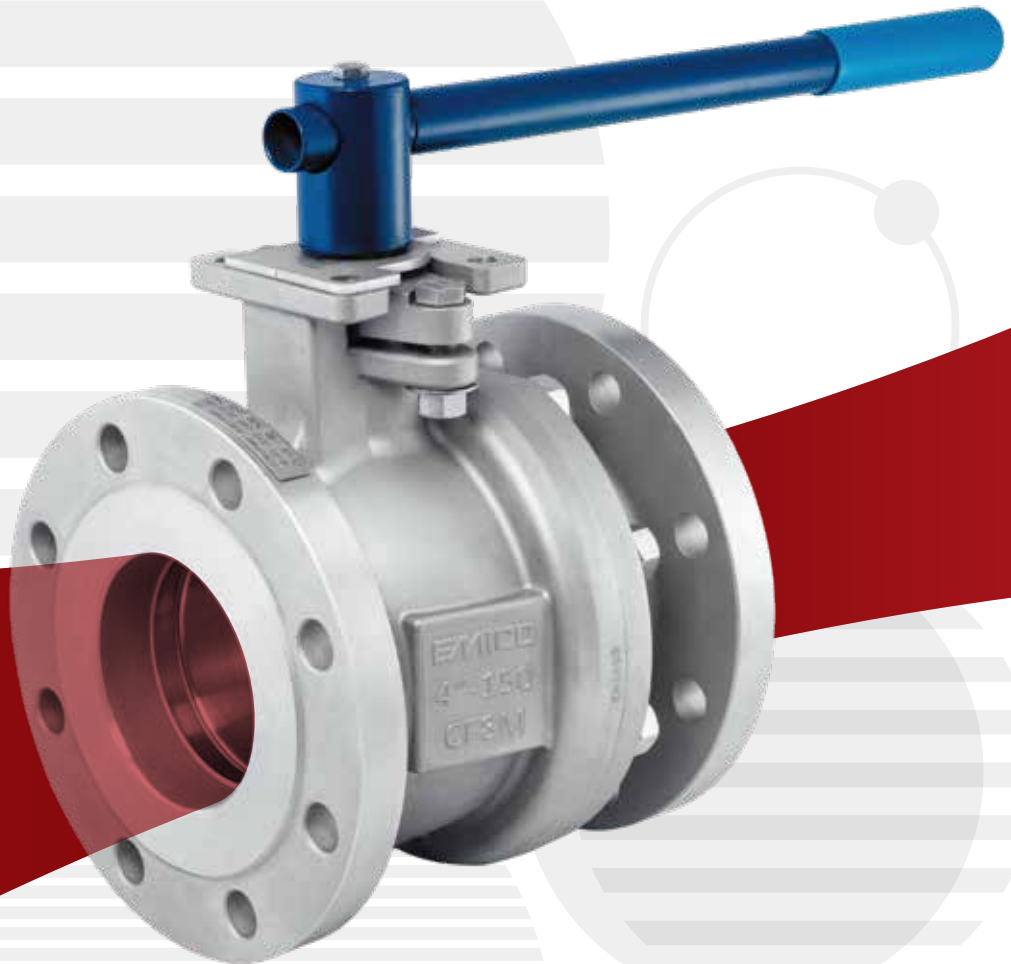


EMICO



Since 1984

VALVES

FOUNDRY · VALVE MANUFACTURER

www.emico.com.tw



公司簡介

COMPANY PROFILE

一原金屬工業股份有限公司(EMICO)，知名的閥類製品製造商及鑄造廠，成立於1984年，廠區位於彰化縣鹿港鎮及中國大陸蕪湖市。國際銷售中心位於台中市，基於一原公司總裁林國村先生和董事長林宜正先生的經營策略，及員工的努力，一原的目標是供應卓越而且品質穩定的產品。

Eayuan Metal Industrial Co., Ltd. (EMICO), well known for its valve production and foundry, was established in 1984 with its Taiwan production facility based in Lukang, Changhua county, and China production facility in Wuhu City, Anhui. The company has an international sales center set up in Taichung to promote EMICO's products. Based on the company strategy of the chairman Mr. K. T. Lin, and the president Mr. Jason Lin, together with the efforts of its personnel, EMICO's goal is to provide outstanding products with consistent and superior quality.

台中總公司 HEAD OFFICE



彰濱工業區廠房 TAIWAN FACTORY



經營理念

BUSINESS PHILOSOPHY



卓越
EXCELLENCE



和諧
HARMONY



創新
INNOVATION



價值核心

CORE VALUE



誠信
INTEGRITY



關懷
SINCERENESS



負責
RESPONSIBILITY

EMICO的產品範圍包括浮動式球閥、固定式球閥、食品衛生閥、金屬閥座球閥、超低溫閥、閘閥、球型閥、逆止閥...等，主要材質為不銹鋼、碳鋼、鑄鐵和球墨鑄鐵，特殊材料如蒙乃爾合金、鉻鎳鐵合金、合金20也可生產手動閥或氣動閥。也可根據客戶的需求做客製化生產。

EMICO's product range includes floating ball valves, trunnion ball valves, metal seated ball valves, cryogenic ball valves, sanitary valves, gate, globe, check and dual plate check valves...etc. The main materials produced are stainless steel, carbon steel, cast iron and ductile iron. Special materials such as Monel, Inconel, Alloy 20, and Hastelloy are also available on offer. EMICO also offers customized products based on their customer's requirements.



歷史沿革

OUR HISTORY

- 1984** — 一原金屬工業股份有限公司成立
Eayuan Metal Industrial Co. Ltd (EMICO) was established in Taiwan.
- 1993** — 與美國閥門大廠合作石油天然氣閥門
Commenced co-operation to manufacture OEM valves for an established USA Oil & Gas valve manufacturer.
- 1994** — 台灣閥門界第一家擁有 ISO 9002 品保系統認證的製造商
We became the first valve manufacturer in Taiwan to be ISO 9002 certified.
- 1996** — 成為台塑供應鏈合格供應商
Received Approval from Formosa Plastics Group as their preferred valve supplier.
- 1997** — 與日本日立金屬技術合作在台灣生產球閥。
在2002年與日立金屬合作設立上海工廠生產閘閥、截止閥以及逆止閥
Technical cooperation with Hitachi Metals Ltd, Japan to produce ball valves in Taiwan.
2002 Set up manufacturing base in Shanghai in collaboration with Hitachi Metals Ltd to produce Gate valve, Globe valve, and Check valve.
- 2000** — 台灣工廠升級到 ISO 9001 品保認證，由德國TUV公司認證
Upgrade of our ISO Certification by TUV to ISO 9001 (from ISO 9002).
- 2002** — 台灣工廠獲得歐盟 PED CE 品保認證，由德國TUV公司認證
Our PED/CE QA System was certified by TUV.
- 2005** — 取得牙口球閥 AGA 認證
First approval by AGA (Australian Gas Association) for supply of small bore ball valves to the Gas Industry.
- 2006** — 取得 UL 認證
Our valves listed & certified by UL.
- 2008** — 澳洲經銷商成立
Established exclusive distribution channel with Razvalve Pacific Pty Ltd for Australia/Oceania region.
- 2009** — 台灣工廠通過美國石油協會 API 6D 品保認證
Received our API-6D QA System approval.
- 2010** — 成為日本三菱重工油壓缸的合格製造商
Established manufacturing division as a qualified Hydraulic Cylinder OEM manufacturer for Mitsubishi Heavy Ind Ltd, Japan.
- 2012** — 台灣工廠擴建，增加精密鑄造廠
We set up an in-house integrated Investment Foundry in Taiwan for CS, SS & Special material castings.
- 2013** — 成立新加坡合資公司
Set up a joint venture in Singapore for ASIAN countries.
- 2014** — EMICO 30週年廠慶
We celebrated our 30th Anniversary in September.
- 2017** — 成為美國美孚石油公司合格供應商
Awarded approval of ExxonMobil.
取得牙口球閥手動/氣動 AGA 認證
Approval by AGA (Australian Gas Association) for supply of Manual & Actuated Shut-off & Vent small bore ball valves to the Australian Gas Industry.
- 2018** — 取得法蘭球閥手動/氣動 AGA 認證
Approval by AGA (Australian Gas Association) for supply of Manual & Actuated Shut-off & Vent Flanged ball valves to the Australian Gas Industry.
上海廠遷移至安徽蕪湖
Relocated our China manufacturing base from Shanghai to a much larger operation in Wuhu City (Anhui Province).
- 2020** — 台灣工廠取得 ISO 14001、ISO 45001
Received our ISO 14001, ISO 45001 approval.



研究開發 ADVANTAGE

應力分析 STRESS ANALYSIS

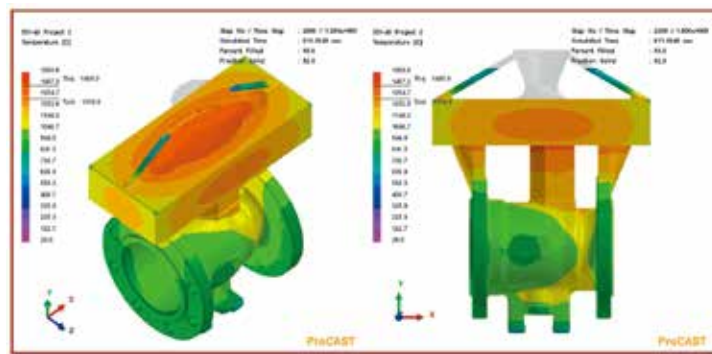
分析和解決機械零件和構件等物體內各點的應力和應力分佈的方法。用以分析閥門可以承受的壓力。

A method of analyzing and solving for stress and stress distribution at various points within objects such as mechanical parts and components. It is used to analyze the pressure the valve can withstand.



模流分析 MOLD FLOW ANALYSIS

透過電腦完成鋼液成型的模擬仿真，模擬鑄件澆鑄與凝固的過程，可以達到優化鑄件品質，提高鑄件良率。

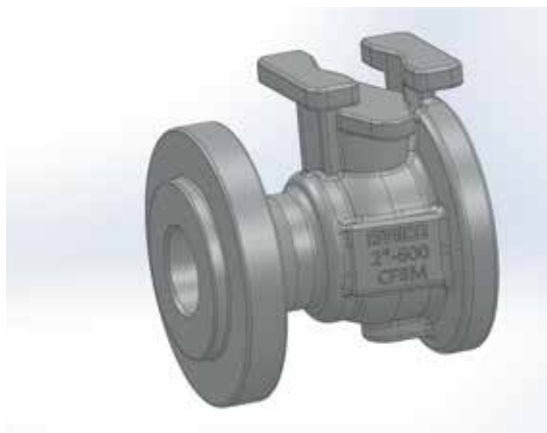


Completing the simulation of molten steel forming by computer, and simulating the process of the flow of molten steel and solidification of castings, can optimize the quality of castings and improve the casting yield.

設計鑄件圖 CASTING DRAWING DESIGN

研發團隊擁有強大的客製化設計能力，提供客製鑄件以及閥門產品。

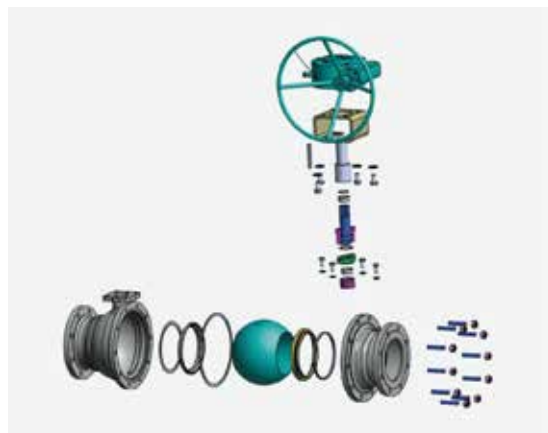
Our R&D team has strong customized design capabilities, providing customized castings and valve products.



3D爆炸圖 3D EXPLODED DRAWING

使用Solidworks來繪製產品，有完整的圖檔，讓客戶確認尺寸規格。

Solidworks is used to design and develop products to have the completed drawing, allowing the customers to confirm the dimension and spec.



專業檢測 PROFESSIONAL INSPECTION AND TESTING

品管實驗室，以構築完善的產品驗證能力，不論成份分析、金相、機械性質及尺寸量測各方面，我們均擁有諸如金屬分光儀等高階量測儀器，擁有德國高階接觸影像量測系統，用以檢測、模擬及驗證產品結構型態。具備模擬驗證能力及豐富強大的設計驗證能力(鑄造：模流分析軟體。閥門：防火試驗設備、-196°C低溫試驗設備等)。一原金屬擁有工廠品質系統認證，供應商認證以及各式產品驗證等。

We have a fully functional quality control laboratory with comprehensive product verification capability. In addition to material composition & analysis, microstructure, mechanical properties and dimensional measurement, we have high-end measuring instruments such as spectrometers, and German produced advanced contact image measurement system, to inspect, simulate and verify product structure. We have simulation verification capabilities, and great design verification capabilities. (Casting: ProCAST software. Valves: fire test equipment, cryogenic test equipment (down to -196 °C)). EMICO has quality-assurance system certification, supplier certification, and various product verification.



尺寸量測
Dimension
Measurement



機械性質
Mechanical
Properties



金相
Metallographic



成份分析
Composition
Analysis



模流分析
Mold Flow
Analysis



耐火試驗
Fire Test



低溫試驗
Cryogenic
Test

研發實驗室 R&D LABORATORY



低溫測試設備
Cryogenic Test

超低溫冷凍櫃
Ultra-low Temperature Freezer

耐火實驗室
Fire Test

鑄造廠設備 FOUNDRY EQUIPMENT



拉力測試機
Tension Test Machine

衝擊測試機
Impact Test Machine

金相顯微鏡
Metallographic Microscope



認證 CERTIFICATION



EMS 562513

OH5 573179



1
射蠟成型
Wax Injection



2
修蠟組樹
Wax Mould Trimming
& Clustering



3
清洗、沾漿、沾沙、乾燥
Shell Mould Making



4
脫蠟
De-waxing



5
殼模燒結
Shell Mould Sintering



6
澆鑄
Pouring



7
熱處理
Heat Treatment



8
噴砂
Sandblasting



9
酸洗
Acid Pickling



10
加工
Machining



11
清洗
Cleaning



12
組裝和壓力測試
Assembling and Testing



13
噴漆
Spray Painting



14
包裝
Packing



15
裝箱出貨
Delivery



生產流程

PRODUCTION PROCEDURE

一原注重閥門品質，致力於持續的產品研發及製造技術的改善，以確保提供優良且穩定的閥門產品。我們有自己的鑄造廠來生產精密鑄件。可以從材料源頭就開始把關。嚴格的製程管理、專業的品質檢控儀器，有效控管生產的品質與過程。

EMICO pays strict attention to valve quality, and is committed to continued product research and development and improvement of manufacturing technology to ensure the supply of valve products with high and stable quality.

We have our own in-house foundry to produce precision castings which allows control from the source of materials. Strict production process management, professional quality inspection and control instruments effectively control the quality and process of production.



產品應用 APPLICATIONS

EMICO的產品廣泛應用在各方面：礦業與礦物加工業、水與汙水處理、食品與飲料工業、化工廠、石油和天然氣工業、電廠、汽車工業、壓縮天然氣、液化天然氣工業、一般流體、蒸氣及高溫流體、超低溫流體、高壓流體...等。

Our company provides different series of products according to customer needs, which can be widely used in General Fluid, High Pressure Fluid, Steam & High Temperature Fluid, Cryogenic Fluid, Oil & Gas Industry, Mining & Mineral Processing Industry, Water & Waste Water, Food & Beverage Industry, Chemical Plant, CNG & LNG Industry, Automotive Industry, Power Plant ...etc.



礦業與礦物加工業
Mining & Mineral Processing Industry



水與汙水處理
Water & Waste Water



食品與飲料工業
Food & Beverage Industry



化工廠
Chemical Plant



石油和天然氣工業
Oil & Gas Industry



電廠
Power Plant



高壓流體
High Pressure Fluid



蒸氣及高溫流體
Steam & High Temperature Fluid



超低溫流體
Cryogenic Fluid



壓縮天然氣、液化天然氣工業
CNG & LNG Industry



汽車工業
Automotive Industry



一般流體
General Fluid



11 球閥 Ball Valve

- 011 法蘭球閥 Flanged End Ball Valve
25A / 25J / 25R / 401 / 402
- 019 高性能法蘭球閥 High Performance Flanged end Ball Valve
251 / 253 / 256
- 027 三片式法蘭球閥 3-PC Flanged End Ball Valve
301-FEA / FED / 302-FEA / 303-FEA
305-FED / 307-FED / 309-FEA
- 039 高平台法蘭球閥
ISO Direct Mounting Pad Flanged End Ball Valve
403 / 405
- 045 金屬密封球閥 Metal Seated Ball Valve
339 / 339延長軸心 Extension Bonnet / 801 / 803 / 816 / 840
- 057 高壓鍛造固定式球閥 High Pressure Forged Trunnion Ball Valve
906 / 909 / 915
- 065 薄餅式法蘭球閥 Wafer Flanged End Ball Valve
501 / 505
- 071 整體式法蘭球閥 Uni-Body Flanged End Ball Valve
503 / 507
- 077 高性能整體式法蘭球閥
High Performance Uni-Body Flanged End Ball Valve
551 / 553
- 083 牙口 / 對焊 / 套焊球閥
Threaded End / Butt Weld / Socket Weld End Ball Valve
一片式 1-PC : 102 / 118
二片式 2-PC : 201 / 202 / 203 / 207
三片式 3-PC : 301 / 302 / 303 / 305
由任端 Union End : 29U
- 099 牙口體端焊接球閥 Tack Welded Body Threaded End Ball Valve
23H / 23M
- 107 牙口 / 對焊 / 套焊高平台球閥
ISO Direct Mounting Pad Threaded BW SW Ball Valve
27T / 307 / 309
- 117 高壓鍛造球閥 High Pressure Forged Ball Valve
310 / P 系列 Series
- 129 超低溫球閥 Cryogenic Ball Valve
39A / 26A / 26J
- 139 衛生球閥 Sanitary Ball Valve
307
- 145 三 / 四通球閥 3 way / 4 way Ball Valve
A3W-FE / A4W-FE / A3W-SE



153 驅動球閥 Actuated Ball Valve

153



155 蝶閥 Butterfly Valve

155 B01 / R7



163 閘閥 Gate Valve

163 G5 / G5-Forge / G6



167 球型閥 Globe Valve

167 O5 / O5-Forge / O6 / O8



173 逆止閥 Check Valve

173 K5 / K5-Forge / K6 / K7-Dual Plate
D7-Single Plate / K8 / K9

183 Y型過濾器 Y-Strainer

183 Y5 / Y6



185 鑄件 Casting

185



187 針閥 Needle Valve

187 N5





球閥

BALL VALVE

SERIES

法蘭球閥

Flanged End Ball Valve

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, General Fluid.

技術資料 TECHNICAL DATA

設計 / 尺寸 Design / Size	ASME B16.34, JIS B2071/2081 1/2" ~ 12"
壓力等級 Pressure Rating	ASME Class 150, 300, JIS 10K
端口 End Connections	法蘭端 Flanged End
產品檢測 Testing	API 598
流量 Bore	減流量 Reduced Bore: 25R 全流量 Full Bore: 25A, 25J, 401, 402
認證 Certificate	API 607: 25A, 25J ISO 15848-1: 25A, 25J AGA AS 4617, AS 4629: 25A, 25J UL: 25A, 25J ATEX: 25A SIL: 25A, 25J PED 2014/68/EU 認證適用於 CE 市場的產品 PED 2014/68/EU approval for CE market product

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 易燃和非易燃應用的逸散性洩漏控制。
可應要求提供。(25A, 25J)
- 閥門逸散性排放能力通過 ISO 15848-1 第三方認證。
可應要求提供。(25A, 25J)
- 可使用於執行器的 ISO 平台架。
- RPTFE密封消除了對產品污染的擔憂。
- 防火認證 API 607。可應要求提供。(25, 25J)
- 較低的操作扭力，便於操作並降低執行器成本。
- 明確的開關位置指示。
- 防爆軸心。
- NACE MR0175 可應要求提供。
- 可使用附鎖裝置。
- 防靜電裝置。
- 根據 ISO 9001 認證的質量體系製造。
- 標準 CE 標示符合 PED 2014/68/EU，可應要求提供。
- 多種球座材質可供選擇。
除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE

* 請參考溫壓圖

- Superior valve design at a competitive price.
- Fugitive emissions control for flammable and non-flammable applications. Available on request. (25A, 25J)
- Valve fugitive emissions capability third-party certified to ISO 15848-1. Available on request. (25A, 25J)
- Machined ISO actuator mounting pad.
- RPTFE seal relieves concern over product contamination.
- Fire test certified to API 607. Available on request. (25, 25J)
- Lower operating torque for ease of operation and reduced actuator cost.
- Positive position indication.
- Blowout-proof shaft.
- NACE MR0175 available on request.
- Locking device is available.
- Anti-Static Device.
- Manufactured under ISO 9001 certified quality system.
- CE marking PED 2014/68/EU as standard. Available on request.
- Various seat materials are available.
In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE

* Please refer to the Pressure-Temperature rating.

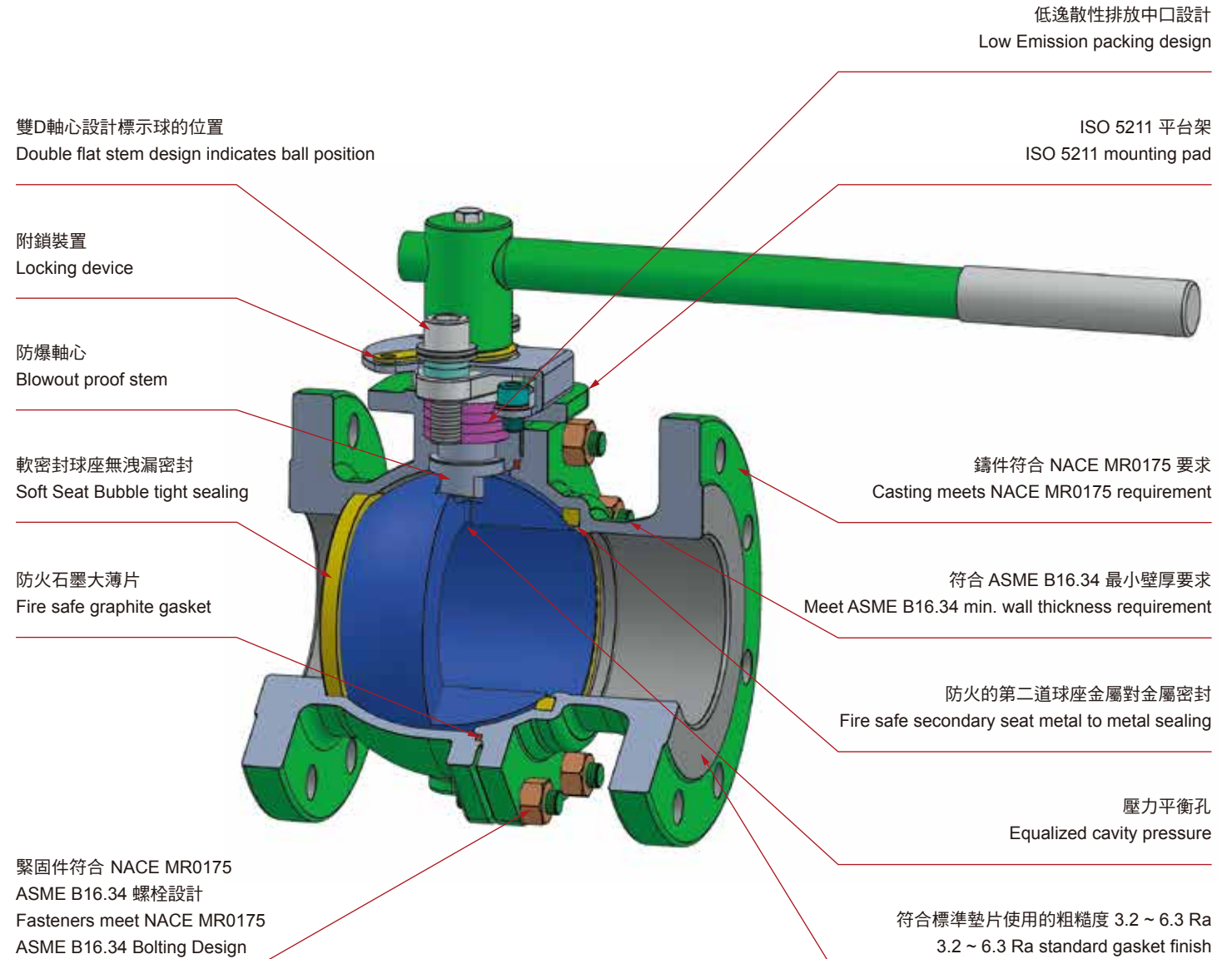
MODEL

25A / 25J / 25R / 401 / 402

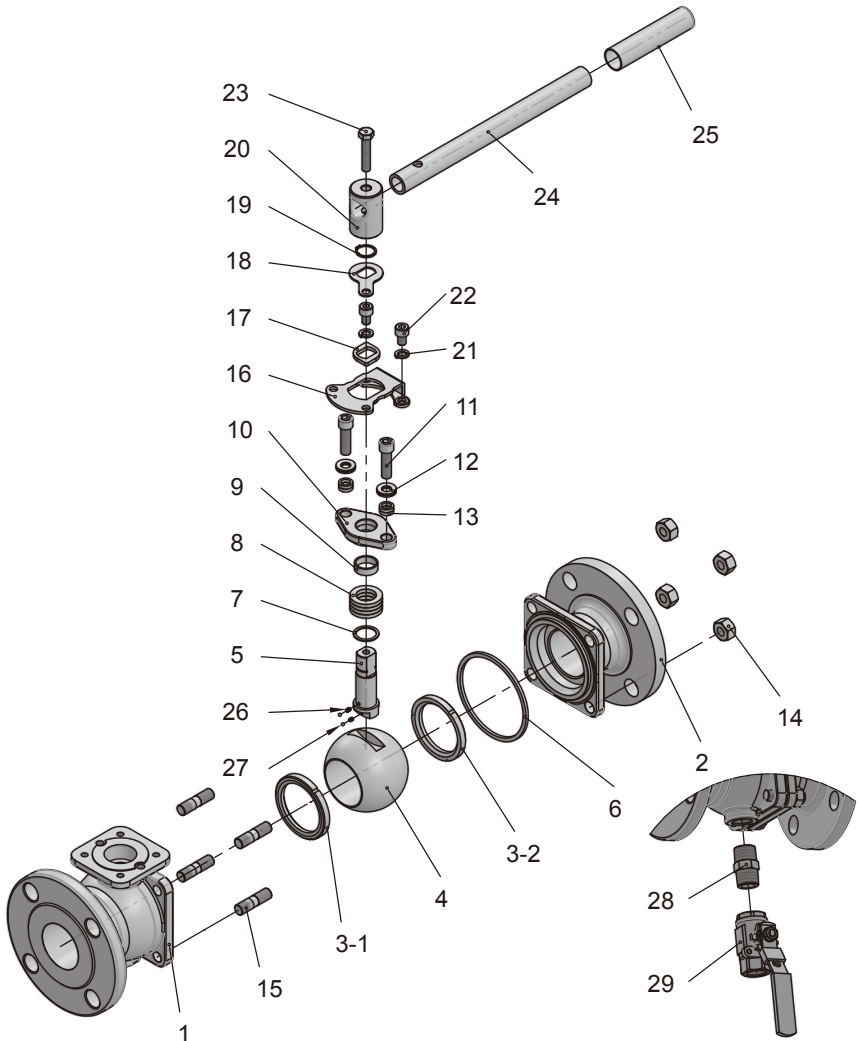
產品介紹

Product Introduction

25A剖面圖



物料表 MATERIAL COMPOSITION



25A丁二烯應用
Bottom View

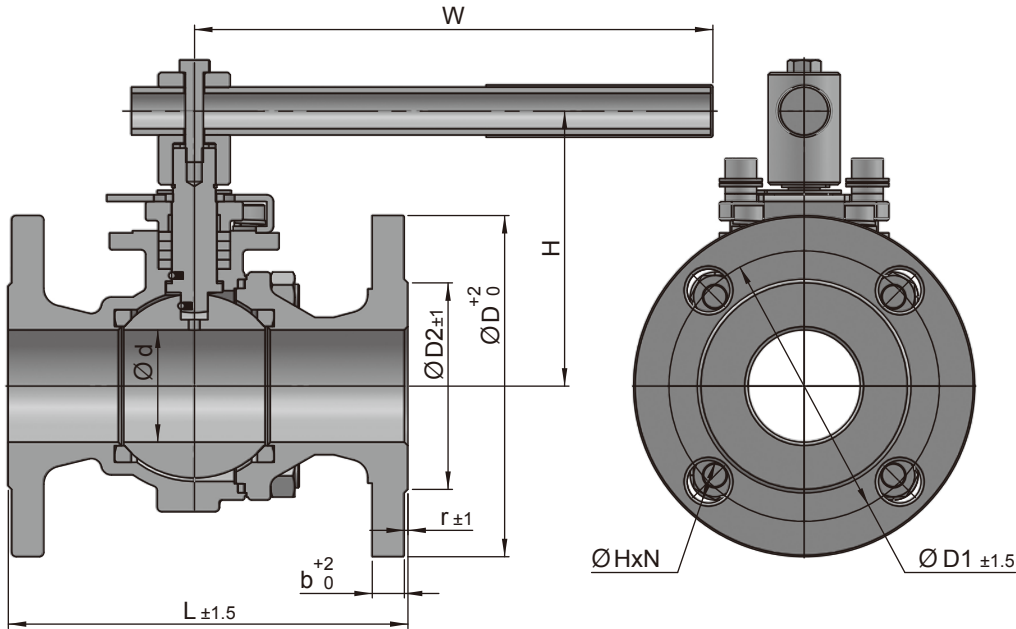
ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Cap	A351-CF8M	A216-WCB
3	Seat	PTFE+15% G.F.	PTFE+15% G.F.
4	Ball	A351-CF8M	A351-CF8M
5	Stem	SS 316	SS 316
6	Body Seal	316L+GRAPHITE	316L+GRAPHITE
7	Gasket	PTFE	PTFE
8	Packing	GRAPHITE	GRAPHITE
9	Stem Bearing	PTFE	PTFE
10	Gland Flange	A351-CF8	A351-CF8
11	Gland Bolt	SS 304	SS 304
12	Disc Spring	SS 301	SS 301
13	Spacer	SS 304	SS 304
14	Nut	A194-8M	A194-2HM
15	Stud	A193-B8M	A193-B7M

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
16	Bracket	SS 304	SS 304
17	Stopper	17-4PH	17-4PH
18	Locking Plate	SS 304	SS 304
19	Snap Ring	SS 420	SS 420
20	Spring Washer	SS 304	SS 304
21	Spring Washer	SS 304	SS 304
22	Screw	SS 304	SS 304
23	Hex Bolt	Steel+Zn Plated	Steel+Zn Plated
24	Pipe	CS+Zn Plated	CS+Zn Plated
25	Pipe Cover	VINYL	VINYL
26	Spring	SS 316	SS 316
27	Static Device	SS 316	SS 316
28	Piping Fittings	SS 316	SS 316
29	Ball Valve	SS 316	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

尺寸圖 DIMENSION LIST



25A (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	35	60.5	89	9.5	1.6	108	16x4	135	80	F05
3/4"	20	43	70	99	9.5	1.6	117	16x4	135	82	F05
1"	25	51	79.5	108	9.7	1.6	127	16x4	160	84.7	F07
1-1/2"	38	73	98.5	127	12.7	1.6	165	16x4	230	108	F07
2"	50	92	120.5	152	14.2	1.6	178	19x4	230	130	F07
2-1/2"	65	105	139.5	178	15.7	1.6	190	19x4	230	128	F07
3"	80	127	152.5	190	17.5	1.6	203	19x4	350	147	F10
4"	100	157	190.5	229	22.4	1.6	229	19x8	400	178	F10
5"	127	186	215.9	254	22.5	1.6	356	22x8	400	216	F10
6"	152	216	241.5	279	23.9	1.6	394	22x8	800	274	F12
8"	203	270	298.5	343	26.9	1.6	457	22x8	1100	341	F14

25J (Class 300)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	35	66.7	95	12.7	1.6	140	16x4	135	81	F05
3/4"	20	43	82.6	117	14.2	1.6	152	19x4	135	84.5	F05
1"	25	51	88.9	124	15.7	1.6	165	19x4	160	85.5	F05
1-1/2"	38	73	114.3	155	19	1.6	190	22x4	230	109.3	F07
2"	50	92	127	165	20.6	1.6	216	19x8	230	138	F07
2-1/2"	65	105	149.2	190	23.9	1.6	241	22x8	230	155.4	F07
3"	80	127	168.3	210	26.9	1.6	282	22x8	350	155	F10
4"	100	157	200	254	30.2	1.6	305	22x8	400	199	F10
5"	127	186	235	279	33.3	1.6	381	22x8	400	217.4	F10
6"	152	216	269.9	318	35.1	1.6	403	22x12	800	271.7	F14
8"	203	270	330.2	381	39.6	1.6	502	25x12	1100	384.3	F16

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SERIES 法蘭球閥
Flanged End Ball Valve

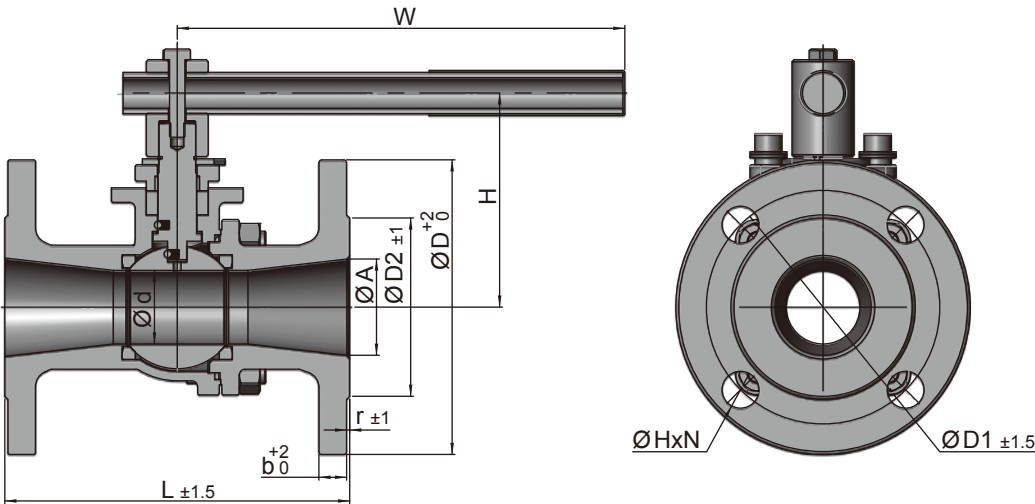
尺寸圖 DIMENSION LIST

401 (JIS 10K)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	51	70	95	11	1	110	15x4	135	83.7	F04
3/4"	20	56	75	100	13	1	120	15x4	135	83.7	F04
1"	25	67	90	125	13	1	130	19x4	160	94.7	F05
1-1/4"	32	76	100	135	14	2	140	19x4	160	98.7	F05
1-1/2"	38	81	105	140	14	2	165	19x4	230	121.3	F07
2"	50	96	120	155	14	2	180	19x4	230	128.7	F07
2-1/2"	65	116	140	175	16	2	190	19x4	230	140.5	F07
3"	80	126	150	185	16	2	200	19x8	350	154	F10
4"	100	151	175	210	16	2	230	19x8	350	170	F10
5"	125	182	210	250	18	2	300	23x8	400	207	F10
6"	150	212	240	280	20	2	340	23x8	850	272	F12
8"	200	262	290	330	20	2	450	23x12	1200	340.5	F14

402 (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	35	60.5	89	9.5	1.6	108	16x4	135	83.7	F04
3/4"	20	43	70	98	9.5	1.6	117	16x4	135	83.7	F04
1"	25	51	79.5	108	9.7	1.6	127	16x4	160	94.7	F05
1-1/4"	32	64	89	117	11.2	1.6	140	16x4	160	98.7	F05
1-1/2"	38	73	98.5	127	12.7	1.6	165	16x4	230	121.3	F07
2"	50	92	120.5	152	14.2	1.6	178	19x4	230	128.7	F07
2-1/2"	65	105	139.5	178	15.7	1.6	190	19x4	230	140.5	F07
3"	80	127	152.5	190	17.5	1.6	203	19x4	350	154	F10
4"	100	157	190.5	229	22.4	1.6	229	19x8	400	170	F10
5"	125	186	215.9	254	22.5	1.6	356	22x8	400	207	F10
6"	150	216	241.5	279	23.9	1.6	394	22x8	800	272	F12
8"	200	270	298.5	343	26.9	1.6	457	22x8	1100	340.5	F14



25R (Class 150 Reduced Bore)

SIZE	d	A	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1"	20	25	51	79.5	108	9.7	1.6	127	16x4	135	77.1	F05
1-1/2"	31.8	38	73.2	98.5	127	12.7	1.6	165	16x4	160	90.7	F05
2"	38	50	92	120.5	152	14.3	1.6	178	19x4	230	110.5	F07
3"	65	80	127	152.4	190	17.5	1.6	203	19x4	350	155.7	F10
4"	80	100	157	190.5	229	22.3	1.6	229	19x8	350	177.8	F10
6"	127	152	216	241.5	279	23.9	1.6	267	22x8	400	222.6	F10
8"	152	203	270	298.5	343	27	1.6	292	22x8	800	268.5	F12
10"	203	250	323.8	362	406	28.6	1.6	330	25x12	1200	340.5	F14

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

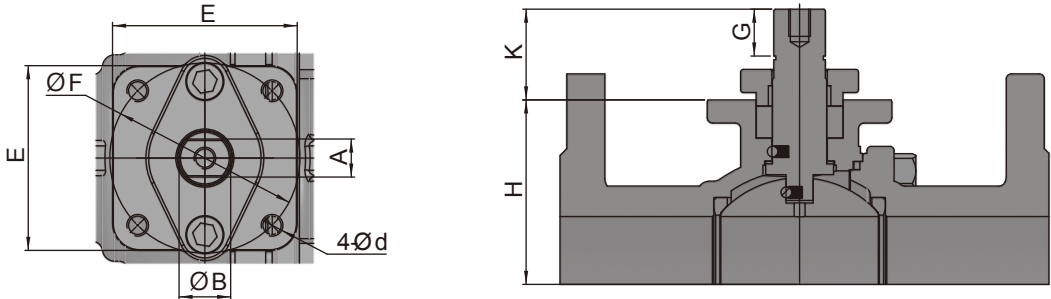
We reserve the right to modify the design / specification without previous notice for better quality.

MODEL 25A / 25J / 25R / 401 / 402

產品介紹

Product Introduction

平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



25A (Class 150)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12	M6	50.7	50	4.8	22.2	43.1	F05
3/4"	8	12	M6	50.7	50	7.6	22.2	43.1	F05
1"	10	15	M6	68	50	13.2	30	50.6	F07
1-1/2"	14	19	M8	75.5	70	17.2	36.8	60.9	F07
2"	14	19	M8	75.5	70	17.2	36.8	60.2	F07
2-1/2"	14	19	M8	68	70	17.3	36.8	80	F07
3"	16	24	M10	95.3	102	24.5	49.5	96.2	F10
4"	20	30	M10	110	102	24.5	51.4	120	F10
5"	20	30	M10	96	102	24.5	51.4	150	F10
6"	26	38	M12	115	125	32.6	64.3	184	F12
8"	32	48	M16	137.5	140	42.0	77.5	237.5	F14

25J (Class 300)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12	M6	50	50	8.4	23.2	43.1	F05
3/4"	8	12	M6	50	50	8.4	23.2	43.1	F05
1"	10	15	M6	50	50	13.2	30	50.6	F05
1-1/2"	14	19	M8	68	70	16.8	36.3	60.9	F07
2"	14	19	M8	68	70	17.2	36.7	74.2	F07
2-1/2"	16	24	M10	96	102	24.5	48.5	85.7	F10
3"	16	24	M10	96	102	24.5	47	103.2	F10
4"	20	30	M10	92	102	24.5	48.9	127	F10
6"	32	48	M16	137.5	125	42	74.4	203.2	F12
8"	40	58	M20	165	140	44.9	88.5	260.5	F14

25R (Class 150 Reduced Bore)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1"	8	12	M6	48	50	7.6	22.2	39	F05
1-1/2"	10	15	M6	48	50	16.2	30	50.6	F05
2"	14	19	M8	68	70	16.8	36.8	61.6	F07
3"	16	24	M10	96	102	24.5	49.5	85	F10
4"	16	24	M10	96	102	24.5	49.5	107.1	F10
6"	20	30	M10	96	102	24.5	51.4	150	F10
8"	26	38	M12	115	125	32.5	66.5	184	F12
10"	32	48	M16	137.5	140	37.1	77.5	237.5	F14

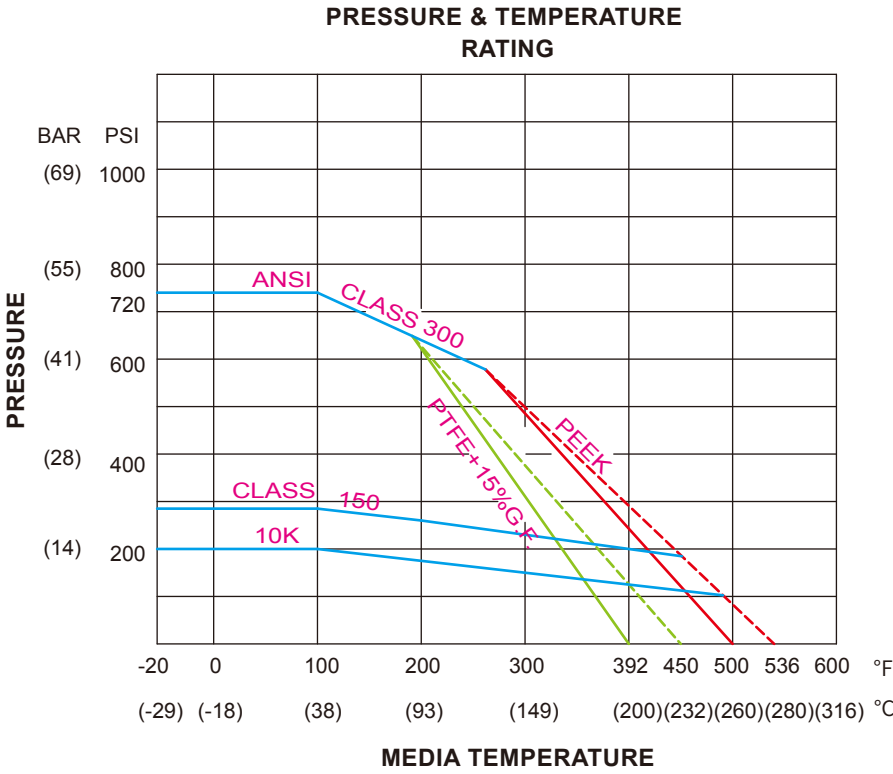
401 (JIS 10K) / 402 (Class 150)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12	M5	42	42	7.6	19.4	38.5	F04
3/4"	8	12	M5	42	42	7.6	19.4	38.5	F04
1"	10	15	M6	48	50	13.2	27.1	45	F05
1-1/4"	10	15	M6	48	50	13.2	27.9	48.5	F05
1-1/2"	14	19	M8	68	70	17.3	33.4	60.5	F07
2"	14	19	M8	68	70	17.3	33.4	67.9	F07
2-1/2"	14	19	M8	68	70	17.3	33.3	80	F07
3"	16	24	M10	96	102	24.3	44.6	101	F10
4"	16	24	M10	96	102	24.3	44.6	117	F10
5"	20	30	M10	92	102	24.3	47.2	148	F10
6"	26	38	M12	115	125	32.6	63	182	F12
8"	32	48	M16	137.5	140	42	76.5	233.5	F14

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溫度壓力曲線圖 P/T CHART



- Remark:
- 1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
 - 2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
 - 3. Final selection of seat material is the user's choice, experience & responsibility.
 - 4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature



球閥

BALL VALVE

SERIES

高性能法蘭球閥

High Performance Flanged end Ball Valve

MODEL

251 / 253 / 256

產品介紹

Product Introduction

應用 APPLICATIONS

紙漿和造紙、石油和天然氣、蒸氣、有毒的、防火和易燃物。
Pulp and Paper, Oil and Gas, Steam, Toxic, Fire-safe and Flammables.

選項 OPTION

- 特殊噴漆
- 特殊測試，可應要求提供
 - 放射線檢測
 - 染色探傷
 - 材料可靠性鑑別
- Special painting
- Special tests on request
 - X-ray (RT)
 - Liquid penetrant (PT)
 - Positive Material Identification (PMI)

技術資料 TECHNICAL DATA

型號 / 尺寸	Full bore 251, 253, 256
Model / Size	1/2" ~ 8" (150/300#) 1/2" ~ 4" (600#)

壓力等級	ASME Class 150, 300, 600
Pressure Rating	

溫度範圍	-29°C ~ 230°C
Temperature	

洩漏等級	Zero leakage to API 598
Seat Leakage	

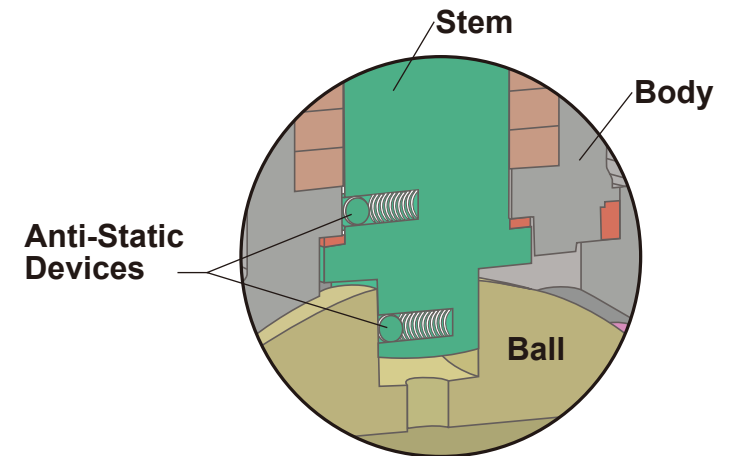
認證	API 607
Certificate	ISO 15848-1
	API 641

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
 - 易燃和非易燃應用的逸散性排放控制。
 - 閥門逸散性排放能力通過 ISO 15848-1 第三方認證。
 - 可使用於執行器的 ISO 平台架。
 - RPTFE密封消除了對產品污染的擔憂。
 - 防火認證 API 607 6th 以及 ISO 10497。
 - 較低的操作扭力，便於操作並降低執行器成本。
 - 明確的開關位置指示。
 - 防爆軸心。
 - NACE MR0175 可應要求提供。
 - 可使用附鎖裝置。
 - 防靜電裝置。
 - 根據 ISO 9001 認證的質量體系製造。
 - 具備 O-ring 密封。
 - 標準 CE 標示符合 PED 2014/68/EU，可應要求提供。
 - 多種球座材質可供選擇。
- 除了標準的球座，球座有以下材質可供選擇。
- 每個球座選項將滿足廣泛的性能，適用於許多應用：
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * 請參考溫壓圖

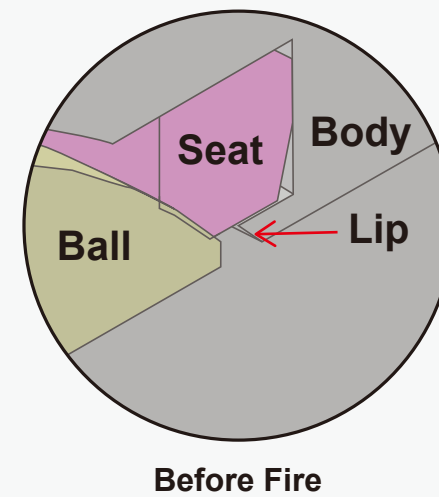
- Superior valve design at a competitive price.
 - Fugitive emissions control for flammable and non-flammable applications.
 - Valve fugitive emissions capability third-party certified to ISO 15848-1.
 - Machined ISO actuator mounting pad.
 - RPTFE seal relieves concern over product contamination.
 - Fire test certified to API 607 6th edition and ISO 10497.
 - Lower operating torque for ease of operation and reduced actuator cost.
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 available on request.
 - Locking device is available.
 - Anti-Static Device.
 - Manufactured under ISO 9001 certified quality system.
 - Primary O-ring Seal.
 - CE marking PED 2014/68/EU as standard. Available on request.
 - Various seat materials are available.
- In addition to standard seat material, following variety is available.
- Each material option will meet a wide range of performance, suitable for many applications.
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * Please refer to the Pressure-Temperature rating.

- 抗靜電裝置
使球跟軸心與閥體連結，防止靜電累積。
- 防爆軸心
內穿式軸心可防止在壓力下爆裂，也可用作軸心密封的後襯座。
- 附鎖裝置*
將閥門鎖定在開跟關的位置以防止閥門意外操作。
- 雙D軸心設計
確保把手只能被安裝在與流動方向一致的正向開啟、關閉指示。
- 可裝氣缸的 ISO 5211 平台架
整體式平台架適用於氣缸跟電動頭。

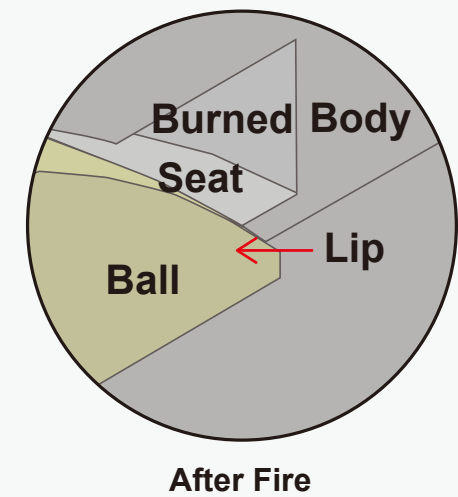


- **Anti-Static Plunger**
Positive connection of ball and stem to valve body, preventing static electricity build-up.
- **Blowout-Proof Stem**
Internally fitted back-seated stem prevents blowouts under pressure and also functions as the backseat for stem sealing.
- **Locking Device***
Locks valve in open and closed positions to prevent accidental valve operation.
- **Double D Stem Design**
Ensures lever can only be fitted in line with flow direction for positive open/closed indication.
- **ISO 5211 Actuator Mount ISO 5211**
Integral actuator mounting pad is standard for all modern pneumatic and electric actuators.

球座防火說明 FIRE SAFE STATEMENT FOR SEAT

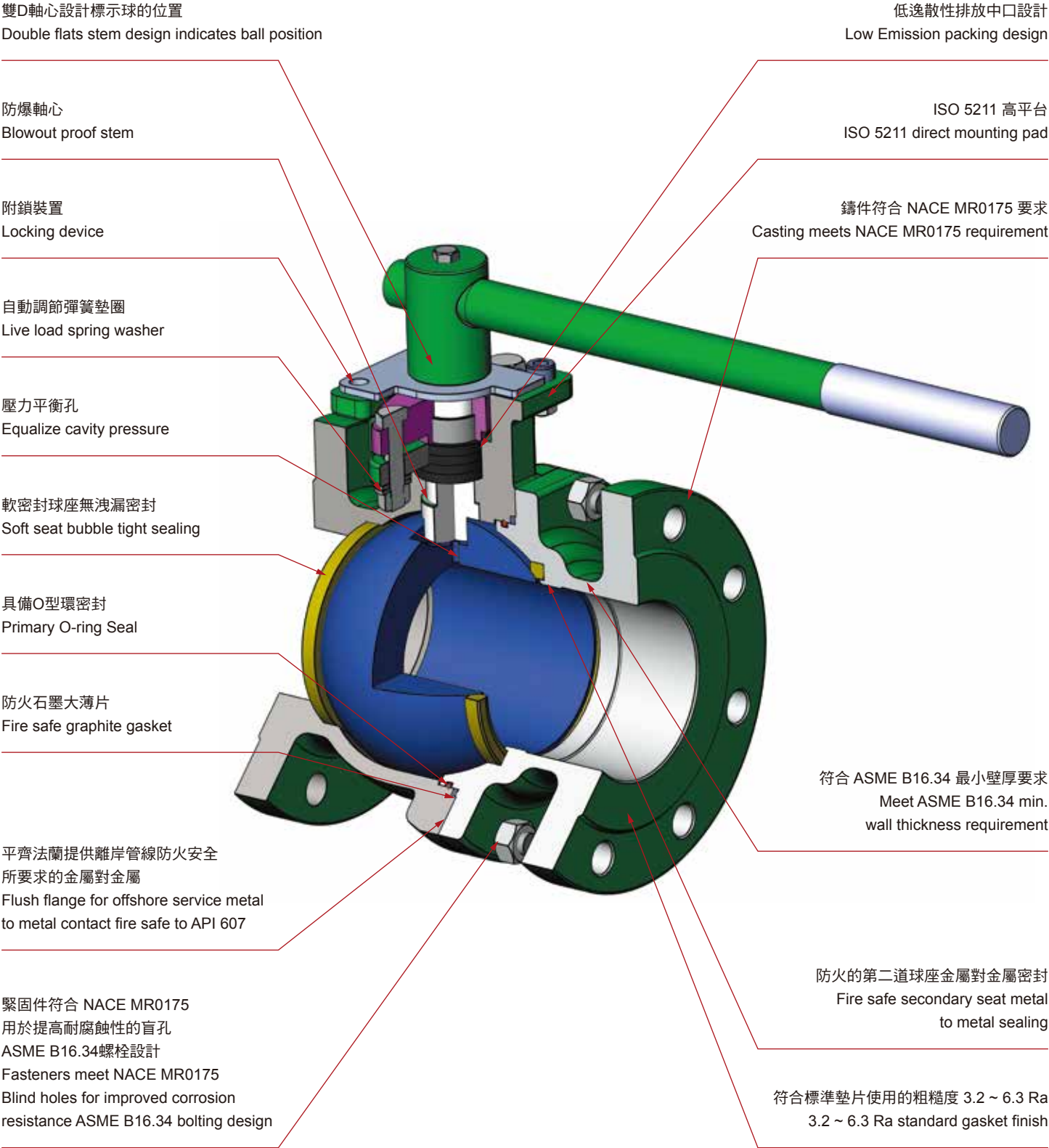


Before Fire

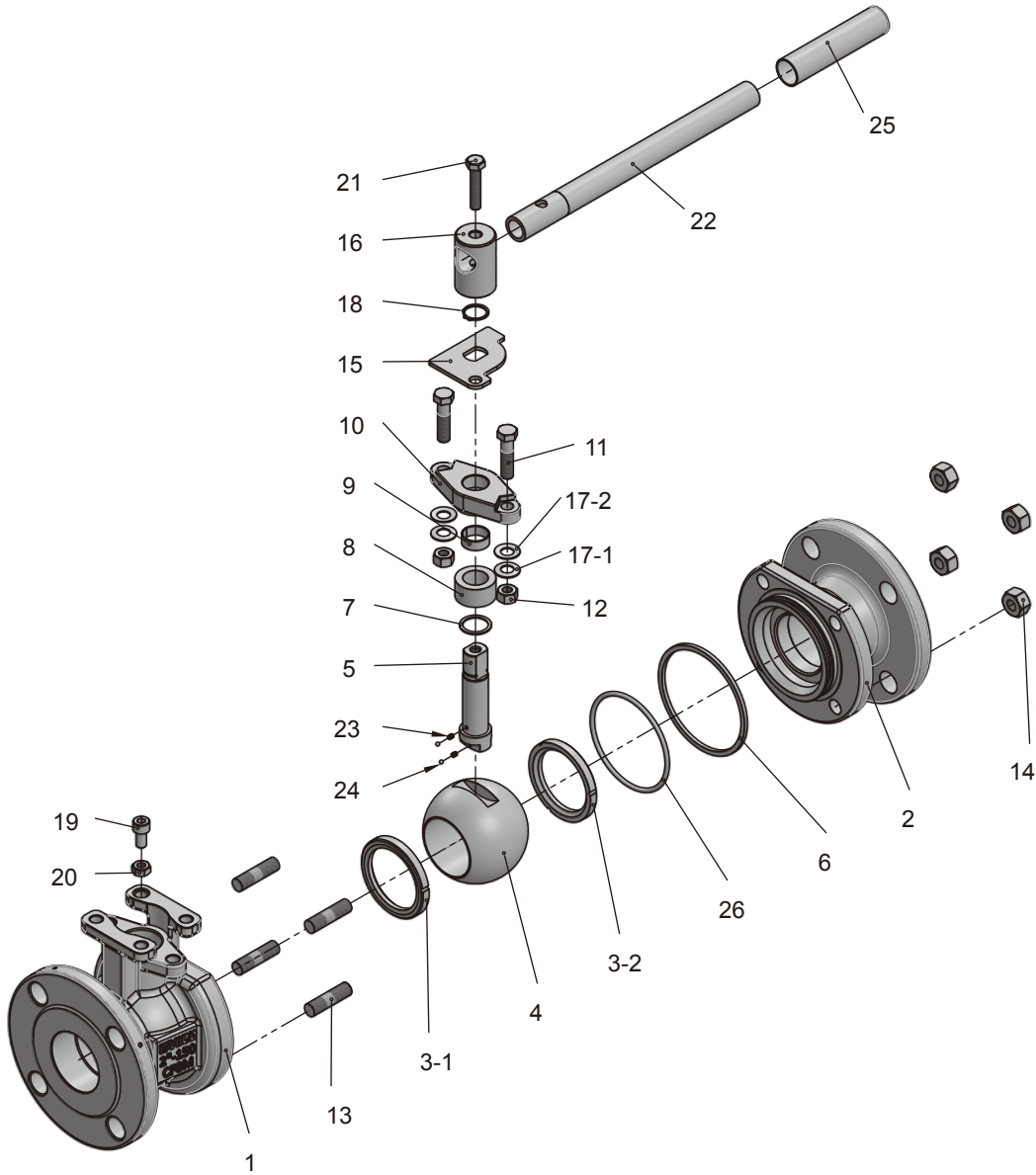


After Fire

251剖面圖



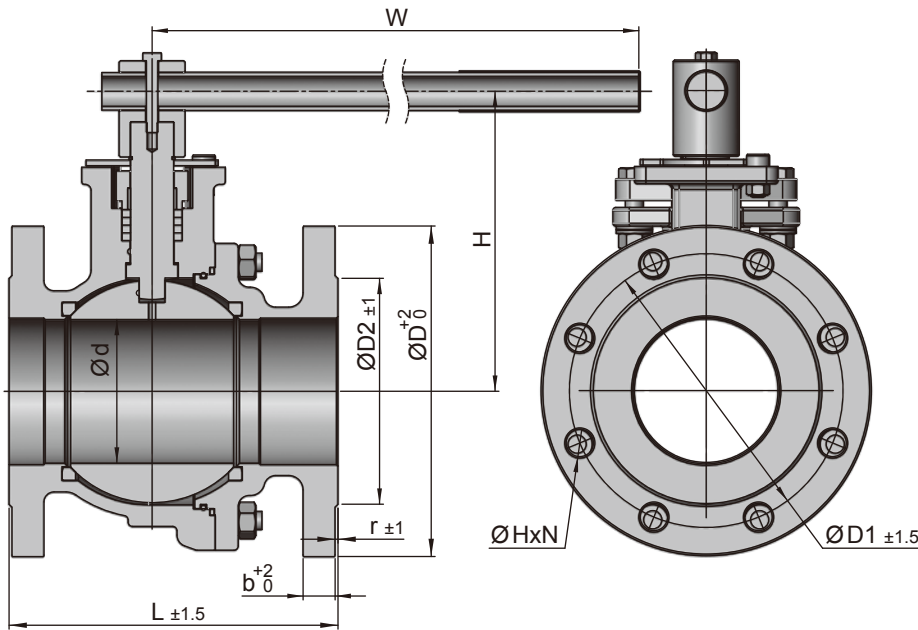
物料表 MATERIAL COMPOSITION



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL	ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	CF8M	WCB	14	Nut	A194-8M	A194-2HM
2	End Cap	CF8M	WCB	15	Stop Plate	SUS 304	SUS 304
3	Seat	PTFE+15% GF	PTFE+15% GF	16	T-Block	WCB	WCB
4	Ball	CF8M	CF8M	17	Disc Spring	SS 304	SS 304
5	Stem	SUS 316	SUS 316	18	Snap Ring	SUS 420	SUS 420
6	Body Seal	316L+GRAPHITE	316L+GRAPHITE	19	Stop Screw	SS 302	SS 302
7	Gasket	PTFE	PTFE	20	Stop Nut	SS 304	SS 304
8	Packing	GRAPHITE	GRAPHITE	21	Hex Bolt	SUS 304	SUS 304
9	Stem Bearing	PTFE	PTFE	22	Pipe	CS+Zn Plated	CS+Zn Plated
10	Gland Flange	SUS 304	SUS 304	23	Spring	SUS 316	SUS 316
11	Hex Bolt	A193-B8	A193-B8	24	Static Device	SUS 316	SUS 316
12	Gland Nut	SUS 304	SUS 304	25	Pipe Cover	VINYL	VINYL
13	Stud	A193-B8M	A193-B7M	26	O-ring	VITON	VITON

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尺寸圖 DIMENSION LIST



251 (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	34.9	60.3	90	8.5	2	108	16x4	136.5	91.6	F05
3/4"	20	42.9	69.9	100	8.9	2	117	16x4	136.5	91.6	F05
1"	25	50.8	79.4	110	9.6	2	127	16x4	186.5	107.9	F05
1-1/2"	38	73	98.4	125	12.7	2	165	16x4	230	119.8	F07
2"	50	92.1	120.7	150	14.3	2	178	19x4	230	138.5	F07
2-1/2"	65	104.8	139.7	180	15.9	2	190	19x4	350	170.4	F10
3"	80	127	152.4	190	17.5	2	203	19x4	350	190.3	F10
4"	100	157.2	190.5	230	22.3	2	229	19x8	400	208.8	F10
5"	127	185.7	216	255	22.3	2	356	22x8	400	233.5	F10
6"	152	215.9	241.3	280	23.9	2	394	22x8	800	279.8	F12
8"	203	269.9	298.5	345	27	2	457	22x8	1200	361.1	F14

253 (Class 300)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	34.9	66.7	95	12.7	2	140	16x4	136.5	91.6	F05
3/4"	20	42.9	82.6	115	14.3	2	152	19x4	136.5	91.6	F05
1"	25	50.8	88.9	125	15.9	2	165	19x4	186.5	107.9	F05
1-1/2"	38	73	114.3	155	19.1	2	190	22x4	230	119.8	F07
2"	50	92.1	127	165	20.7	2	216	19x8	230	138.5	F07
2-1/2"	65	104.8	149.2	190	23.9	2	241	22x8	350	170.4	F10
3"	80	127	168.3	210	27	2	282	22x8	350	190.3	F10
4"	100	157.2	200	255	30.2	2	305	22x8	400	208.8	F10
5"	127	185.7	235	280	33.4	2	381	22x8	400	233.5	F10
6"	152	215.9	269.9	320	35	2	403	22x12	1200	323.1	F14
8"	203	269.9	330.2	380	39.7	2	502	25x12	1450	389.6	F16

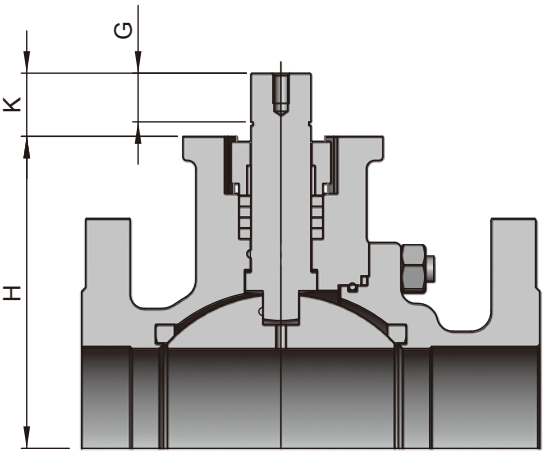
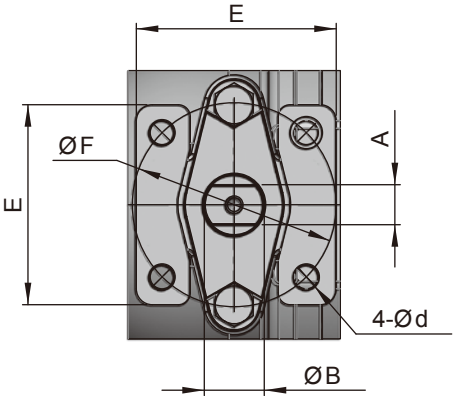
256 (Class 600)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	34.9	66.7	95	14.3	7	165	16x4	136.5	91.6	F05
3/4"	20	42.9	82.6	115	15.9	7	190	19x4	136.5	91.6	F05
1"	25	50.8	88.9	125	17.5	7	216	19x4	186.5	107.9	F05
1-1/2"	38	73	114.3	155	22.3	7	241	22x4	230	119.8	F07
2"	50	92.1	127	165	25.4	7	292	19x8	350	157.4	F07/F10
3"	80	127	168.3	210	31.8	7	356	22x8	400	198.5	F10
4"	100	157.2	215.9	275	38.1	7	432	25x8	800	254.8	F12

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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



251 (Class 150)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12.7	7	50	50	10	11	57.1	F05
3/4"	8	12.7	7	50	50	10	11	57.1	F05
1"	9	16	7	50	50	10	10.8	68.6	F05
1-1/2"	12	18	10	70	70	16.5	22.4	81.1	F07
2"	14	19	10	70	70	18.4	24.2	100	F07
2-1/2"	16	24	12	95.5	102	24.9	31.7	117.5	F10
3"	20	30	12	95.5	102	24.4	31.6	137.5	F10
4"	20	30	12	100	102	24.4	31.6	156	F10
5"	20	30	12	100	102	25.1	32.3	180	F10
6"	26	38	14	115	125	28.6	36.5	218	F12
8"	32	48	18	137.5	140	40	50.5	283	F14

253 (Class 300)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12.7	7	50	50	10	11	57.1	F05
3/4"	8	12.7	7	50	50	10	11	57.1	F05
1"	9	16	7	50	50	10	10.8	68.6	F05
1-1/2"	12	18	10	70	70	16.5	22.4	81.1	F07
2"	14	19	10	70	70	18.4	24.2	100	F07
2-1/2"	16	24	12	95.5	102	24.9	31.7	117.5	F10
3"	20	30	12	95.5	102	24.4	31.6	137.5	F10
4"	20	30	12	100	102	24.4	31.6	156	F10
5"	20	30	12	100	102	25.1	32.3	180	F10
6"	32	48	18	137.5	140	40	50.5	245	F14
8"	40	58	22	165	165	50.9	61.4	301	F16

256 (Class 600)

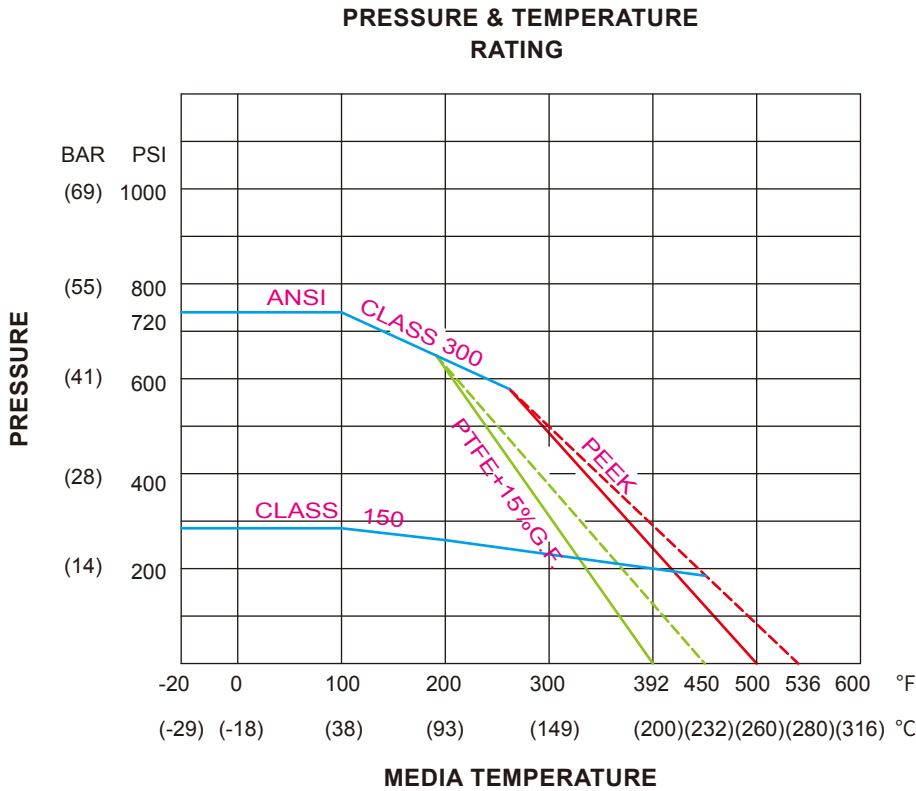
SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12.7	7	50	50	10	11	57.1	F05
3/4"	8	12.7	7	50	50	10	11	57.1	F05
1"	9	16	7	50	50	10	10.8	68.6	F05
1-1/2"	12	18	10	70	70	16.5	22.4	81.1	F07
2"	16	24	10/12	98	70/102	19.9	26.7	106	F07/F10
3"	20	30	12	102	102	25	32.3	145	F10
4"	26	38	14	115	125	28.2	36.1	193	F12

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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溫度壓力曲線圖 P/T CHART

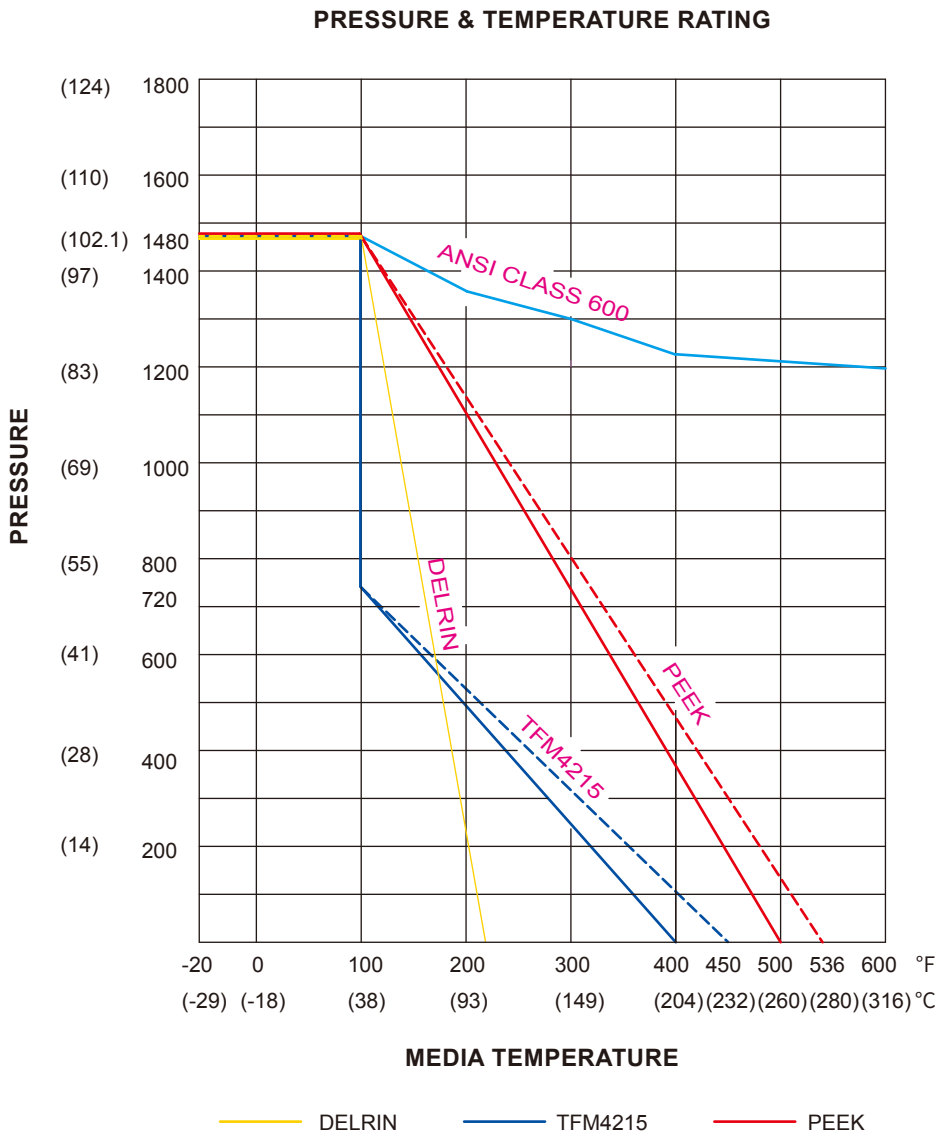
型號 Fig. No. : 251, 253



- Remark:
- It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
 - For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
 - Final selection of seat material is the user's choice, experience & responsibility.
 - Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 256



- Remark:
- It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
 - For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
 - Final selection of seat material is the user's choice, experience & responsibility.
 - Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature



SERIES

三片式法蘭球閥
3-PC Flanged End Ball Valve

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, General Fluid.

技術資料 TECHNICAL DATA

設計 / 尺寸 Design / Size	ASME B16.34, EN12516-1/-3 1/2" ~ 4"
壓力等級 Pressure Rating	ASME Class 150, 600, DIN PN40, PN16
端口 End Connections	法蘭端 Flanged End
產品檢測 Testing	API 598, EN12266-1
流量 Bore	全流量 Full Bore
認證 Certificate	API 607: 305-FED, 307-FED, 309-FEA

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 可使用於執行器的 ISO 平台架。
- RPTFE密封消除了對產品污染的擔憂。
- 防火認證 API 607。可應要求提供。
- 較低的操作扭力，便於操作並降低執行器成本。
- 明確的開關位置指示。
- 防爆軸心。
- NACE MR0175 可應要求提供。
- 可使用附鎖裝置。
- 防靜電裝置。
- 根據 ISO 9001 認證的質量體系製造。
- 標準 CE 標示符合 PED 2014/68/EU，可應要求提供。
- 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。
- 每個球座選項將滿足廣泛的性能，適用於許多應用：
 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * 請參考溫壓圖

- Superior valve design at a competitive price.
- Machined ISO actuator mounting pad.
- RPTFE seal relieves concern over product contamination.
- Fire test certified to API 607. Available on request.
- Lower operating torque for ease of operation and reduced actuator cost.
- Positive position indication.
- Blowout-proof shaft.
- NACE MR0175 available on request.
- Locking device is available.
- Anti Static Device.
- Manufactured under ISO 9001 certified quality system.
- CE marking according to PED 2014/68/EU standard. Available on request.
- Various seat material are available.
- In addition to standard seat material, following variety is available.
- Each material option will meet a wide range of performance, suitable for many applications.
 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * Please refer to the Pressure-Temperature rating

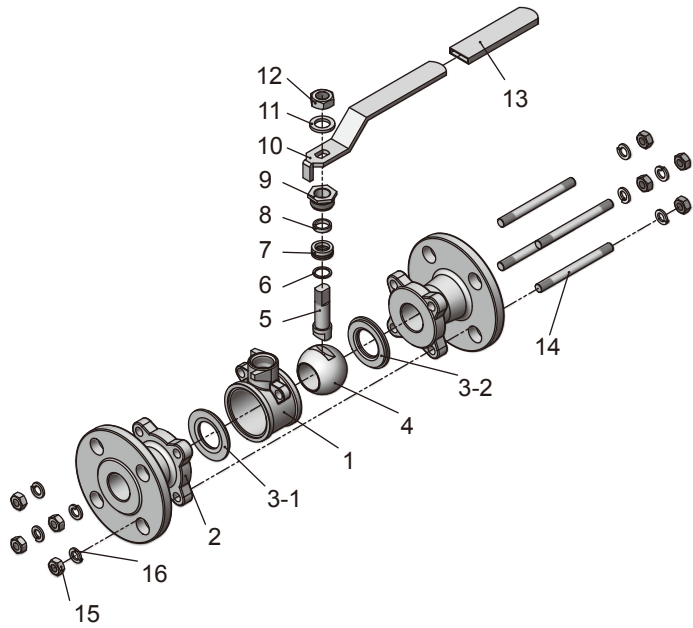
MODEL

301-FEA/FED / 302-FEA / 303-FEA / 305-FED / 307-FED / 309-FEA

產品介紹
Product Introduction

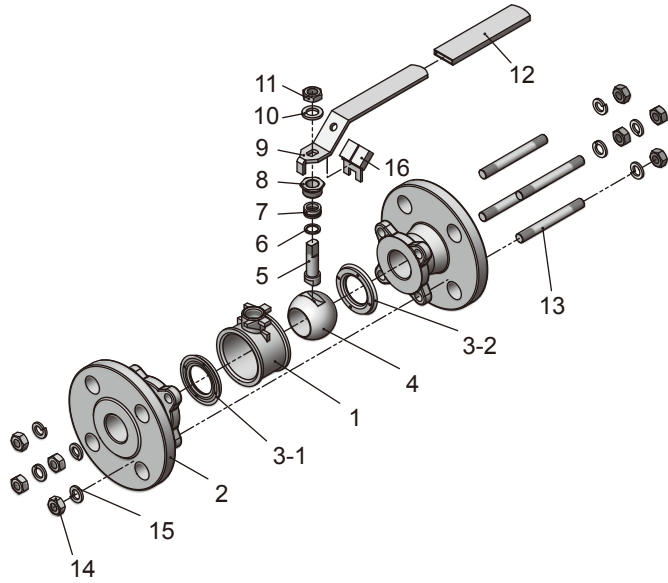
物料表 MATERIAL COMPOSITION

型號 Fig. No. : 301



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Thrust Washer	PTFE	PTFE
7	Packing	PTFE	PTFE
8	Gland Bush	PTFE	PTFE
9	Packing Gland	SS 304	SS 304
10	Handle	SS 304	SS 304
11	Lever Spring Washer	SS 304	SS 304
12	Lever Nut	SS 304	SS 304
13	Handle Cover	VINYL	VINYL
14	Bolt	SS 304	SS 304
15	Nut	SS 304	SS 304
16	Spring Washer	SS 304	SS 304

型號 Fig. No. : 302

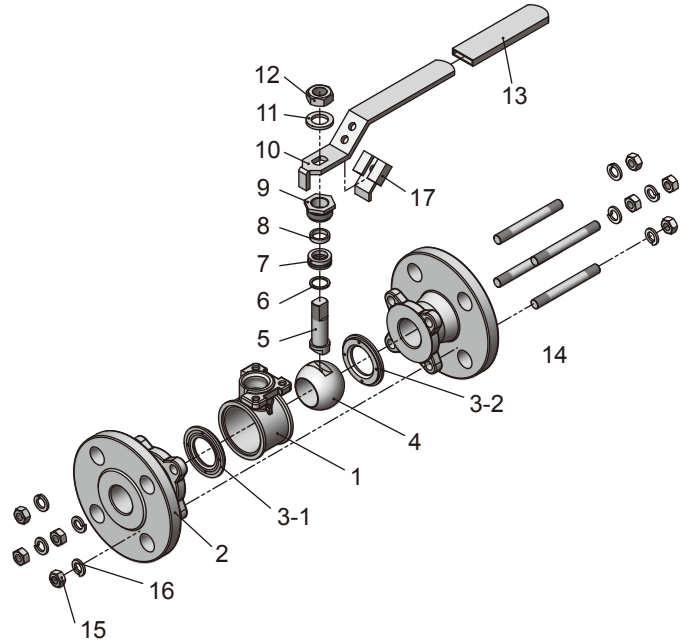


ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Thrust Washer	PTFE	PTFE
7	Packing	PTFE	PTFE
8	Packing Gland	SS 304	SS 304
9	Handle	SS 304	SS 304
10	Lever Spring Washer	SS 304	SS 304
11	Lever Nut	SS 304	SS 304
12	Handle Cover	VINYL	VINYL
13	Bolt	SS 304	SS 304
14	Nut	SS 304	SS 304
15	Spring Washer	SS 304	SS 304
16	Locking Device	SS 304	SS 304

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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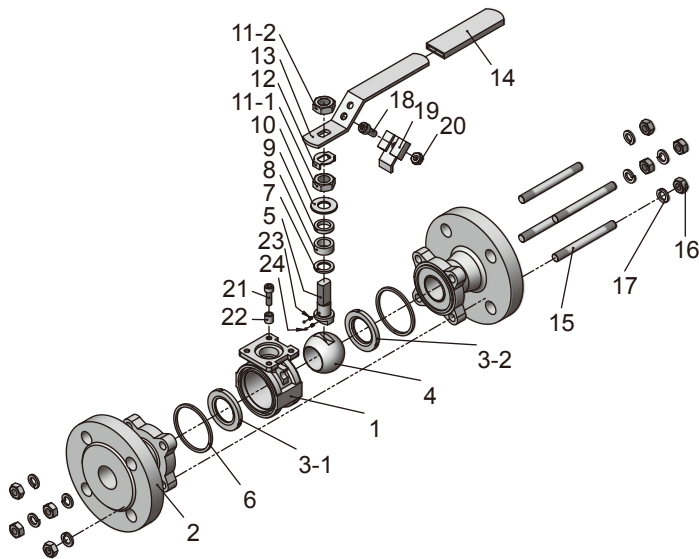
物料表 MATERIAL COMPOSITION

型號 Fig. No. : 303



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Thrust Washer	PTFE	PTFE
7	Packing	PTFE	PTFE
8	Gland Bush	PTFE	PTFE
9	Packing Gland	SS 304	SS 304
10	Handle	SS 304	SS 304
11	Lever Spring Washer	SS 304	SS 304
12	Lever Nut	SS 304	SS 304
13	Handle Cover	VINYL	VINYL
14	Bolt	SS 304	SS 304
15	Nut	SS 304	SS 304
16	Spring Washer	SS 304	SS 304
17	Locking Device	SS 304	SS 304

型號 Fig. No. : 305

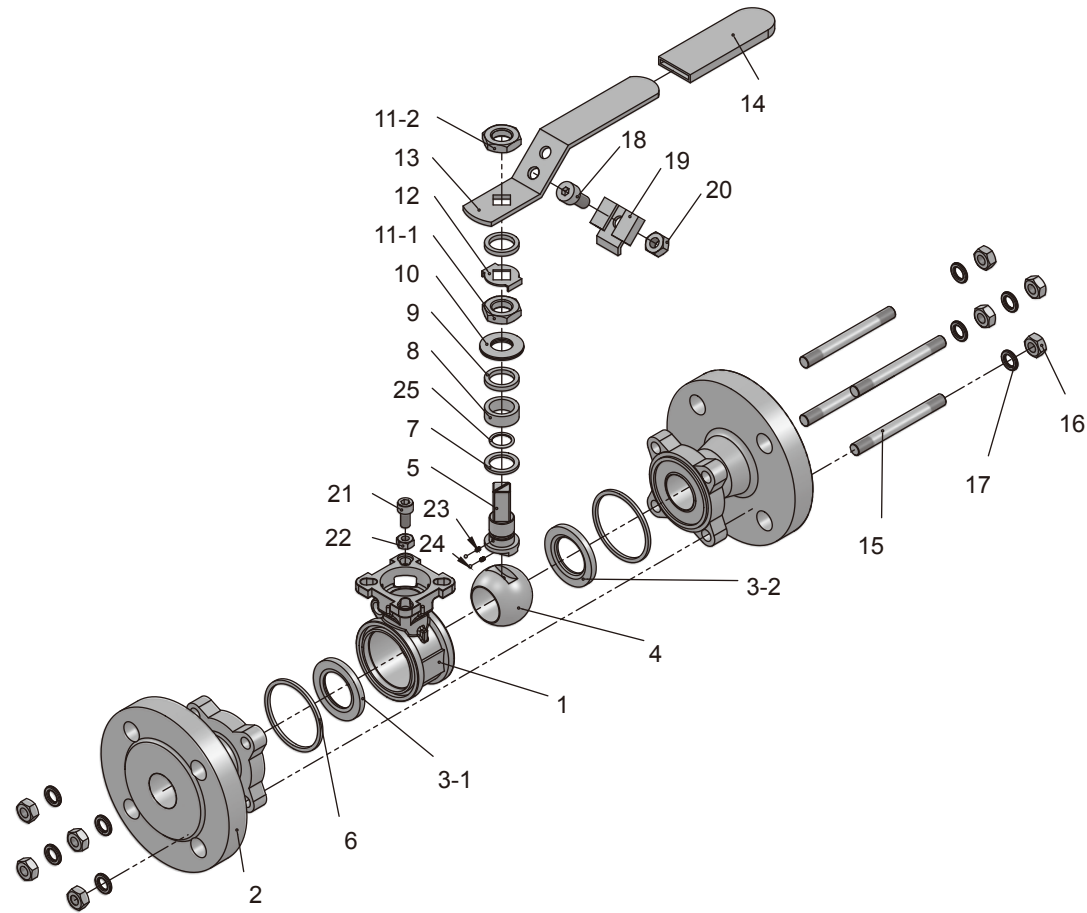


ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE	PTFE
8	Packing	PTFE	PTFE
9	Gland Ring	SS 304	SS 304
10	Lever Spring Washer	SS 304	SS 304
11	Lever Nut	SS 304	SS 304
12	Locking Tab	SS 304	SS 304
13	Handle	SS 304	SS 304
14	Handle Cover	VINYL	VINYL
15	Bolt	SS 304	SS 304
16	Nut	SS 304	SS 304
17	Spring Washer	SS 304	SS 304
18	Screw	SS 304	SS 304
19	Locking Device	SS 304	SS 304
20	Nut	SS 304	SS 304
21	Stop Screw	SS 304	SS 304
22	Stop Ring	SS 304	SS 304
23	Spring	SS 316	SS 316
24	Static Device	SS 316	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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物料表 MATERIAL COMPOSITION

型號 Fig. No. : 307



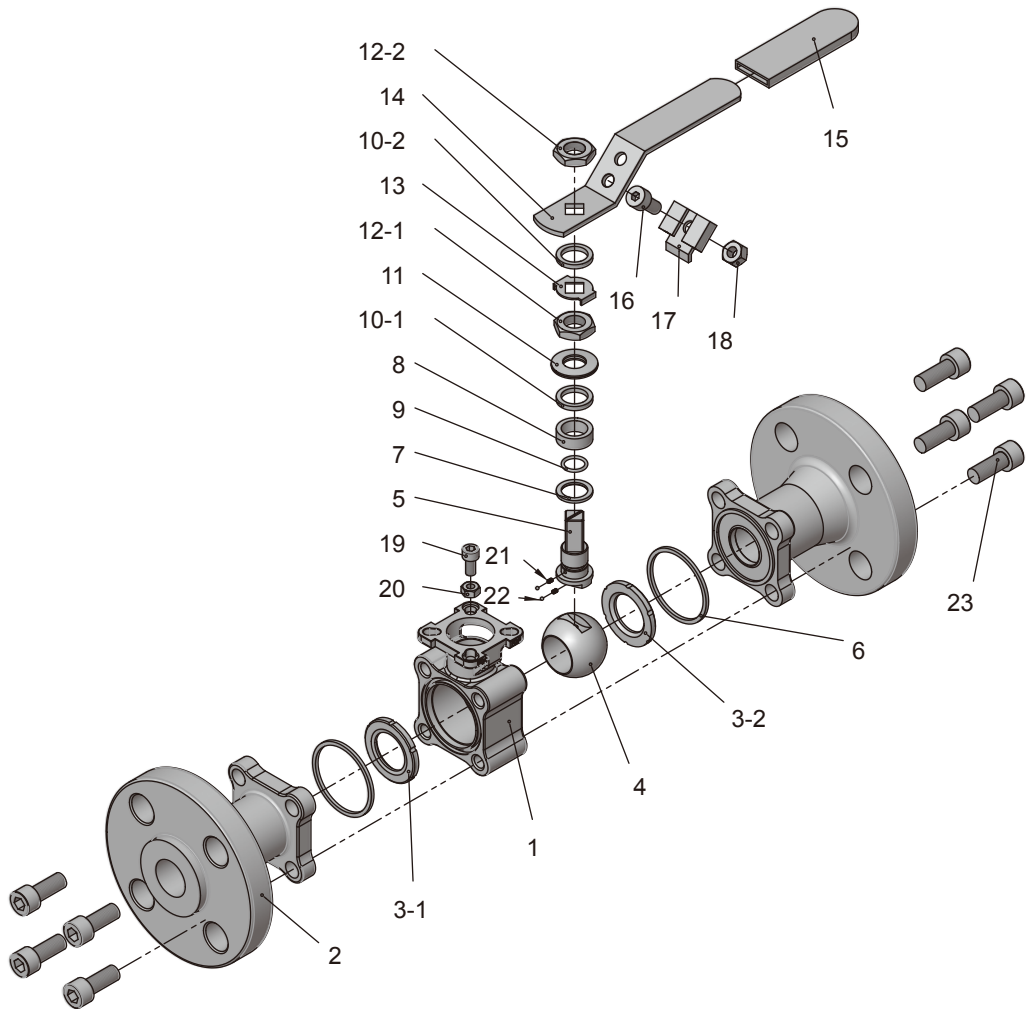
ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE	PTFE
8	Packing	PTFE	PTFE
9	Gland Ring	SS 304	SS 304
10	Lever Spring Washer	SS 304	SS 304
11	Lever Nut	SS 304	SS 304
12	Locking Tab	SS 304	SS 304
13	Handle	SS 304	SS 304

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
14	Handle Cover	VINYL	VINYL
15	Bolt	SS 304	SS 304
16	Nut	SS 304	SS 304
17	Spring Washer	SS 304	SS 304
18	Screw	SS 304	SS 304
19	Locking Device	SS 304	SS 304
20	Nut	SS 304	SS 304
21	Stop Screw	SS 304	SS 304
22	Stop Nut	SS 304	SS 304
23	Spring	SS 316	SS 316
24	Static Device	SS 316	SS 316
25	Stem O-ring	VITON	VITON

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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物料表 MATERIAL COMPOSITION

型號 Fig. No. : 309

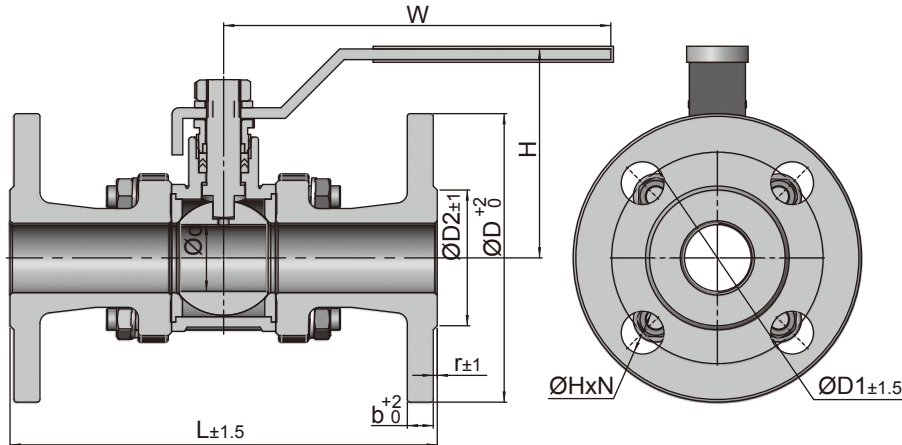


ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M / SS 316	A351-CF8 / SS 304
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE+15%G.F.	PTFE+15%G.F.
8	Packing	PTFE	PTFE
9	O-Ring	VITON	VITON
10	Gland Ring	SS 304	SS 304
11	Belleville Spring Washer	SS 301	SS 301

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
12	Lever Nut	SS 304	SS 304
13	Locking Tab	SS 304	SS 304
14	Handle	SS 304	SS 304
15	Handle Cover	VINYL	VINYL
16	Screw	SS 304	SS 304
17	Locking Device	SS 304	SS 304
18	Nut	SS 304	SS 304
19	Stop Screw	SS 304	SS 304
20	Stop Nut	SS 304	SS 304
21	Spring	SS 316	SS 316
22	Static Device	SS 316	SS 316
23	Bolt	A2-70	12.9

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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尺寸圖 DIMENSION LIST



301-FEA (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
1/2"	15	35.1	60.5	89	7.9	1.5	130	16x4	140	77.6
3/4"	20	42.9	69.8	99	8.6	1.5	150	16x4	140	85
1"	25	50.8	79.2	108	9.7	1.5	160	16x4	170	104.9
1-1/4"	32	63.5	88.9	117	11.2	1.5	180	16x4	170	109
1-1/2"	38	73	98.6	127	12.7	1.5	200	16x4	230	119.3
2"	50	91.9	120.6	152	14.2	1.5	230	19x4	230	125
2-1/2"	65	104.6	139.7	178	15.7	1.5	290	19x4	350	136
3"	80	127	152.4	190	17.5	1.5	310	19x4	350	148.1
4"	100	157.2	190.5	229	22.4	1.5	350	19x8	400	165.5

301-FED (PN40)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
1/2"	15	45	65	95	14	2	130	14x4	140	77.6
3/4"	20	58	75	105	16	2	150	14x4	140	85
1"	25	68	85	115	16	2	160	14x4	170	104.9
1-1/4"	32	78	100	140	16	2	180	18x4	170	109
1-1/2"	38	88	110	150	15	3	200	18x4	230	119.3
2"	50	102	125	165	17	3	230	18x4	230	125

301-FED (PN16)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
2-1/2"	65	122	145	185	15	3	290	18x4	350	136
3"	80	138	160	200	17	3	310	18x8	350	148.1
4"	100	158	180	220	17	3	350	18x8	400	165.5

302-FEA (Class 150)

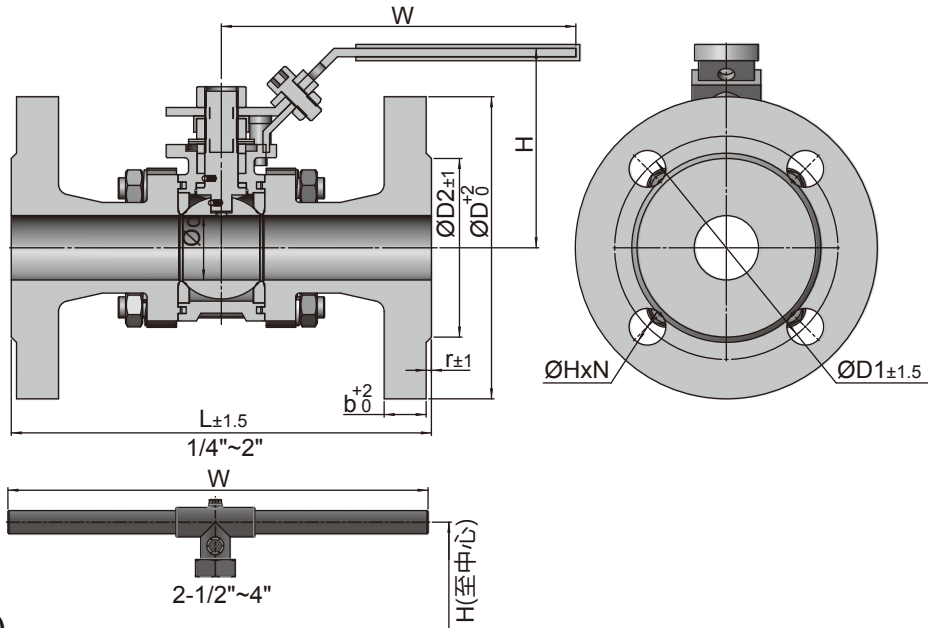
SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
1/2"	15	35.1	60.5	89	7.9	1.5	108	16x4	110	74.5
3/4"	20	42.9	69.8	99	8.6	1.5	117	16x4	125	79
1"	24.5	50.8	79.2	108	9.7	1.5	127	16x4	145	84
1-1/4"	32	63.5	88.9	117	11.2	1.5	140	16x4	145	89.6
1-1/2"	38	73	98.6	127	12.7	1.5	165	16x4	175	96.7
2"	50	92.1	120.6	152	14.2	1.5	178	19x4	175	106

303-FEA (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
1/2"	15	35.1	60.5	89	7.9	1.5	108	16x4	140	73.7
3/4"	20	42.9	69.8	99	8.6	1.5	117	16x4	140	79.9
1"	24.5	50.8	79.2	108	9.7	1.5	127	16x4	170	95.8
1-1/4"	32	63.5	88.9	117	11.2	1.5	140	16x4	170	101.3
1-1/2"	38	73	98.6	127	12.7	1.5	165	16x4	230	108.7
2"	50	92.1	120.6	152	14.2	1.5	178	19x4	230	117.3

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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尺寸圖 DIMENSION LIST



305-FED (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
1/2"	16	35.1	60.5	89	7.9	1.5	139.7	16x4	140	78.7
3/4"	20	42.9	69.8	99	8.6	1.5	152.4	16x4	140	81.2
1"	24.5	50.8	79.2	108	9.7	1.5	165.1	16x4	170	94.8
1-1/4"	32	63.5	88.9	117	11.2	1.5	177.8	16x4	170	100
1-1/2"	38	73	98.6	127	12.7	1.5	190.5	16x4	230	110
2"	50	92.1	120.6	152	14.2	1.5	215.9	19x4	230	118.5
2-1/2"	65	104.6	139.7	178	15.7	1.5	241.3	19x4	380	138.5
3"	80	127	152.4	190	17.5	1.5	282.4	19x4	400	159.5
4"	100	157.2	190.5	229	22.4	1.5	304.8	19x8	400	174.6

305-FED (PN40)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
1/2"	15	45	65	95	14	2	130	14x4	140	78.7
3/4"	20	58	75	105	16	2	150	14x4	140	81.2
1"	25	68	85	115	16	2	160	14x4	170	94.8
1-1/4"	32	78	100	140	16	2	180	18x4	170	100
1-1/2"	38	88	110	150	15	3	200	18x4	230	110
2"	50	102	125	165	17	3	230	18x4	230	118.5

305-FED (PN16)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
2-1/2"	65	122	145	185	15	3	290	18x4	380	138.5
3"	80	138	160	200	17	3	310	18x8	400	159.5
4"	100	158	180	220	17	3	350	18x8	400	174.6

307-FED (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
1/2"	16	35.1	60.5	89	7.9	1.5	139.7	16x4	110	70.9
3/4"	20	42.9	69.8	99	8.6	1.5	152.4	16x4	110	73.4
1"	24.5	50.8	79.2	108	9.7	1.5	165.1	16x4	135	84.1
1-1/4"	32	63.5	88.9	117	11.2	1.5	177.8	16x4	165	89.3
1-1/2"	38	73	98.6	127	12.7	1.5	190.5	16x4	165	109.5
2"	50	92.1	120.6	152	14.2	1.5	215.9	19x4	165	118.9
2-1/2"	65	104.6	139.7	178	15.7	1.5	241.3	19x4	300	155
3"	80	127	152.4	190	17.5	1.5	282.4	19x4	335	165
4"	100	157.2	190.5	229	22.4	1.5	304.8	19x8	335	180

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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尺寸圖 DIMENSION LIST

307-FED (PN40)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
1/2"	15	45	65	95	14	2	130	14x4	110	70.9
3/4"	20	58	75	105	16	2	150	14x4	110	73.4
1"	25	68	85	115	16	2	160	14x4	135	84.1
1-1/4"	32	78	100	140	16	2	180	18x4	165	89.3
1-1/2"	38	88	110	150	15	3	200	18x4	165	109.5
2"	50	102	125	165	17	3	230	18x4	165	118.9

307-FED (PN16)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
2-1/2"	65	122	145	185	15	3	290	18x4	300	155
3"	80	138	160	200	17	3	310	18x8	335	165
4"	100	158	180	220	17	3	350	18x8	335	180

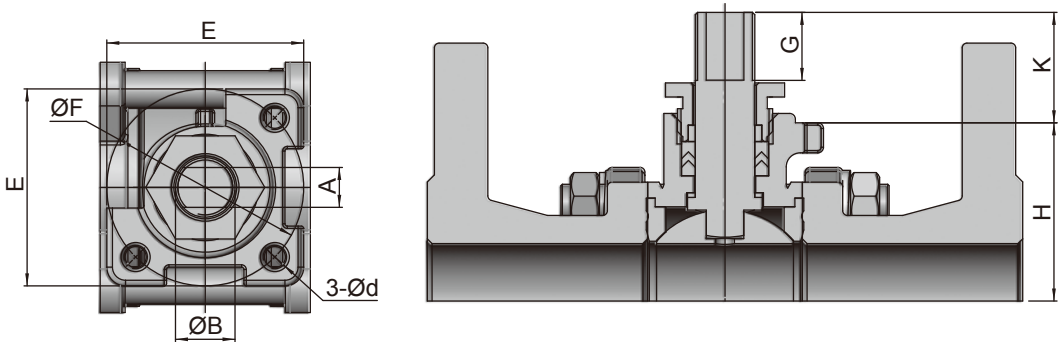
309-FEA (Class 600)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H
1/2"	16	35.1	66.5	95	14.2	6.4	165	16x4	110	70.9
3/4"	20	42.9	82.6	117	15.7	6.4	190	19x4	110	73.4
1"	24.5	50.8	88.9	124	17.5	6.4	216	19x4	135	84.1
1-1/4"	32	63.5	98.6	133	20.6	6.4	229	19x4	135	89.3
1-1/2"	38	73	114.3	155	22.4	6.4	241	22x4	165	109.5
2"	50	91.9	127	165	25.4	6.4	292	19x8	165	118.9

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

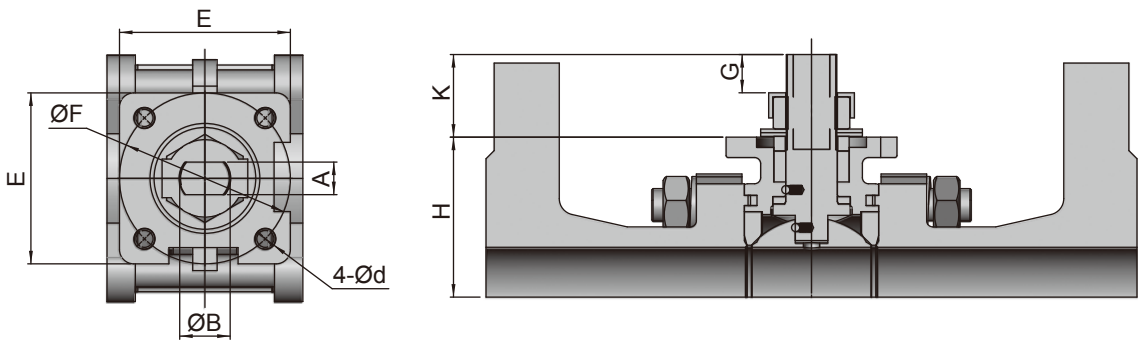
We reserve the right to modify the design / specification without previous notice for better quality.

平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



303-FEA (Class 150)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	5	7.9	M5	36	36	9.5	15	26.5	F03
3/4"	6.5	9.5	M5	36	36	10.5	17.2	31.5	F03
1"	8.5	12.7	M5	42	42	14.5	23.6	38	F04
1-1/4"	8.5	12.7	M5	42	42	14.5	24.5	42.6	F04
1-1/2"	9	16	M6	50	50	15.5	25.9	50	F05
2"	9	16	M6	50	50	15.5	26.5	58	F05



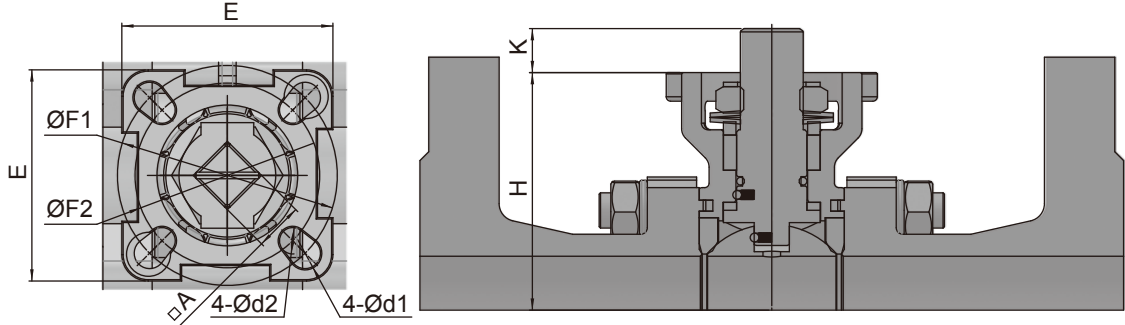
305-FED (PN40/16)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	6	9.3	M5	36	36	7.1	15.5	28.9	F03
3/4"	6	9.3	M5	36	36	7.1	15.5	31.4	F03
1"	8	12.4	M5	42	42	9.4	20.3	39.3	F04
1-1/4"	8	12.4	M5	42	42	9.4	20.3	44.5	F04
1-1/2"	10	15.7	M6	50	50	12.5	25.4	51.1	F05
2"	10	15.7	M6	50	50	12.5	25.4	59.7	F05
2-1/2"	14	18.7	M8	68	70	25.5	40.8	82.9	F07
3"	17	24.9	M10	96	102	23.2	44.4	98.8	F10
4"	17	24.9	M10	96	102	23.2	44.4	113.9	F10

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



307-FED (PN40/16)

SIZE	A	d1	d2	E	F1	F2	K	H	ISO5211
1/2"	9	6	6	42	42	36	8	42.3	F03/F04
3/4"	9	6	6	42	42	36	8	44.8	F03/F04
1"	11	7	6	48	50	42	10	54	F04/F05
1-1/4"	11	7	6	48	50	42	10	59.2	F04/F05
1-1/2"	14	9	7	68	70	50	14.8	73.5	F05/F07
2"	14	9	7	68	70	50	14.8	82.9	F05/F07
2-1/2"	17	11	9	94	102	70	17.1	107	F07/F10
3"	17	11	9	94	102	70	17.1	117.3	F07/F10
4"	17	11	9	94	102	70	17.1	132.3	F07/F10

309-FEA (Class 600)

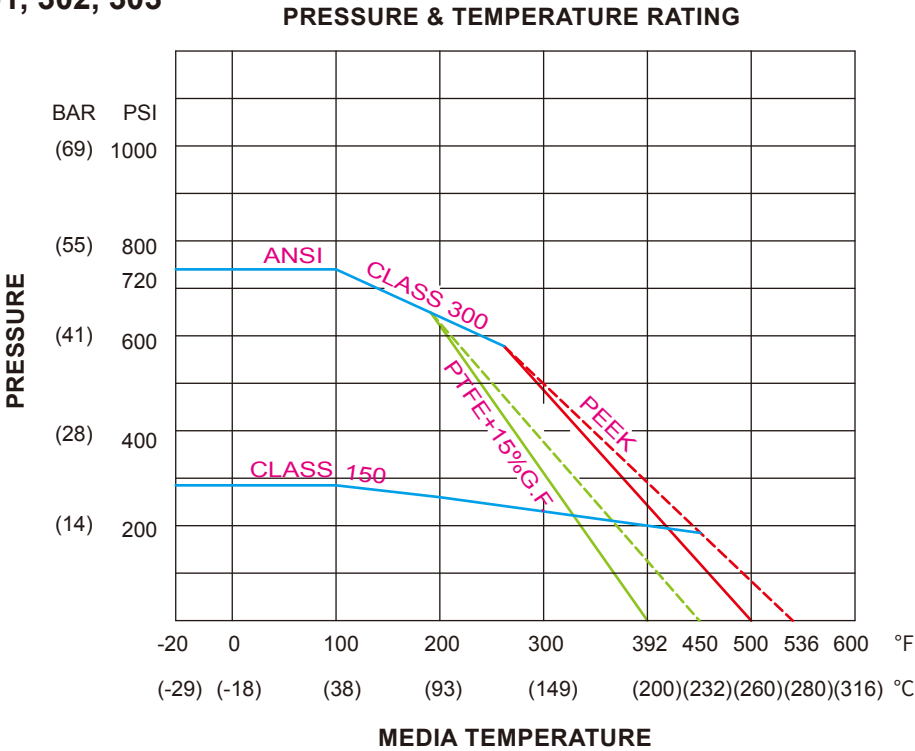
SIZE	A	d1	d2	E	F1	F2	K	H	ISO5211
1/2"	9	6	6	42	42	36	8	42.3	F03/F04
3/4"	9	6	6	42	42	36	8	44.8	F03/F04
1"	11	7	6	48	50	42	10	54	F04/F05
1-1/4"	11	7	6	48	50	42	10	59.2	F04/F05
1-1/2"	14	9	7	68	70	50	14.8	73.5	F05/F07
2"	14	9	7	68	70	50	14.8	82.9	F05/F07

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

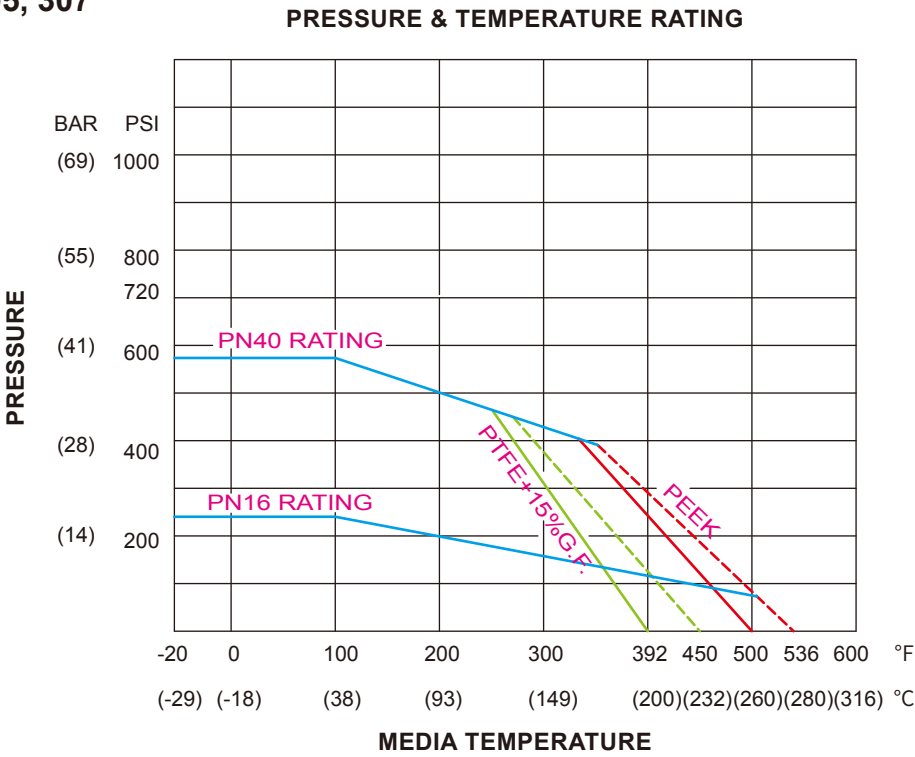
We reserve the right to modify the design / specification without previous notice for better quality.

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 301, 302, 303



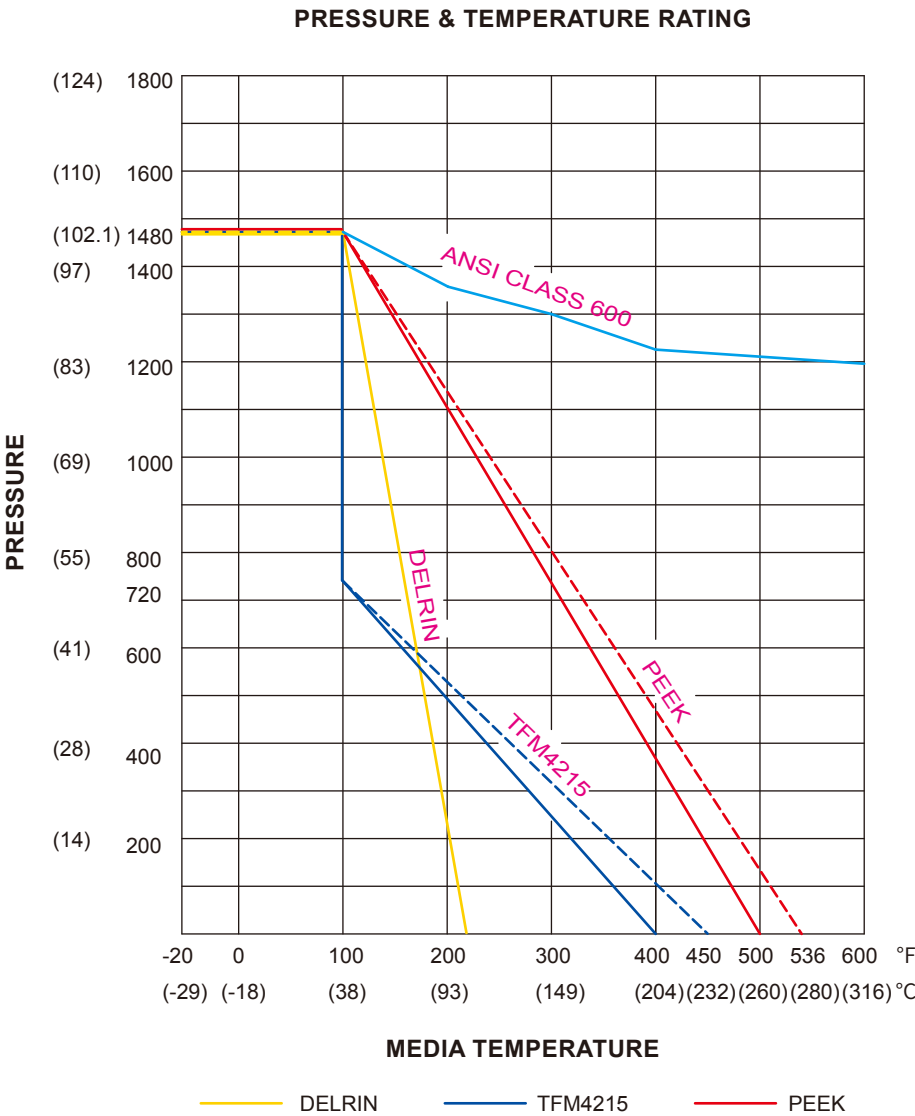
型號 Fig. No. : 305, 307



- Remark:
1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
 2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
 3. Final selection of seat material is the user's choice, experience & responsibility.
 4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 309



- Remark:
1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
 2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
 3. Final selection of seat material is the user's choice, experience & responsibility.
 4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature

球閥
BALL VALVE

SERIES

高平台法蘭球閥
ISO Direct Mounting Pad Flanged End Ball Valve

MODEL

403 / 405

產品介紹

Product Introduction

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, General Fluid.

技術資料 TECHNICAL DATA

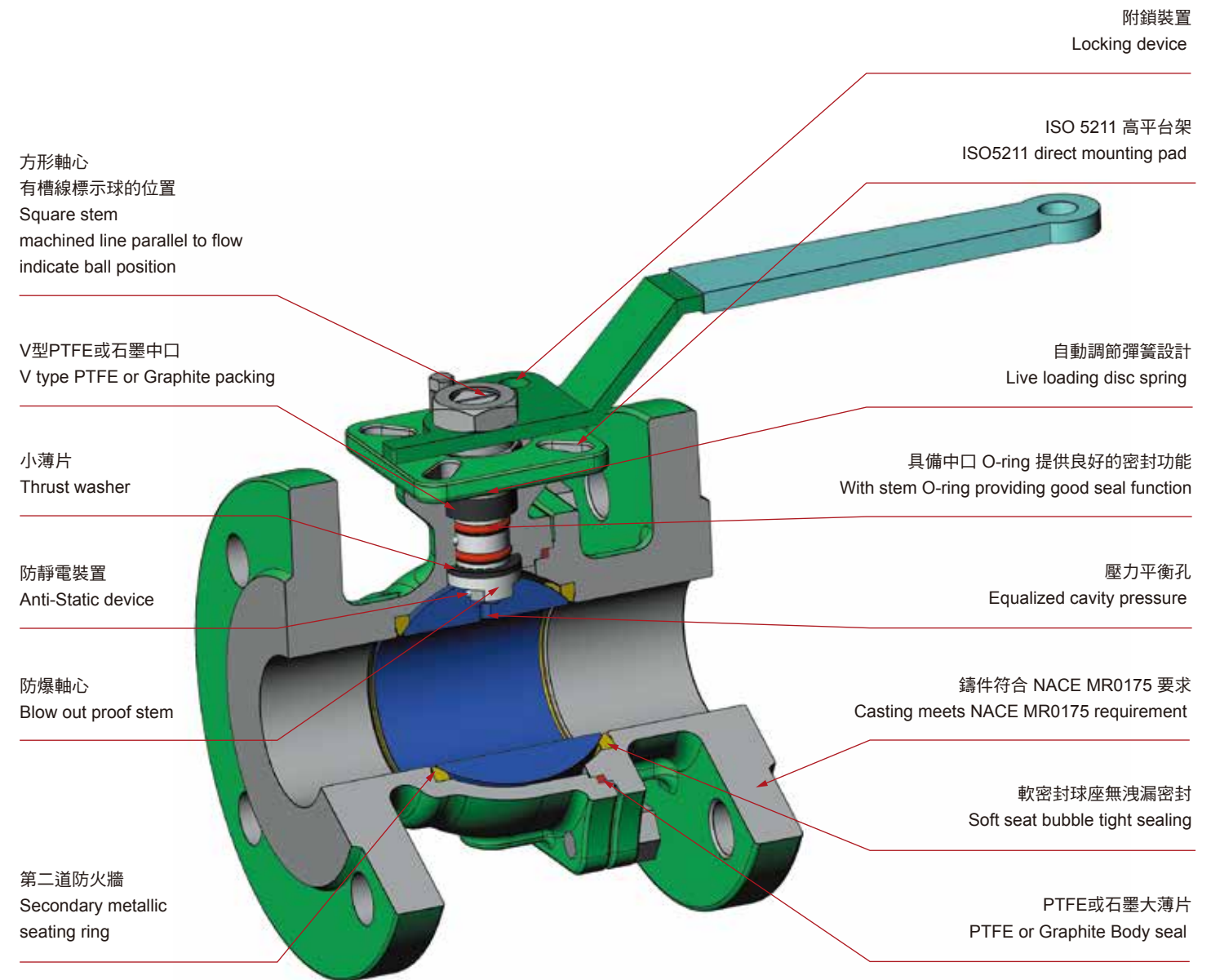
設計 / 尺寸 Design / Size	ASME B16.34, EN12516-1 1/2" ~ 8" (DN15 ~ DN200)
壓力等級 Pressure Rating	ASME Class 150, PN40 (DN15-DN100) PN16 (DN65-DN200)
端口 End Connections	法蘭端 Flanged End
產品檢測 Testing	API 598, EN12266-1
流量 Bore	全流量 Full Bore
認證 Certificate	API 607 ATEX TA-Luft PED 2014/68/EU 認證適用於 CE 市場的產品 PED 2014/68/EU approval for CE market product.

特點 FEATURES

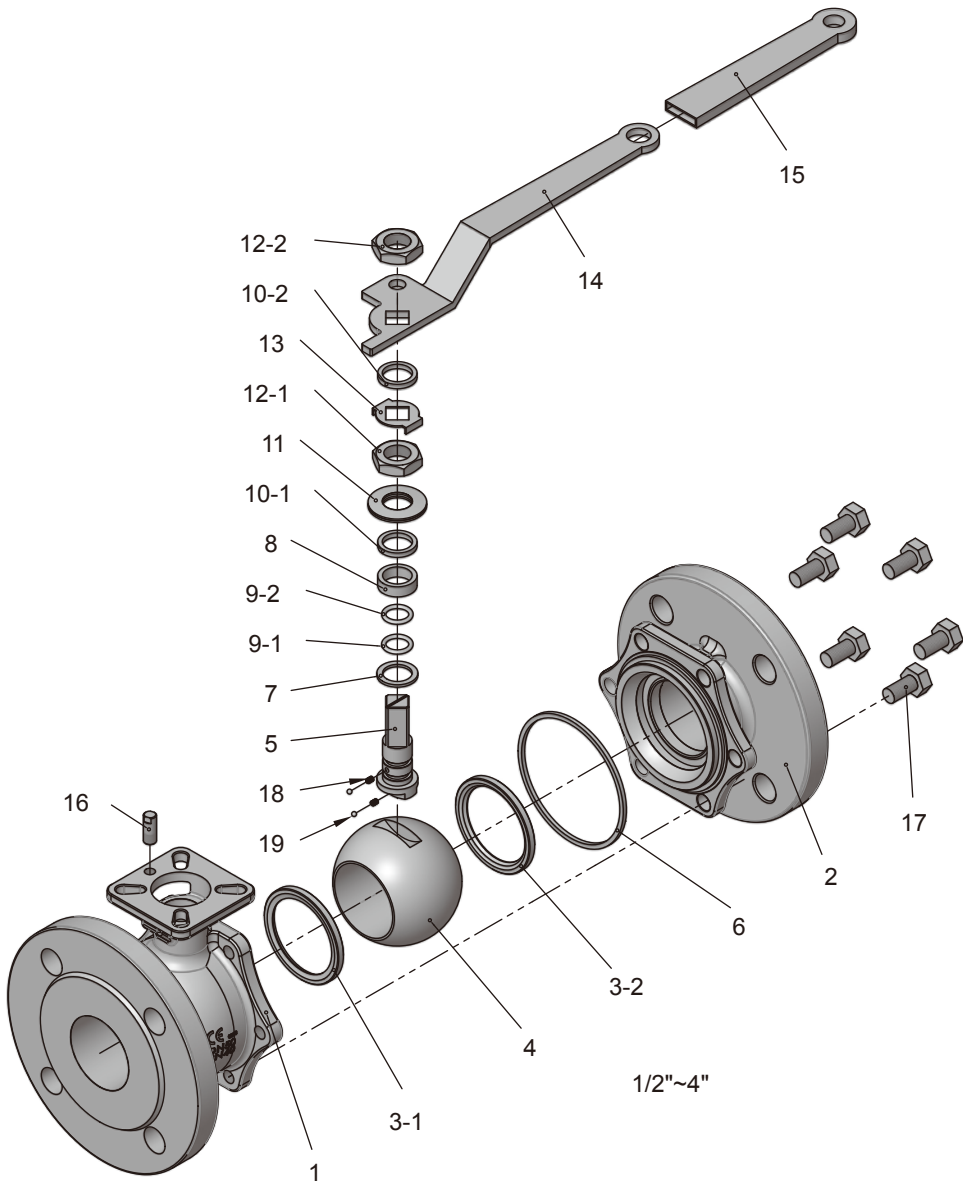
- 以具有競爭力的價格提供卓越的閥門設計。
 - 可直接安裝執行器的 ISO 平台架，不需支架連接桿，節省成本、空間及時間。
 - 延長軸心可應要求提供。
 - RPTFE密封消除了對產品污染的擔憂。
 - 防火認證 API 607，可應要求提供。
 - 較低的操作扭力，便於操作並降低執行器成本。
 - 明確的開關位置指示。
 - 防爆軸心。
 - NACE MR0175 可應要求提供。
 - 可使用附鎖裝置。
 - 防靜電裝置。
 - 根據 ISO 9001 認證的質量體系製造。
 - 標準 CE 標示符合 PED 2014/68/EU，可應要求提供。
 - 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * 請參考溫壓圖

- Superior valve design at a competitive price.
 - Machined ISO actuator mounting pad for directly mount actuator, bracket and adaptor is unnecessary, save cost, space and time.
 - Extension Bonnet is available on request.
 - RPTFE seal relieves concern over product contamination.
 - Fire test certified to API 607. Available on request.
 - Lower operating torque for ease of operation and reduced actuator cost.
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 available on request.
 - Locking device is available.
 - Anti-Static device.
 - Manufactured under ISO 9001 certified quality system.
 - CE marking according to PED 2014/68/EU standard. Available on request.
 - Various seat material are available.
- In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * Please refer to the Pressure-Temperature rating.

403剖面圖



物料表 MATERIAL COMPOSITION



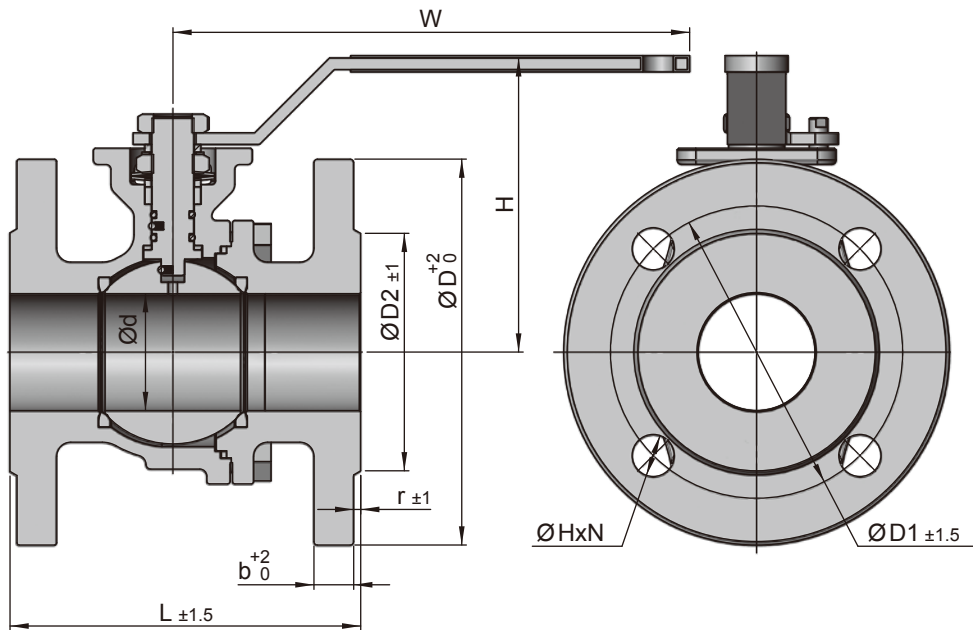
ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	1.4408	1.0619
2	End Cap	1.4408	1.0619
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	1.4408	1.4301
5	Stem	1.4408	1.4301
6	Body Seal	PTFE	PTFE
7	Gasket	PTFE	PTFE
8	Packing	PTFE	PTFE
9	Stem Bearing	PTFE	PTFE
10	Gland Bush	PTFE	PTFE
11	Gland Flange	A351-CF8M	A351-CF8

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
12	Gland Bolt	A193-B8M	A193-B7
13	Travel Stop	SS 304	SS 304
14	Snap Ring	SS 301	SS 301
15	T-Block	DUCTILE IRON	DUCTILE IRON
16	Bolt	SS 304	SS 304
17	Bolt	SS 304	SS 304
18	Pipe	STEEL+Zn Plated	STEEL+Zn Plated
19	Studs	A193-B7M	A193-B7
20	Nuts	A194-8M	A194-8
21	Spring	SS 316	SS 316
22	Static Device	SS 316	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

尺寸圖 DIMENSION LIST



403 (PN40)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	45	65	98	14	2	115	14x4	114	89	F03/F04
3/4"	20	58	75	105	16	2	120	14x4	114	89	F03/F04
1"	25	68	85	115	16	2	125	14x4	187	101	F04/F05
1-1/4"	32	78	100	140	16	2	130	18x4	187	112	F04/F05
1-1/2"	40	88	110	150	15	3	140	18x4	222	116	F05/F07
2"	50	102	125	165	17	3	150	18x4	222	125	F05/F07
2-1/2"	65	122	145	185	19	3	170	18x8	350	154	F07/F10
3"	80	138	160	200	21	3	180	18x8	350	165	F07/F10
4"	100	162	190	235	21	3	190	22x8	350	180	F10/F12

403 (PN16)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
2-1/2"	65	122	145	185	15	3	170	18x4	350	154	F07/F10
3"	80	138	160	200	17	3	180	18x8	350	165	F07/F10
4"	100	158	180	220	17	3	190	18x8	350	180	F07/F10
5"	125	188	210	250	19	3	325	18x8	400	205	F10
6"	150	212	240	285	19	3	350	22x8	800	269	F12
8"	200	268	295	340	21	3	400	22x12	1100	336	F14

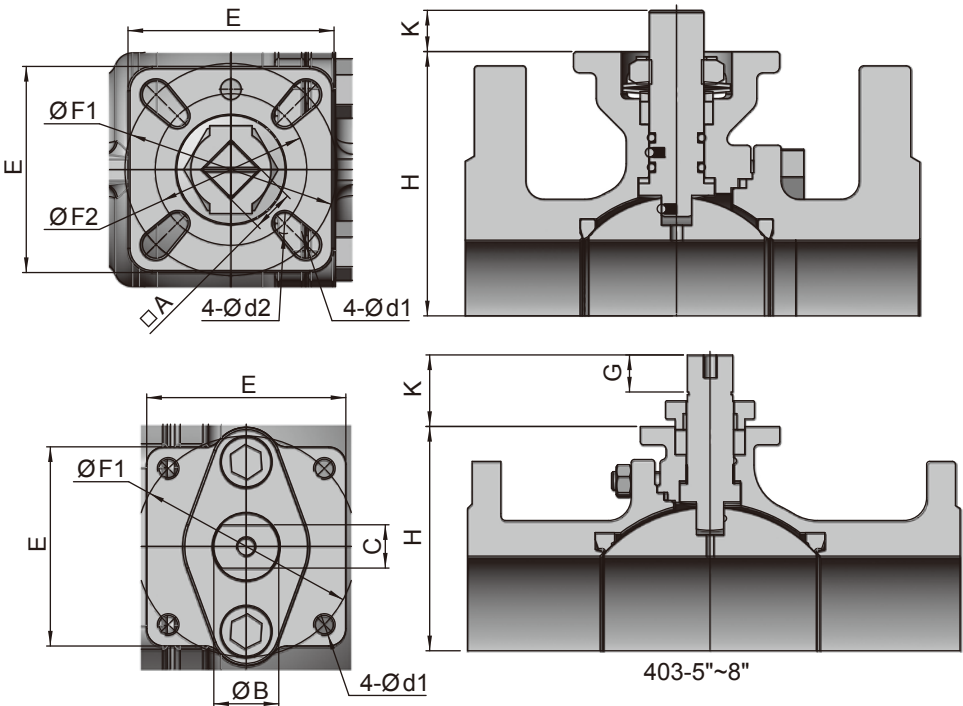
405 (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	35	60.5	89	9.5	1.6	108	16x4	114	89	F03/F04
3/4"	20	43	70	99	9.5	1.6	117	16x4	114	89	F03/F04
1"	25	51	79.5	108	9.7	1.6	127	16x4	187	101	F04/F05
1-1/4"	32	64	89	117	11.1	1.6	140	16x4	187	112	F04/F05
1-1/2"	38	73	98.5	127	12.7	1.6	165	16x4	222	116	F05/F07
2"	50	92	120.5	152	14.2	1.6	178	19x4	222	125	F05/F07
2-1/2"	65	105	139.5	178	15.7	1.6	190	19x4	350	154	F07/F10
3"	80	127	152.5	190	17.5	1.6	203	19x4	350	165	F07/F10
4"	100	157	190.5	229	22.4	1.6	229	19x8	350	180	F07/F10

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



403 (PN40)

SIZE	A	d1	d2	E	F1	F2	K	H	ISO5211
1/2"	9	6	6	42	42	36	8	54	F03/F04
3/4"	9	6	6	42	42	36	8	56	F03/F04
1"	11	7	6	48	50	42	12	62.5	F04/F05
1-1/4"	11	7	6	48	50	42	12	72	F04/F05
1-1/2"	14	9	7	68	70	50	14.8	78	F05/F07
2"	14	9	7	68	70	50	14.8	87.2	F05/F07
2-1/2"	17	11	9	94	102	70	17.1	107	F07/F10
3"	17	11	9	94	102	70	17.1	117.3	F07/F10
4"	22	13	11	94	125	102	22	132.3	F10/F12

403 (PN16)

SIZE	A	B	C	d1	d2	E	F1	F2	K	H	G	ISO5211
2-1/2"	17	-	-	11	9	94	102	70	17.1	107	-	F07/F10
3"	17	-	-	11	9	94	102	70	17.1	117.3	-	F07/F10
4"	17	-	-	11	9	94	102	70	17.1	132.3	-	F07/F10
5"	-	30	20	M10	-	92	102	-	47.2	148	24.5	F10
6"	-	38	26	M12	-	115	125	-	63	182	32.6	F12
8"	-	48	32	M16	-	137.5	140	-	76	233.5	38.1	F14

405 (Class 150)

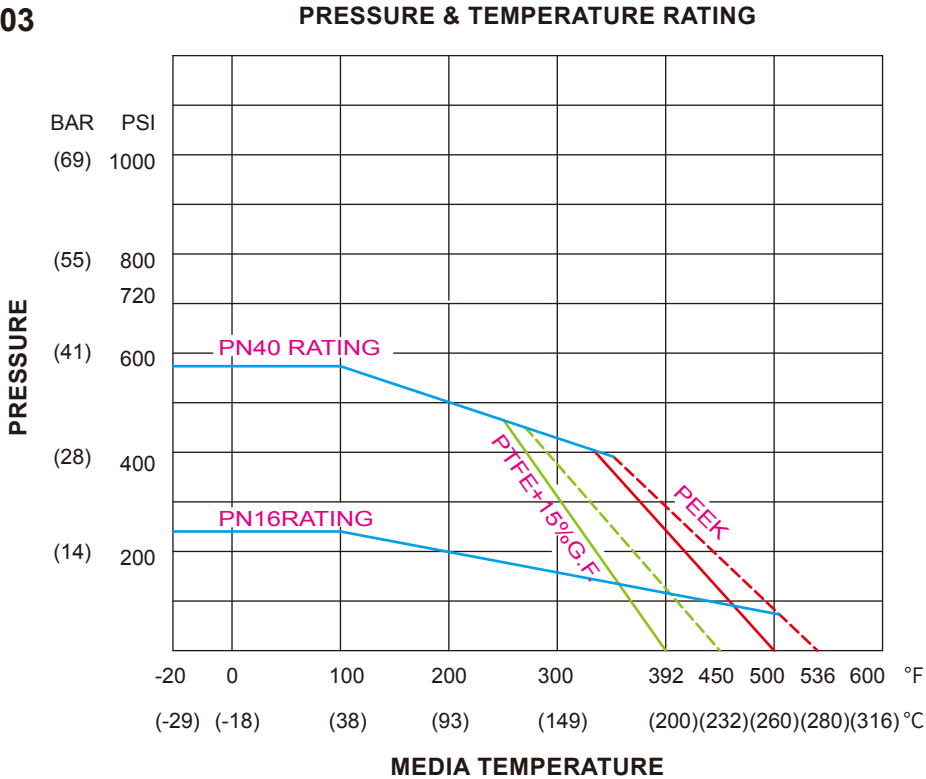
SIZE	A	d1	d2	E	F1	F2	K	H	ISO5211
1/2"	9	6	6	42	42	36	8	54	F03/F04
3/4"	9	6	6	42	42	36	8	56	F03/F04
1"	11	7	6	48	50	42	12	62.5	F04/F05
1-1/4"	11	7	6	48	50	42	12	72	F04/F05
1-1/2"	14	9	7	68	70	50	14.8	78	F05/F07
2"	14	9	7	68	70	50	14.8	87.2	F05/F07
2-1/2"	17	11	9	94	102	70	17.1	107	F07/F10
3"	17	11	9	94	102	70	17.1	117.3	F07/F10
4"	17	11	9	94	102	70	17.1	132.3	F07/F10

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

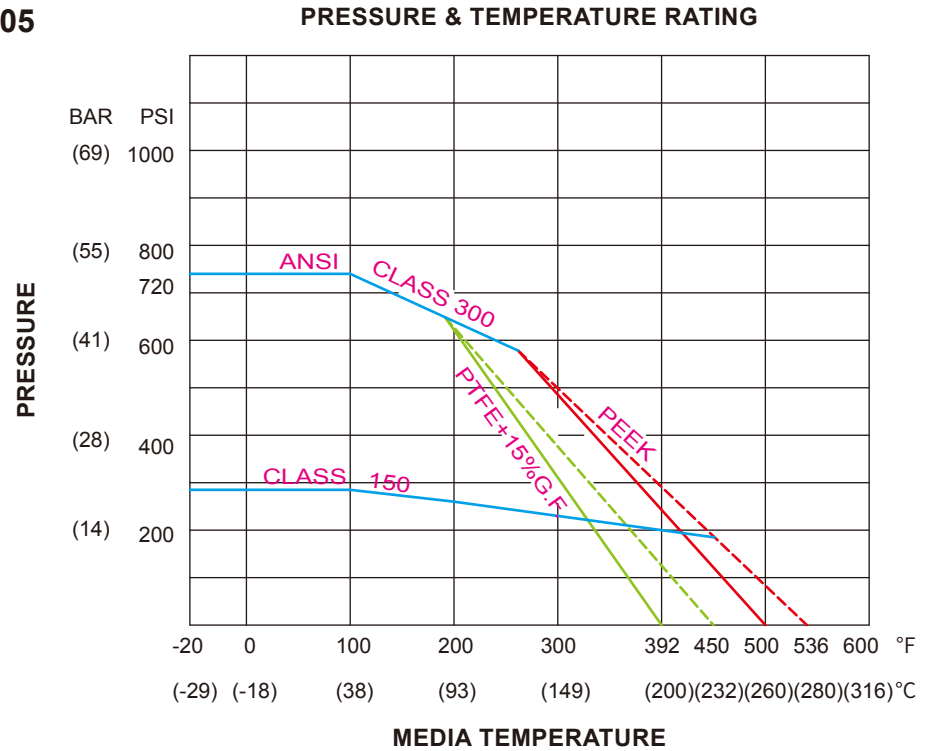
We reserve the right to modify the design / specification without previous notice for better quality.

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 403



型號 Fig. No. : 405



Remark:

1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
3. Final selection of seat material is the user's choice, experience & responsibility.
4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature

球閥
BALL VALVE

SERIES

金屬密封球閥
Metal Seated Ball Valve

應用 APPLICATIONS

礦業與礦物加工業、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、一般流體、半導體業、高溫氣體、高黏度流體。
Mining & Mineral Processing, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, General Fluid, Semiconductor, Hot Gas, High Viscous Media.

技術資料 TECHNICAL DATA

設計 / 尺寸 Design / Size	ASME B16.34, API 608, EN-12516-1, ISO 17292 1/2" ~ 4" (DN15 ~ DN100)
壓力等級 Pressure Rating	ASME Class 150, 300, PN40, PN16, 1500 WOG
端口 End Connections	法蘭端、牙口端、對焊端、套焊端 Flanged End, Threaded End, Butt Weld End, Socket Weld End
產品檢測 Testing	API 598, ASME B16.104/FCI70-2 (Class V or VI), EN 12266-1
流向 Flow Direction	單向 Uni-Direction
流量 Bore	全流量 Full Bore
認證 Certificate	API 6FA: 801, 803, 816, 840 ISO 15848-1: 801, 803, 816, 840, 339

特點 FEATURES

- 標準工作溫度範圍可達400°C。
 - 以具有競爭力的價格提供卓越的閥門設計。
 - 延長軸心及端蓋可應要求提供。
 - 易燃和非易燃應用的逸散性洩漏控制。可應要求提供。
 - 閥門逸散性排放能力通過 ISO 15848-1 CO3 BH 第三方認證。可應要求提供。
 - 可使用於執行器的 ISO 平台架。
 - 產品標準設計為全流量設計，提供高流量，低擾流。
 - 藉由研磨球和金屬座組以達到緊密的關閉狀態。
 - 可供選擇的各種表面處理及塗層以改善抗腐蝕及磨損的功能。
 - 防火認證 API 6FA。可應要求提供。
 - 較低的操作扭力，便於操作並降低執行器成本。
 - 明確的開關位置指示。
 - 防爆軸心。
 - NACE MR0175 可應要求提供。
 - 可使用附鎖裝置。
 - 根據 ISO 9001 認證的質量體系製造。
 - 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
- Tungsten Carbide
 - Chromium Carbide Nickel Chromium
 - Tungsten Carbide Cobalt Chrome
 - Ni 60
 - Stellite 6
 - Stellite 20
- * 請參考溫壓圖

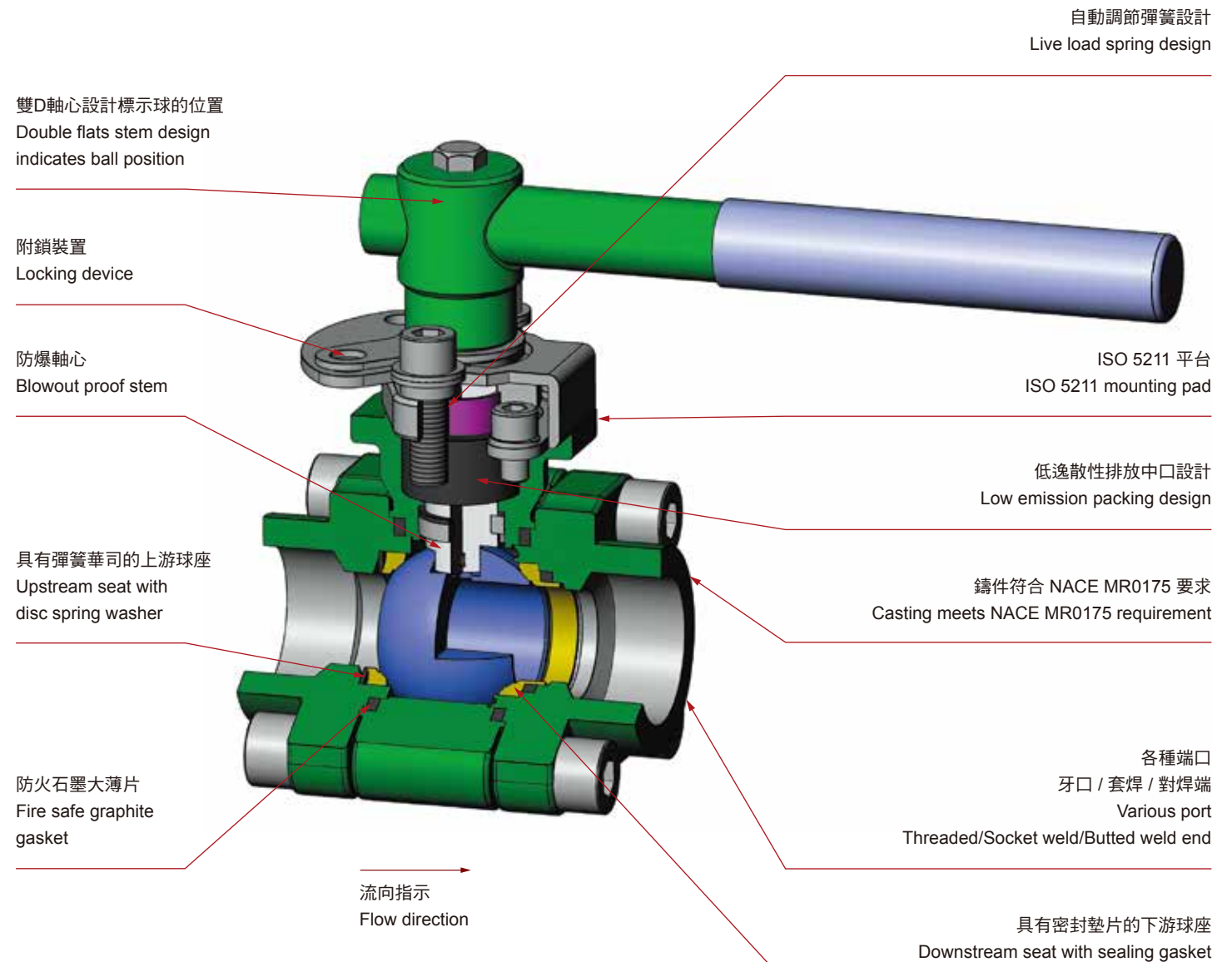
- Typical Service Temperature Range Up to 400 degree C.
 - Superior valve design at a competitive price.
 - Extension Bonnet and End is available on request.
 - Fugitive emissions control for flammable and non-flammable applications. Available on request.
 - Valve fugitive emissions capability third-party certified to ISO 15848-1 CO3 BH. Available on request.
 - Machined ISO actuator mounting pad.
 - Full Port design, as standard, for high flow and minimum turbulence.
 - Tight Shutoff achieved by lapping of ball and metal seat sets.
 - Various surface treatments and coatings available for improved corrosion and abrasion resistance.
 - Fire test certified to API 6FA. Available on request.
 - Lower operating torque for ease of operation and reduced actuator cost.
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 available on request.
 - Locking device is available.
 - Manufactured under ISO 9001 certified quality system.
 - Various seat material are available.
- In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
- Tungsten Carbide
 - Chromium Carbide Nickel Chromium
 - Tungsten Carbide Cobalt Chrome
 - Ni 60
 - Stellite 6
 - Stellite 20
- * Please refer to the Pressure-Temperature rating.

MODEL

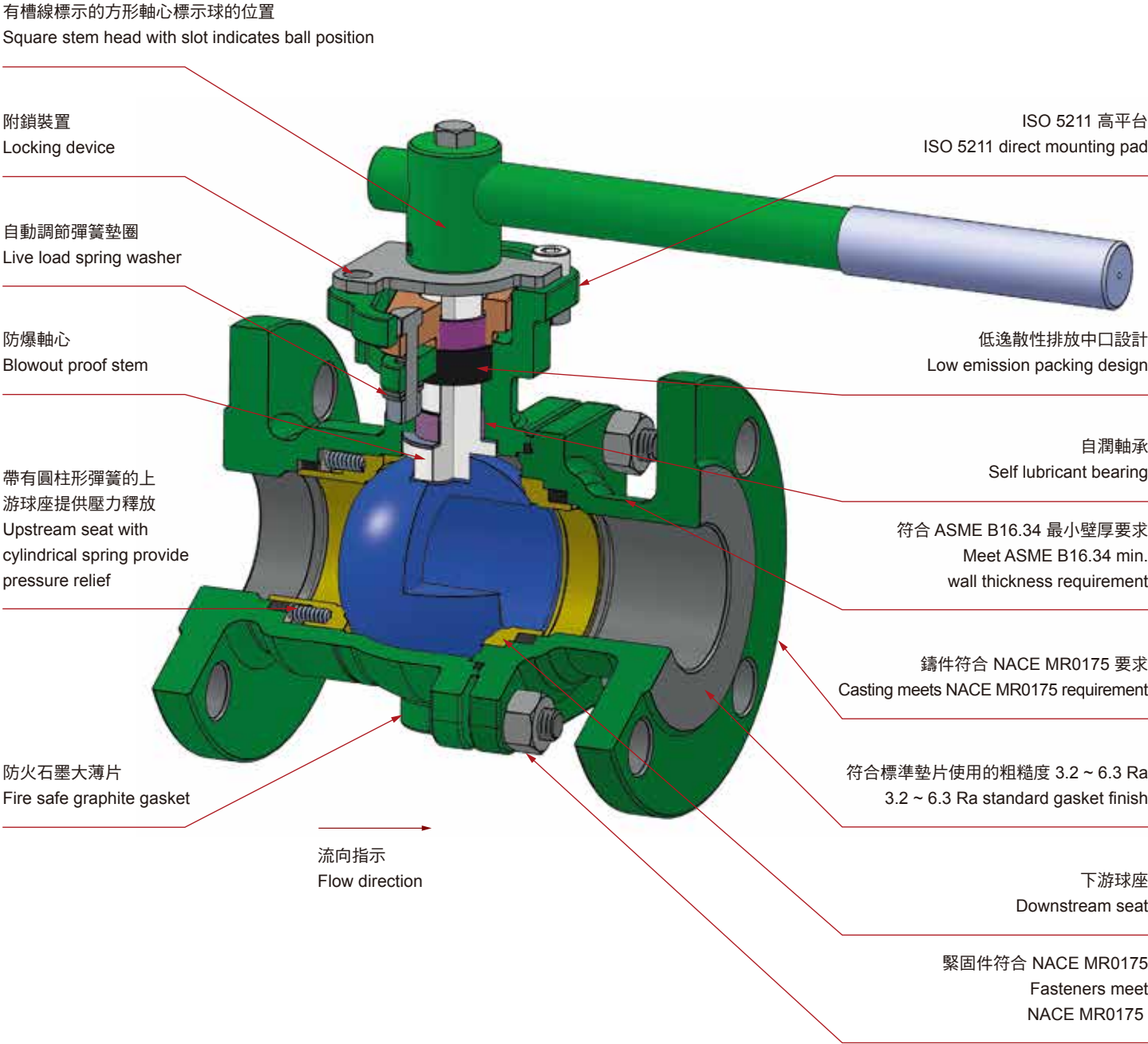
339 / 339延長軸心 Extension Bonnet / 801 / 803 / 816 / 840

產品介紹
Product Introduction

339剖面圖

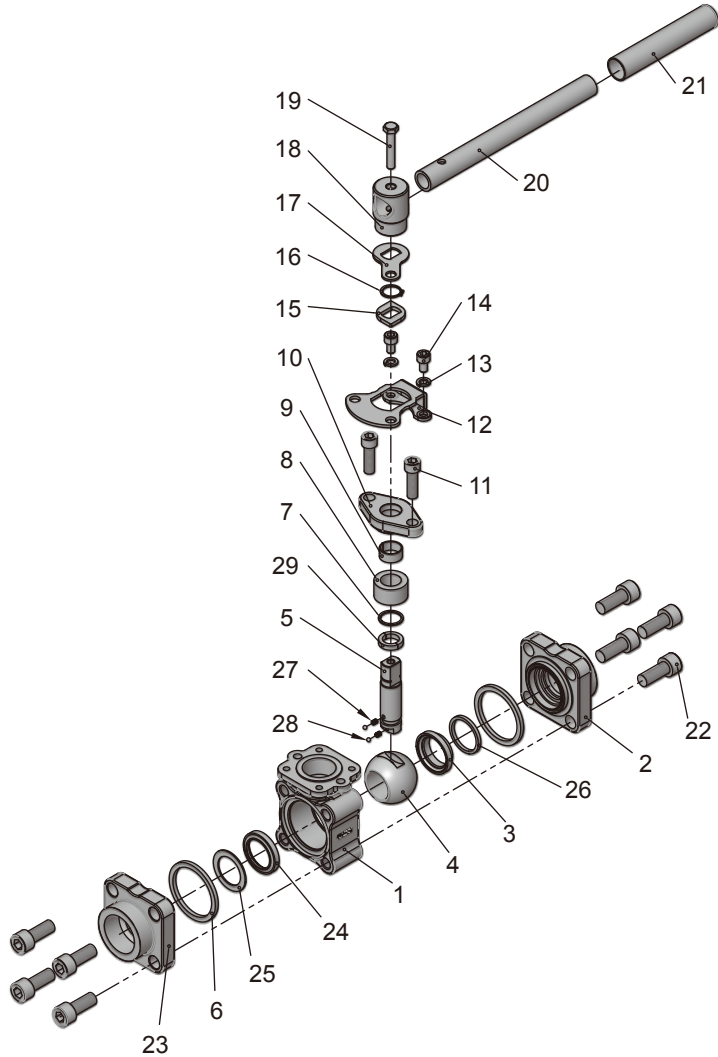


800剖面圖



物料表 MATERIAL COMPOSITION

型號 Fig. No. : 339



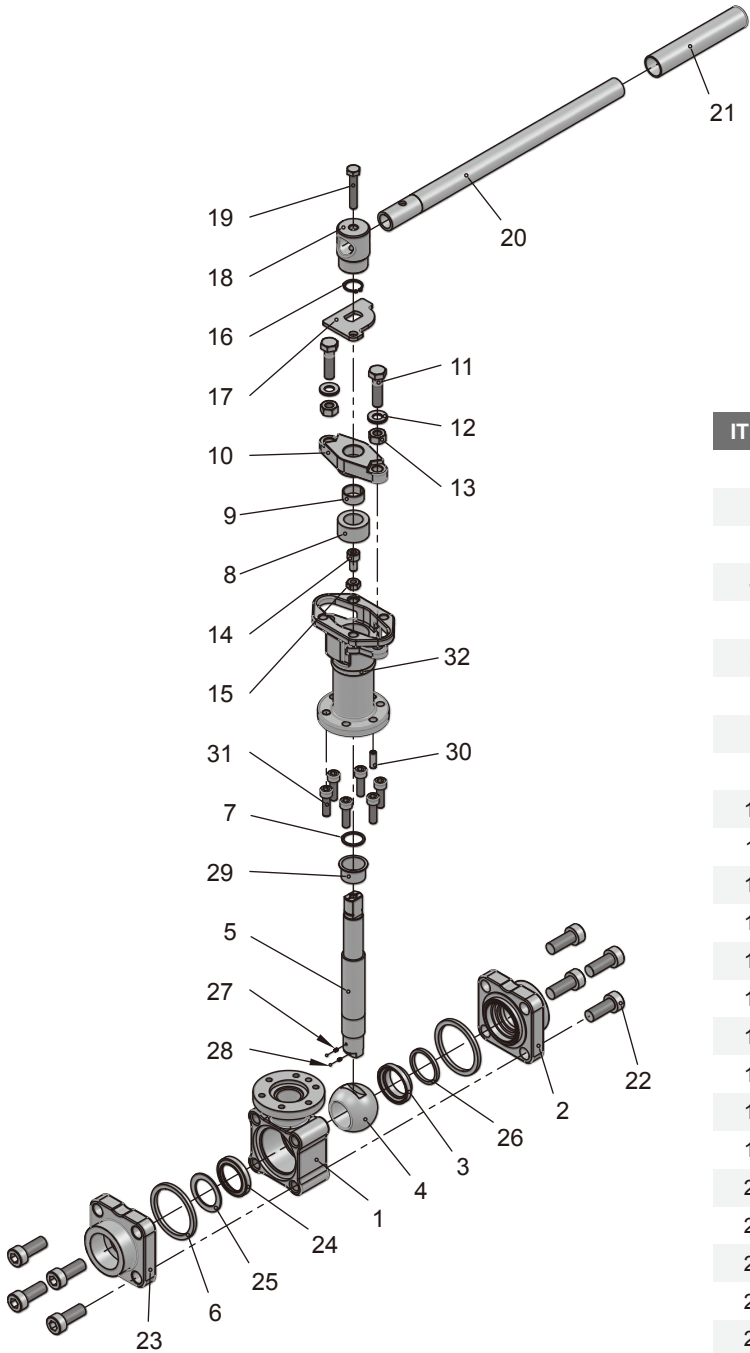
ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	Down Stream End Cap	F316	A105N
3	Down Stream Seat	SS316+STL6	SS316+STL6
4	Ball	SS316+Ni Alloy	SS316+Ni Alloy
5	Stem	17-4PH	17-4PH
6	Body Seal	GRAPHITE	GRAPHITE
7	Gasket	SS304+Nitriding	SS304+Nitriding
8	Packing	GRAPHITE	GRAPHITE
9	Stem Bearing	SS304+Nitriding	SS304+Nitriding
10	Gland Flange	A351-CF8	A351-CF8
11	Gland Bolt	SS 304	SS 304
12	Bracket	SS 304	SS 304
13	Spring Washer	SS 304	SS 304
14	Socket Screw	SS 304	SS 304
15	Stopper	SS 304	SS 304

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
16	Snap Ring	SS 420	SS 420
17	Locking Plate	SS 304	SS 304
18	T-Block	A216-WCB	A216-WCB
19	Bolts	Steel+Zn Plated	Steel+Zn Plated
20	Pipe	Steel+Zn Plated	Steel+Zn Plated
21	Pipe Cover	VINYL	VINYL
22	Bolts	A193-B8M CLASS2	A193-B7M
23	Up Stream End Cap	F316	A105N
24	Up Stream Seats	SS316+STL6	SS304+STL6
25	Disc Spring	Inconel X-750	Inconel X-750
26	Seat Gasket	GRAPHITE	GRAPHITE
27	Spring	SS 316	SS 316
28	Static Device	SS 316	SS 316
29	Stem Ring(1/2"~1" Only)	SS 316	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
We reserve the right to modify the design / specification without previous notice for better quality.

物料表 MATERIAL COMPOSITION

型號 Fig. No. : 339延長軸心 Extension Bonnet

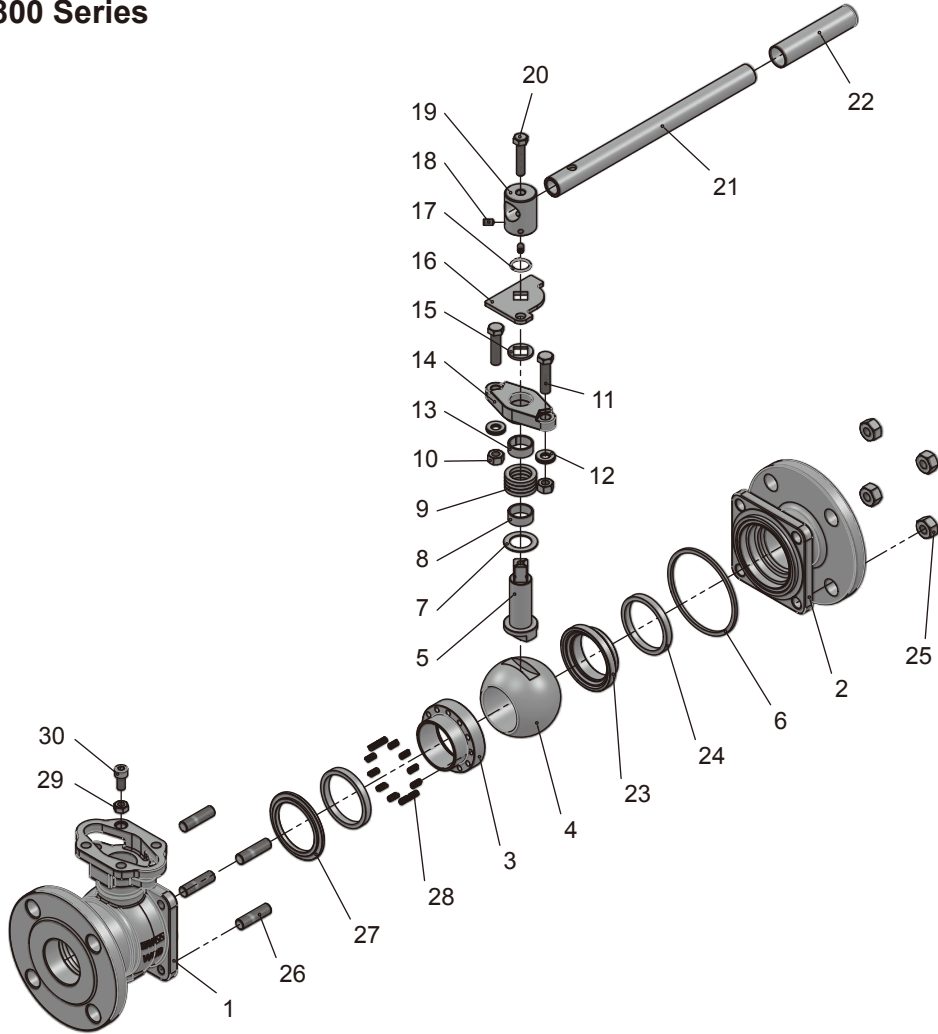


ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	Down Stream End Cap	F316	A105N
3	Down Stream Seat	SS316+STL6	SS304+STL6
4	Ball	SS316+Ni Alloy	SS314+Ni Alloy
5	Stem	17-4PH	17-4PH
6	Body Seal	GRAPHITE	GRAPHITE
7	Gasket	PTFE	PTFE
8	Packing	GRAPHITE	GRAPHITE
9	Stem Bearing	SS304+Nitriding	SS304+Nitriding
10	Gland Flange	A351-CF8	A351-CF8
11	Gland Bolt	SS 304	SS 304
12	Spring Washer	SS 304	SS 304
13	Gland Nut	SS 304	SS 304
14	Stop Screw	SS 304	SS 304
15	Stop Nut	SS 304	SS 304
16	Snap Ring	SS 420	SS 420
17	Locking Plate	SS 304	SS 304
18	T-Block	A216-WCB	A216-WCB
19	Bolts	Steel+Zn Plated	Steel+Zn Plated
20	Pipe	Steel+Zn Plated	Steel+Zn Plated
21	Pipe Cover	VINYL	VINYL
22	Bolts	A193-B8M CLASS2	A193-B7M
23	Up Stream End Cap	F316	A105N
24	Up Stream Seats	SS316+STL6	SS304+STL6
25	Disc Spring	Inconel X-750	Inconel X-750
26	Seat Gasket	GRAPHITE	GRAPHITE
27	Spring	SS 316	SS 316
28	Static Device	SS 316	SS 316
29	Bearing	SS304+Nitriding	SS304+Nitriding
30	Spring Pin	SS 304	SS 304
31	Stud	A193-B8M CLASS2	A193-B7M
32	Bracket	A351-CF8M	A216-WCB

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : 800 Series

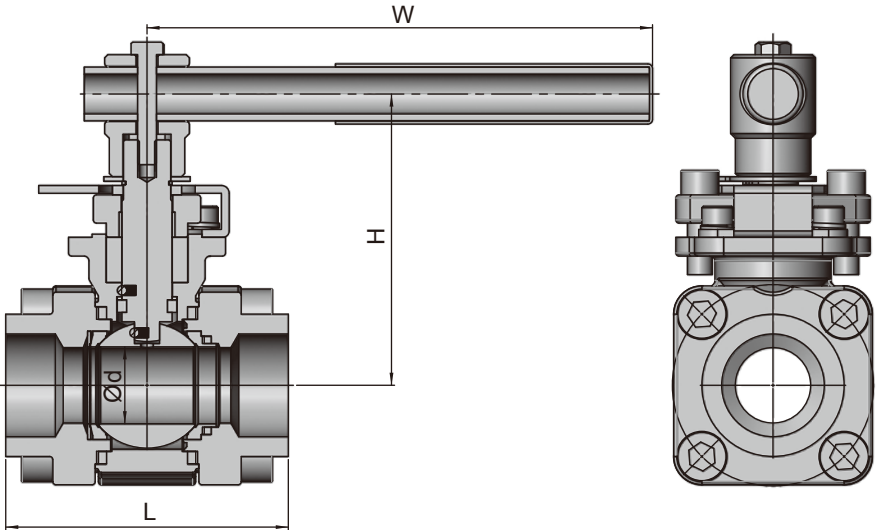


ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Cap	A351-CF8M	A216-WCB
3	Body Seat	SS316+Stellite #6	SS304+Stellite #6
4	Ball	SS316+Ni Alloy	SS304+Ni Alloy
5	Stem	XM-19	17-4PH
6	Body Seal	316L+GRAPHITE	316L+GRAPHITE
7	Gasket	316L+Nitriding	316L+Nitriding
8	Packing	GRAPHITE	GRAPHITE
9	Stem Bearing	PTFE	PTFE
10	Gland Nuts	SS 304	SS 304
11	Gland Bolt	SS 304	SS 304
12	Belleville Spring Washer	SS 301	SS 301
13	Gland Bush	SS316+Nitriding	SS304+Nitriding
14	Gland Flange	A351-CF8	A351-CF8
15	Sleeve	SS 304	SS 304

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
16	Locking Plate	SS 304	SS 304
17	Snap Ring	SS 420	SS 420
18	Set Screw	SS 304	SS 304
19	T-Block	A216-WCB	A216-WCB
20	Hex Bolt	Steel+Zn Plated	Steel+Zn Plated
21	Pipe	Steel+Zn Plated	Steel+Zn Plated
22	Pipe Cover	VINYL	VINYL
23	Hex Bolt	Steel+Zn Plated	Steel+Zn Plated
24	End Cap Seats	SS316+Stellite #6	SS304+Stellite #6
25	Nuts	A194-2HM	A194-8M
26	Bolts	A193-B7M	A193-B8M
27	Seat Seal Packing Ring	SUS316	SUS316
28	Spring	INCONEL X-750	INCONEL X-750
29	Locking Nut	SS 304	SS 304
30	Locking Screw	SS 304	SS 304

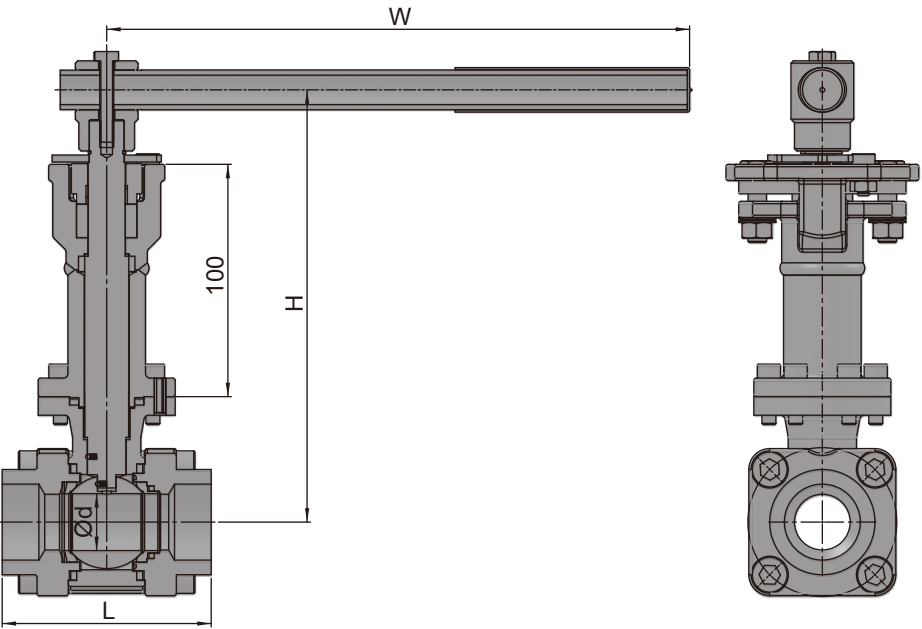
* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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尺寸圖 DIMENSION LIST



339 (Class 800)

SIZE	d	L	W	H	ISO5211
1/2"	16	75	135	79	F05
3/4"	20	80	135	81.35	F05
1"	24.5	90	160	91.2	F05
1-1/2"	38	120	230	117.1	F07
2"	50	140	230	134.6	F07

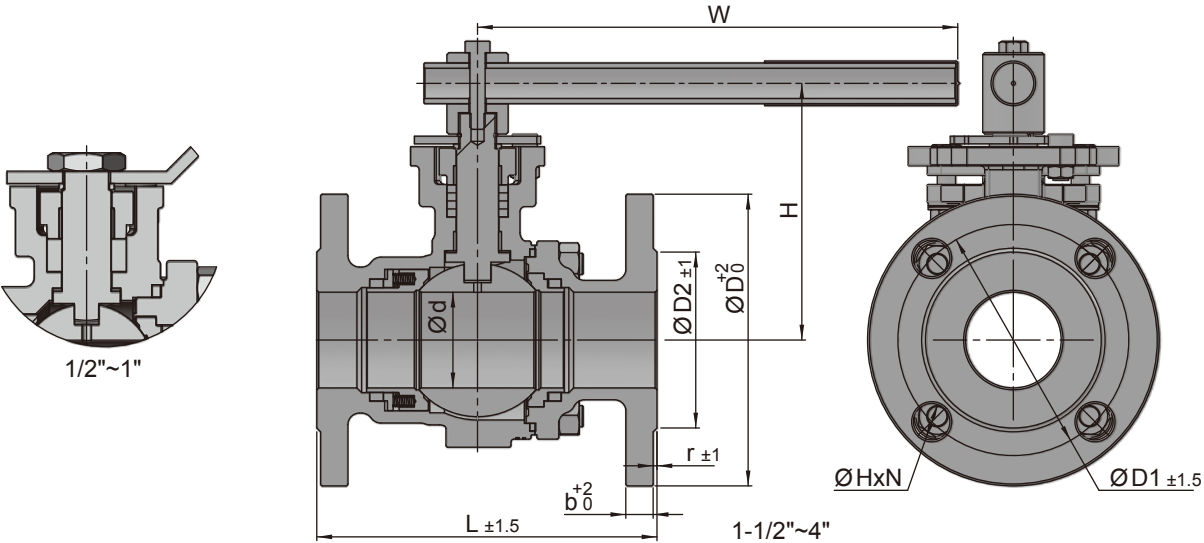


339延長軸心 Extension Bonnet

SIZE	d	L	W	H	ISO5211
1/2"	16	75	180	172.3	F05
3/4"	20	80	180	174.8	F05
1"	24.5	90	230	186.1	F05
1-1/2"	38	120	450	220.7	F07
2"	50	140	450	230.2	F07

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尺寸圖 DIMENSION LIST



801 (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	34.9	60.3	89	9	2	108	1/2"-13UNC	186.5	98.2	F05
3/4"	20	42.9	69.9	99	9.5	2	117	1/2"-13UNC	186.5	98.2	F05
1"	25	50.8	88.9	108	9.7	2	127	16x4	186.5	98.2	F05
1-1/2"	38	73	98.5	127	12.7	2	165	16x4	250	111.6	F07
2"	50	91.9	120.7	152	14.2	2	178	19x4	250	134.1	F07
3"	76.2	127	152.4	190	17.5	2	203	19x4	420	173.6	F10
4"	100	157.2	190.5	229	22.4	2	229	19x8	560	205	F10

803 (Class 300)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	34.9	66.7	95	12.7	2	140	16x4	186.5	98.2	F05
3/4"	20	42.9	82.6	117	14.2	2	152	19x4	186.5	98.2	F05
1"	25	50.8	88.9	124	15.7	2	165	19x4	186.5	98.2	F05
1-1/2"	38	73	114.3	155	19	2	190.5	22x4	250	111.85	F07
2"	50	91.9	127	165	20.6	2	216	19x8	250	134.4	F07
3"	76.2	127	168.3	210	26.9	2	283	22x8	486	184.3	F10
4"	100	157.2	200	254	30.2	2	305	22x8	1100	224.3	F12

840 (PN40)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	45	65	95	14	2	130	14x4	186.5	98.2	F05
3/4"	20	58	75	105	16	2	150	14x4	186.5	98.2	F05
1"	25	68	85	115	16	2	160	14x4	186.5	98.2	F05
1-1/2"	38	88	110	150	15	3	200	18x4	250	111.9	F07
2"	50	102	125	165	17	3	230	18x4	250	134.4	F07
3"	76.2	138	160	200	21	3	280	18x8	486	184.3	F10
4"	100	162	190	235	21	3	300	22x8	1100	224.3	F12

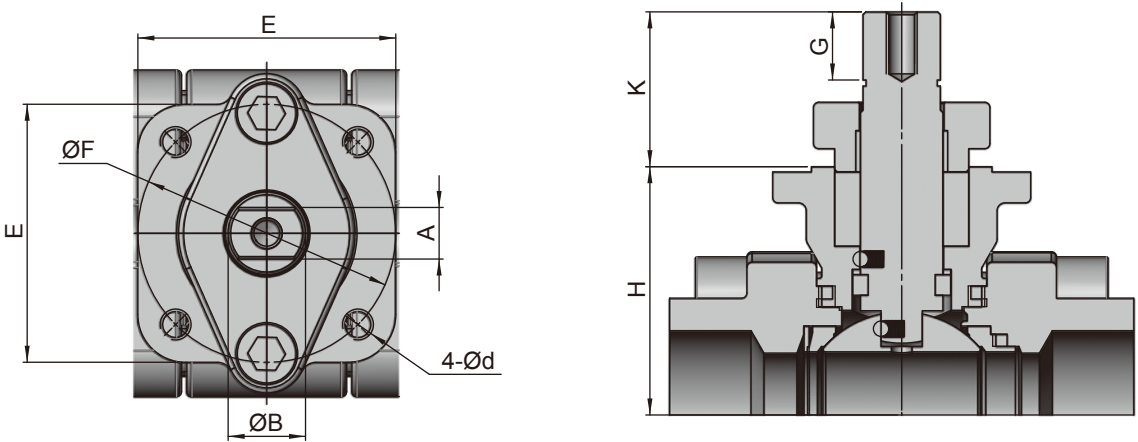
816 (PN16)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
2-1/2"	63.5	122	145	185	15	3	270	18x4	420	163.1	F10
3"	76.2	138	160	200	17	3	280	18x8	420	173.6	F10
4"	100	158	220	220	17	3	300	18x8	560	205	F10

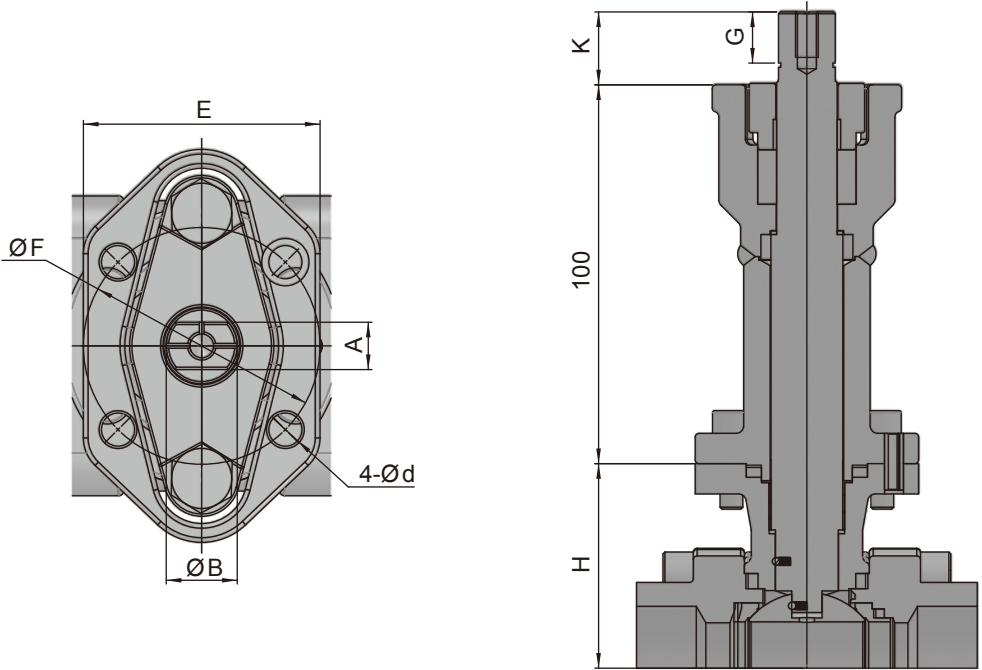
* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD

平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD

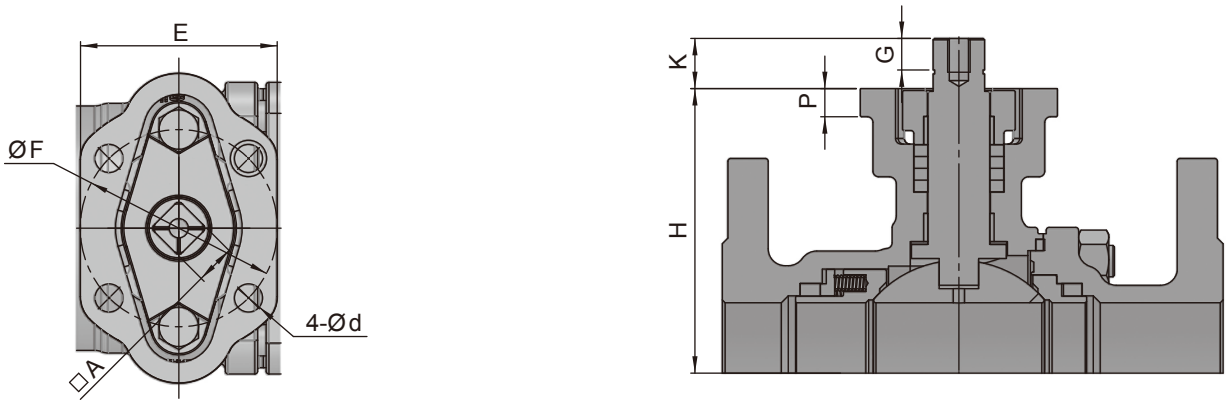


SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12	M6	47.5	50	8.4	23.2	37.55	F05
3/4"	8	12	M6	50.7	50	8.4	23.2	39.95	F05
1"	10	15	M6	50	50	13.2	30	48.1	F05
1-1/2"	14	19	M8	75.5	70	16.3	39.8	60.85	F07
2"	14	19	M8	75.5	70	16.3	44.6	73.5	F07



SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12	7	50	50	9	14.2	40.5	F05
3/4"	8	12	7	50	50	9	14.2	43	F05
1"	10	15	7	50	50	13.5	19.3	54	F05
1-1/2"	14	19	10	75.5	70	18.5	38.4	68	F07
2"	14	19	10	75.5	70	18.5	38.4	77.5	F07

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SIZE	A	P	d	E	F	G	K	H	ISO5211
1/2"	11	7	7	50	50	-	10.6	60.3	F05
3/4"	11	7	7	50	50	-	10.6	60.3	F05
1"	11	7	7	50	50	-	10.6	60.3	F05
1-1/2"	14	8	10	70	70	10.8	17.35	78.9	F07
2"	14	10	10	70	70	11.2	17.8	101	F07
3"	17	13	12	100	102	13.7	20.2	134.4	F10
4"	22	13	12	100	102	15.1	22.2	156.8	F10

SIZE	A	P	d	E	F	G	K	H	ISO5211
1/2"	11	7	7	50	50	-	10.6	60.3	F05
3/4"	11	7	7	50	50	-	10.6	60.3	F05
1"	11	7.7	7	50	50	-	10.6	60.3	F05
1-1/2"	14	9	10	70	70	10.8	17.4	78.9	F07
2"	14	10.8	10	70	70	11.2	17.8	101	F07
3"	22	13	12	100	102	15.2	22.9	137	F10
4"	27	13	14	113.4	125	19.6	27.2	170.2	F12

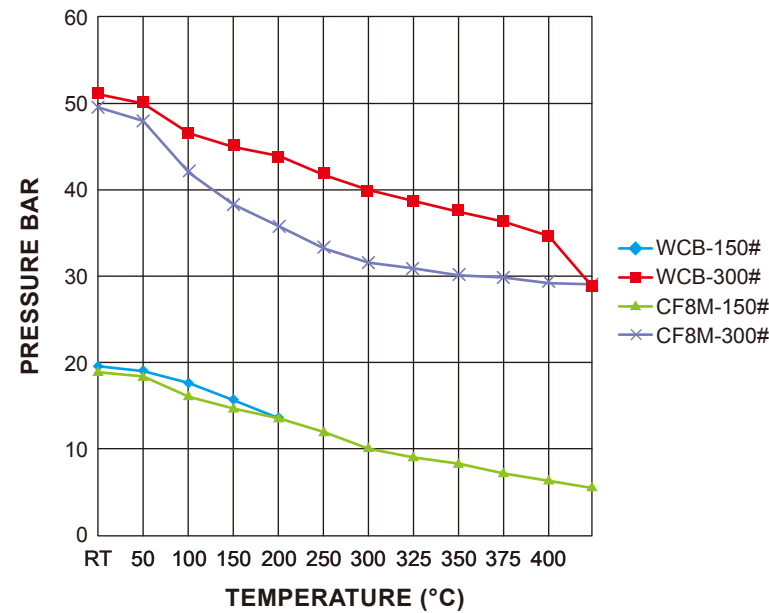
SIZE	A	P	d	E	F	G	K	H	ISO5211
1/2"	11	7	7	50	50	-	110.6	60.3	F05
3/4"	11	7	7	50	50	-	10.6	60.3	F05
1"	11	7.7	7	50	50	-	10.6	60.3	F05
1-1/2"	14	9	10	70	70	10.8	17.4	78.9	F07
2"	14	10.8	10	70	70	11.2	17.8	101	F07
3"	22	13	12	100	102	15.2	22.9	137	F10
4"	27	13	14	113.4	125	19.6	27.2	170.2	F12

SIZE	A	P	d	E	F	G	K	H	ISO5211
2-1/2"	17	13	12	100	102	13.7	20.2	123.9	F10
3"	17	13	12	100	102	13.7	20.2	134.4	F10
4"	22	13	12	100	102	15.1	22.2	156.8	F10

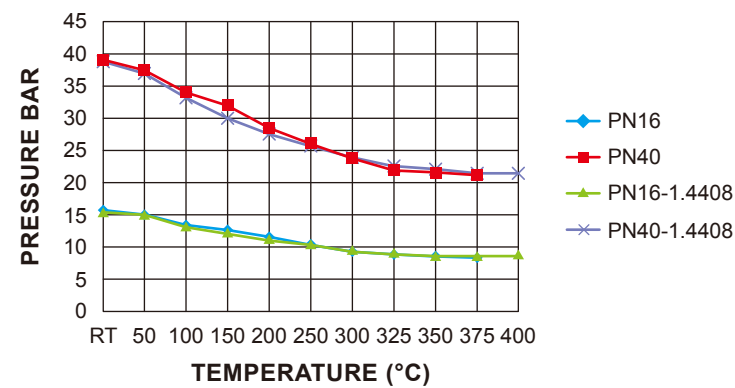
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溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 801, 803



型號 Fig. No. : 816, 840

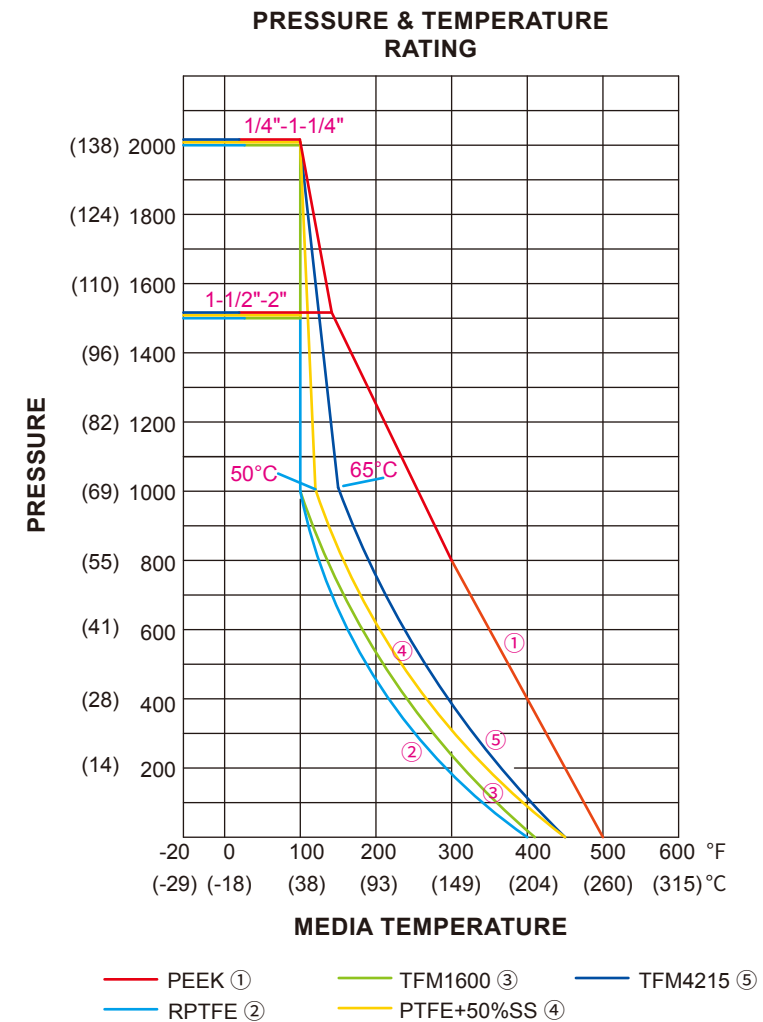


Remark:

1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
3. Final selection of seat material is the user's choice, experience & responsibility.
4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 339



Remark:

1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
3. Final selection of seat material is the user's choice, experience & responsibility.
4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature



SERIES

高壓鍛造固定式球閥
High Pressure Forged Trunnion Ball Valve

應用 APPLICATIONS

石油與天然氣管道、石油和天然氣運輸、天然氣配送、儲氣廠、石化、化學和加工廠。
Oil & Gas Pipelines, Transportation of Oil and Gas, Gas Distribution, Gas Storage Plant, Petrochemical, Chemical and Process Plants.

技術資料 TECHNICAL DATA

設計 / 尺寸 Design / Size	ASME B16.34, API 6D/ISO 14313 2" ~ 12"
壓力等級 Pressure Rating	ASME Class 600, 900, 1500
端口 End Connections	法蘭端 Flanged End
產品檢測 Testing	API 6D, API 598
流量 Bore	全流量 Full Bore
認證 Certificate	API 607 ISO 15848-1

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 易燃和非易燃應用的逸散性洩漏控制。可應要求提供。
- 閥門逸散性排放能力通過 ISO 15848-1 第三方認證。可應要求提供。
- 可使用於執行器的 ISO 平台架。
- 防火認證 API 607。
- 較低的操作扭力，便於操作並降低執行器成本。
- 防爆軸心。
- 可符合 NACE MR0175。
- 可使用附鎖裝置。
- 防靜電裝置。
- 體端及軸心皆具雙重密封功能。
- 標準規格附有塞頭可用來區別是否有閥座洩漏，或者在需要時作為洩放流體的功能。
- 標準規格及具有雙關&雙洩放功能和自行洩壓閥座。
- 4" 以下標準規格提供閥腔密封劑填充系統，6" 以上閥座密封劑填充系統可應要求提供。
- 根據 ISO 9001 認證的質量體系製造。
- 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。
- 每個球座選項將滿足廣泛的性能，適用於許多應用：
- RPTFE
- Devlon V
- PEEK
- Nylon PA12
- * 請參考溫壓圖

- Superior valve design at a competitive price.
- Fugitive emissions control for flammable and non-flammable applications. Available on request.
- Valve fugitive emissions capability third-party certified to ISO 15848-1. Available on request.
- Machined ISO actuator mounting pad.
- Fire test certified to API 607.
- Lower operating torque for ease of operation and reduced actuator cost.
- Blowout-proof shaft.
- NACE MR0175 is available.
- Locking device is available.
- Anti-Static Device.
- Double Barrier Seals for body to end connections and stem sealing.
- A drain plug is fitted as standard to verify valve seat leakage or to drain the valve if required.
- Double block & bleed function and self-relieving seats is standard.
- Cavity sealant system for 4" and below as standard, seat sealant system for 6" and above as optional available on request.
- Manufactured under ISO 9001 certified quality system.
- Various seat materials are available.
- In addition to standard seat material, following variety is available.
- Each material option will meet a wide range of performance, suitable for many applications.
- PTFE
- Devlon V
- PEEK
- Nylon PA12
- * Please refer to the Pressure-Temperature rating.

MODEL

906 / 909 / 915

產品介紹

Product Introduction

906剖面圖

附鎖裝置
Locking device

主要的
做為高完整性密封的雙重屏障
Primary dynamic
Viton-AED O-ring as
double barrier for high
integrity sealing

自潤軸承
Self-lubricating
bearings

實心鍛造球
Solid forged ball

球座加載彈簧
Seat loading spring

尺寸小於等於100mm為閥腔注脂裝置
尺寸大於等於150mm，每個球座配有注脂裝置
Sealant injection facility for ≤100mm. For ≥150mm,
each seat is fitted with a sealant injection facility

鍛造三片式閥體
Forged 3-piece body

石墨防火中口
Graphite fire-safe stem packing

防爆軸心
Anti blow-out stem

防火牆、金屬對金屬接觸和第二道密封
Lip for fire-safe, metal to
metal contact & secondary sealing

全流
Full port

軟密封球座
Soft seat insert

第二道石墨防火密封
Static secondary graphite fire safe seals



球閥
BALL VALVE

SERIES

高壓鍛造固定式球閥
High Pressure Forged Trunnion Ball Valve

MODEL

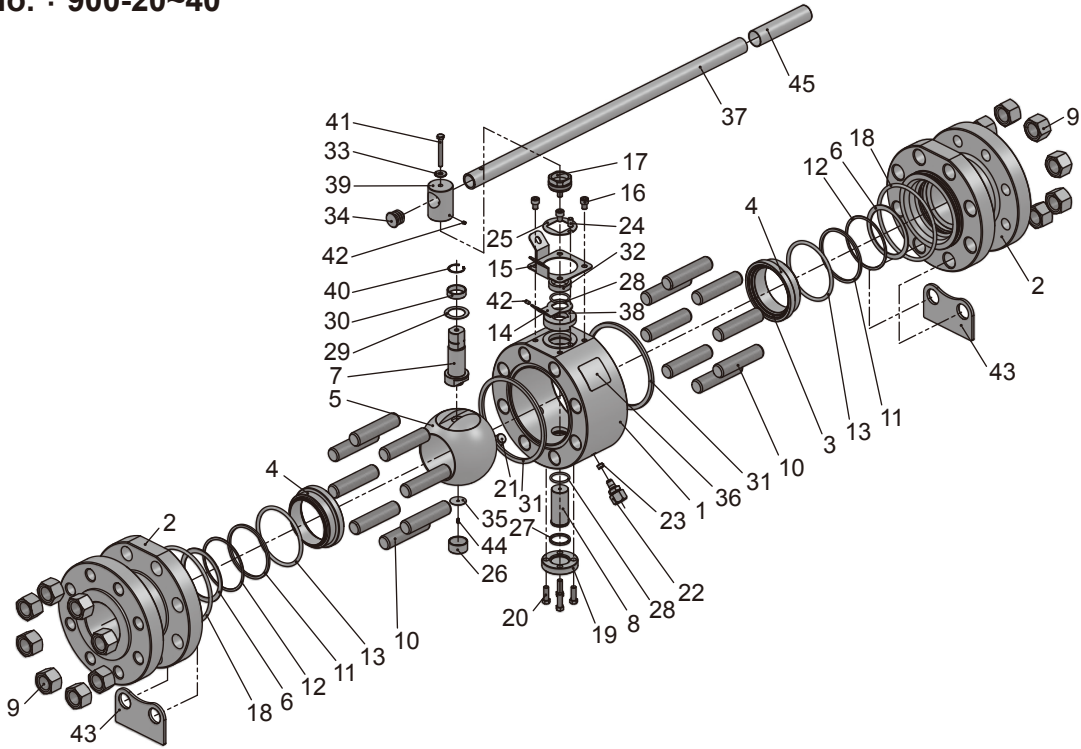
906 / 909 / 915

產品介紹

Product Introduction

物料表 MATERIAL COMPOSITION

型號 Fig. No. : 900-20~40



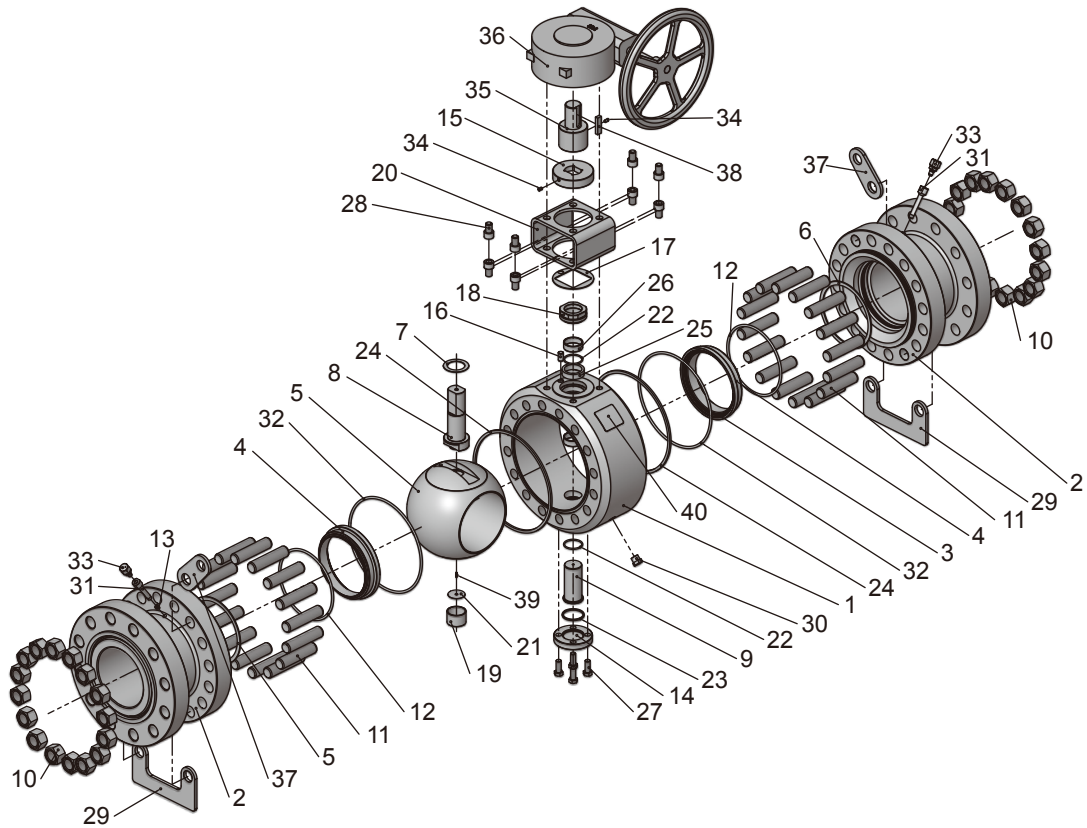
ITEM	PART NAME	MATERIALS	ITEM	PART NAME	MATERIALS
1	Body	A350-LF2	24	Stop Pin	SS 304
2	End Flange	A350LF2	25	Stop Plate A	SS 316
3	Seat Insert	PTFE+15%G.F	26	Stem Self-Lubricating Bearing	304+PTFE
4	Seat Ring	A182-F6A	27	Lower Stem Packing	GRAPHITE
5	Ball	A182-F316	28	Stem O-ring	VITON
6	Seat Spring	INCONEL X-750	29	Upper Stem Thrust Gasket	PTFE
7	Upper Stem	SS 410	30	Stem Self-Lubricating Bearing	304+PTFE
8	Lower Stem	SS 410	31	Body Graphite Gasket	GRAPHITE
9	Nut	A194-Gr7M+ZBC	32	Stem Packing	GRAPHITE
10	Stud Bolt	A350-L7M+ZBC	33	Flat Washer	SS 304
11	Seat Gasket	GRAPHITE	34	Cover	PLASTIC
12	Support Washer	SS 304	35	Lower Stem Thrust Washer	PTFE
13	Seat Ring O-ring	VITON	36	Name Plate	SS 304
14	Stop Plate A	SS 304	37	Lever Handle	STEEL
15	Stop Plate B	SS 304	38	Stop Plate B	A350-LF2
16	Screw	SS 304	39	Block	S45C
17	Packing Gland Adjuster	SS 304	40	Snap C-Ring	SS 420
18	Body Flange O-ring	VITON	41	Screw	C.S.
19	Bottom Cap	A350-LF2	42	Slotted Grub Screw	SS 304
20	Hexagonal Screw	SS 304	43	Base Plate	SS 302
21	Threaded Body Plug	A350-LF2	44	Anti-Static Spring	SS 302
22	Vented Cap Body Grease Fitting	A350-LF2	45	Casing	PLASTIC
23	Safety Valve	S.STEEL			

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : 900-60~80



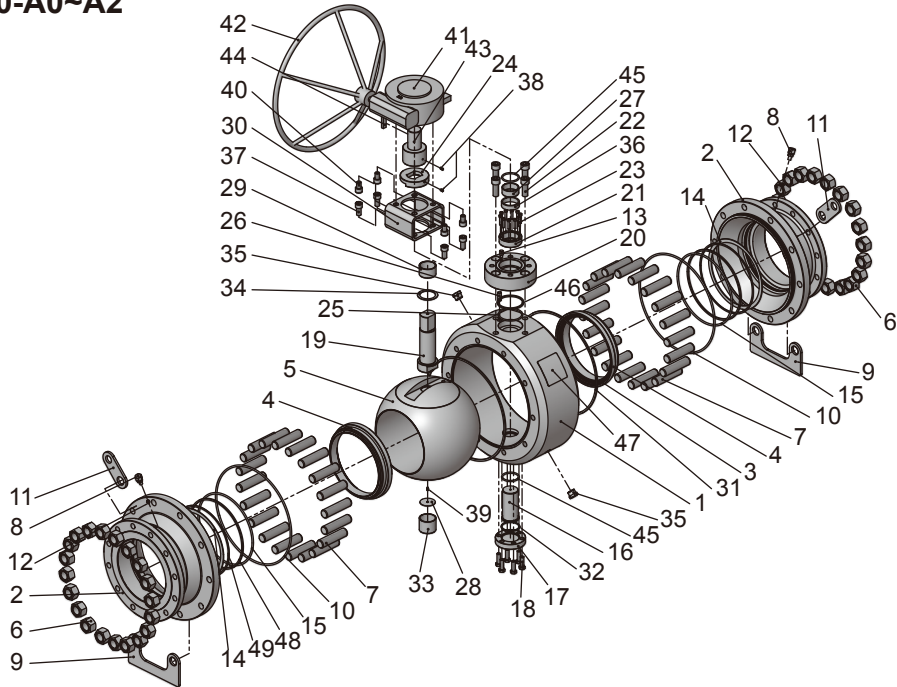
ITEM	PART NAME	MATERIALS	ITEM	PART NAME	MATERIALS
1	Body	A350-LF2	21	Lower Stem Thrust Gasket	PTFE
2	End Flange	A350-LF2	22	Stem O-ring	VITON
3	Seat Insert	DEVLON V	23	Lower Stem Packing Gasket	GRAPHITE
4	Seat Ring	A182-F6A	24	Body Graphite Gasket	GRAPHITE
5	Ball	A182-F316	25	Stem Packing	GRAPHITE
6	Seat Spring	INCONEL X-750	26	Stem Self-Lubricating Bearing	304+PTFE
7	Upper Stem Thrust Washer	PTFE	27	Hexagonal Screw	SS 304
8	Upper Stem	SS 410	28	Socket Head Cap Screw	SS 304
9	Lower Stem	SS 410	29	Base Plate	S45C
10	Nut	A194-Gr7M+ZBC	30	Threaded Body Plug	A350-LF2
11	Stud Bolt	A350-L7M+ZBC	31	Sealant Fitting Extension	S.STEEL
12	Seat Ring O-ring	VITON	32	Body Flange O-ring	VITON
13	Safety Valve	S.STEEL	33	Vented Cap Body Grease Fitting	A350-LF2
14	Bottom Cap	A350-LF2	34	Slotted Grub Screw	SS 316
15	Stop Plate	A350-LF2	35	Drive Adapter	S45C
16	Stop Pin	SS 304	36	Gear Operator	FC
17	Stop Plate	A350-LF2	37	Lifting Plug	S45C
18	Packing Gland	SS 304	38	Key	S45C
19	Self-Lubricating Stem Bearing	304+PTFE	39	Anti-Static Spring	SS 302
20	Mounting Bracket	STEEL	40	Name Plate	SS 304

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : 900-A0~A2



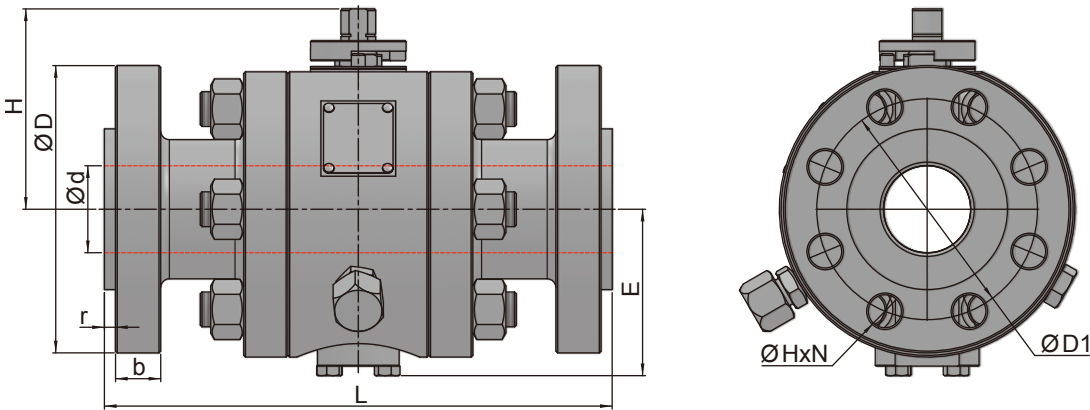
ITEM	PART NAME	MATERIALS
1	Body	A350-LF2
2	End Flange	A350-LF2
3	Seat Insert	DEVLON V
4	Seat Ring	A182-F6A
5	Ball	A182-F316
6	Nut	A194Gr-7M+ZBC
7	Stud Bolt	A350-L7M+ZBC
8	Vented Cap Body Grease Fitting	A350-LF2
9	Base Plate	S45C
10	Body Flange O-Ring	VITON
11	Lifting Plug	STEEL
12	Safety Valve	SS 304
13	Stop Pin	SS 304
14	Seat Spring	INCONEL X-750
15	Seat Ring O-ring	VITON
16	Lower Stem	SS 410
17	Bottom Cap	A350-LF2
18	Hexagonal Screw	SS 304
19	Upper Stem	SS 410
20	Packing Gland Flange	A350-LF2
21	Collar Bush	A350-LF2
22	Socket Head Cap Screws	SS 304
23	Socket Head Cap Screws	SS 304
24	Stop Plate	SS 316
25	Stem O-ring	VITON

ITEM	PART NAME	MATERIALS
26	Packing Gland Lock Pin	SS 410
27	Stem Self-Lubricating Bearing	304+PTFE
28	Lower Stem Thrust Gasket	PTFE
29	Stem Self-Lubricating Bearing	304+PTFE
30	Mounting Bracket	STEEL
31	Body Graphite Gasket	GRAPHITE
32	Lower Stem Packing Gasket	GRAPHITE
33	Stem Self-Lubricating Bearing	304+PTFE
34	Upper Stem Thrust Gasket	304+PTFE
35	Threaded Body Plug	A350-LF2
36	Stem Packing	GRAPHITE
37	Socket Head Cap Screws	SS 304
38	Slotted Grub Screw	SS 304
39	Anti-Static Spring	SS 302
40	Socket Head Cap Screws	SS 304
41	Gear Operator	FC
42	Hand Wheel	S.STEEL
43	Drive Adapter	S45C
44	Key	S45C
45	Stem O-ring	VITON
46	Packing Gland Gasket	GRAPHITE
47	Name Plate	SS 304
48	Gasket Seat	GRAPHITE
49	Support Washer	SS 304

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尺寸圖 DIMENSION LIST



906 (Class 600 / ISO PN100)

DN		d	L	D1	D	H	E	ØH-N	b	r
Inch	mm	mm	Face to Face (mm) RF	mm	mm	mm	mm	mm	mm	mm
2	50	50	292	127	165	115	95.5	19x8	25.4	6.4
3	80	76	356	168.1	210	151	126.3	22x8	31.8	6.4
4	100	100	432	215.9	273	192.5	157	25x8	38.1	6.4
6	150	150	559	292.1	356	265	198.8	28x12	47.8	6.4
8	200	201.4	660	349.2	419	334.5	261	32x12	55.6	6.4
10	250	252.4	787	431.8	508	378.5	307	35x16	63.5	6.4
12	300	303.4	838	489	559	444.2	361	35x20	66.5	6.4

909 (Class 900 / ISO PN150)

DN		d	L	L	D1	D	H	E	ØH-N	b	r
Inch	mm	mm	Face to Face (mm) RF	Face to Face (mm) RTJ	mm	mm	mm	mm	mm	mm	mm
2	50	50	368	371	165.1	216	115	95.5	25x8	38.1	6.4
3	80	76	381	384	190.5	241	151	126.3	25x8	38.1	6.4
4	100	100	457	460	235	292	192.5	157	32x8	44.5	6.4
6	150	150	610	613	317.5	381	265	198.8	32x12	55.6	6.4
8	200	201.4	737	740	393.7	470	334.5	261	32x12	63.5	6.4
10	250	252.4	838	841	469.9	546	403.2	335	38x16	69.8	6.4
12	300	303.4	965	968	533.4	610	476	411	38x20	79.2	6.4

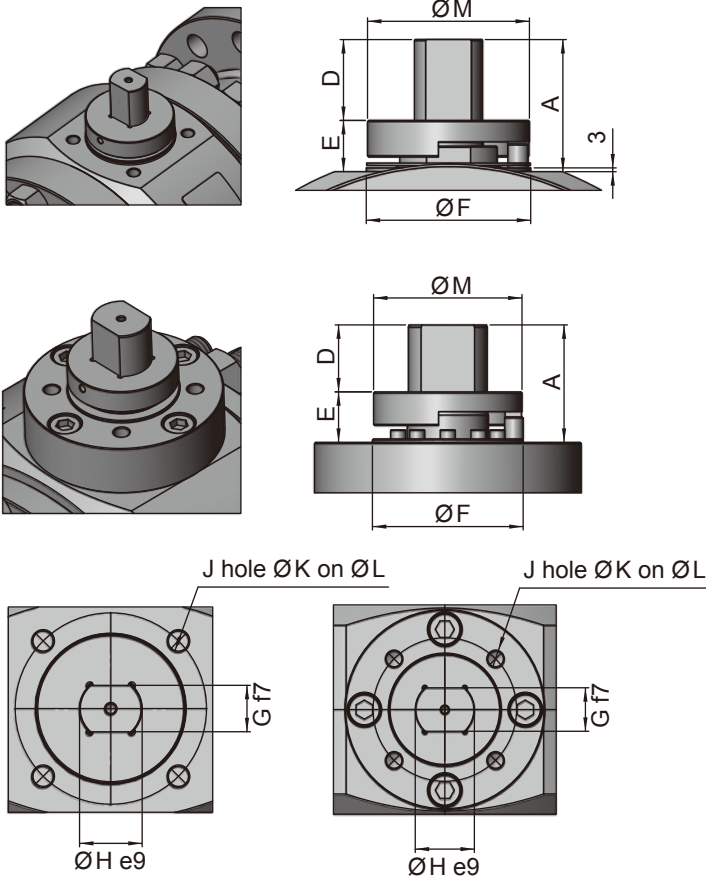
915 (Class 1500 / ISO PN250)

DN		d	L	L	D1	D	H	E	ØH-N	b	r
Inch	mm	mm	Face to Face (mm) RF	Face to Face (mm) RTJ	mm	mm	mm	mm	mm	mm	mm
2	50	50	368	371	165.1	216	129.2	107	25x8	38.1	6.4
3	80	76	470	473	190.5	267	182.5	152	32x8	47.8	6.4
4	100	100	546	549	241.3	311	225	185	35x8	53.8	6.4
6	150	150	705	711	317.5	394	304	235	38x12	82.6	6.4
8	200	201.4	832	838	393.7	483	379.2	328	44x12	91.9	6.4
10	250	252.4	991	1000	482.6	584	435	390	51x12	108	6.4
12	300	303.4	1130	1146	571.5	673	494	460	54x16	124	6.4

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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



EA906 (Class 600)

FB	RB	A	D	E	F	G	H	J	K	L	M	ISO5211
2"x2"	3"x2"	36.2	18.3	17.9	55.0	17.0	20.0	4	M8	70	55	F07
3"x3"	4"x3"	48.8	26.0	22.8	55.0	19.0	23.9	4	M8	70	55	F07
4"x4"	6"x4"	54.3	27.0	27.3	70.0	27.0	32.9	4	M10	102	68	F10
6"x6"	8"x6"	73.4	38.0	35.4	100.0	36.0	43.9	4	M16	140	98	F14
8"x8"	10"x8"	97.0	55.6	41.4	130.0	40.0	53.9	4	M20	165	128	F16
10"x10"	12"x10"	102.2	64.1	38.1	130.0	40.0	53.9	4	M20	165	128	F16
12"x12"	14"x12"	101.5	57.7	43.8	130.0	50.0	68.0	4	M20	165	128	F16

EA909 (Class 900)

FB	RB	A	D	E	F	G	H	J	K	L	M	ISO5211
2"x2"	3"x2"	36.2	18.3	17.9	55.0	17.0	20.0	4	M8	70	55	F07
3"x3"	4"x3"	48.8	26.0	22.8	55.0	19.0	23.9	4	M8	70	55	F07
4"x4"	6"x4"	54.3	27.0	27.3	70.0	27.0	32.9	4	M10	102	68	F10
6"x6"	8"x6"	73.4	38.0	35.4	100.0	36.0	43.9	4	M16	140	98	F14
8"x8"	10"x8"	105.3	63.9	41.4	130.0	40.0	53.9	4	M20	165	128	F16
10"x10"	12"x10"	103.7	61.7	42.0	130.0	50.0	68.0	4	M20	165	128	F16
12"x12"	14"x12"	105.8	66.0	39.8	200.0	60.0	83.9	8	M16	254	198	F25

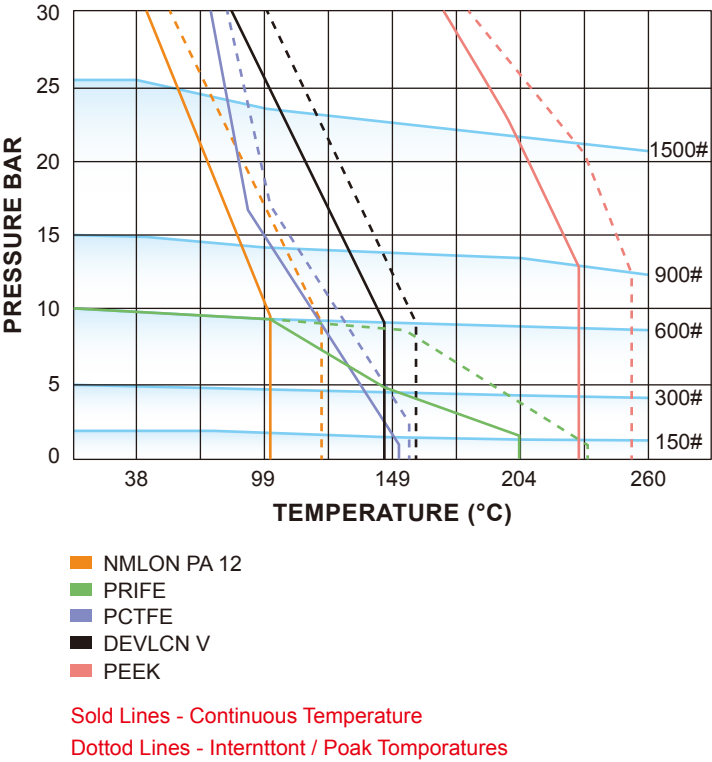
EA915 (Class 1500)

FB	RB	A	D	E	F	G	H	J	K	L	M	ISO5211
2"x2"	3"x2"	44.2	22.7	21.5	55.0	19.0	23.9	4	M8	70	55	F07
3"x3"	4"x3"	55.4	28.4	27.0	70.0	27.0	32.9	4	M10	102	68	F10
4"x4"	6"x4"	74.0	38.0	36.0	100.0	36.0	43.9	4	M16	140	98	F14
6"x6"	8"x6"	99.9	59.5	40.4	130.0	40.0	53.9	4	M20	165	128	F16
8"x8"	10"x8"	101.8	58.7	43.1	130.0	50.0	68.0	4	M20	165	128	F16
10"x10"	12"x10"	105.8	66.0	39.8	200.0	60.0	83.9	8	M16	254	198	F25

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溫度壓力曲線圖 P/T Chart



球閥
BALL VALVE

SERIES

薄餅式法蘭球閥
Wafer Flanged End Ball Valve

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, General Fluid.

技術資料 TECHNICAL DATA

設計 Design	ASME B16.34, EN12516-1
尺寸 Size	1/2" ~ 8" (DN15 ~ DN200)
壓力等級 Pressure Rating	ASME Class 150, PN16
端口 End Connections	法蘭端 Flanged End
產品檢測 Testing	API 598, EN12266-1
流量 Bore	全流量 Full Bore
認證 Certificate	API 607 ATEX TA-Luft PED 2014/68/EU 認證適用於 CE 市場的產品 PED 2014/68/EU approval for CE market product.

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
 - 可使用於執行器的 ISO 平台架。
 - 延長軸心可應要求提供。
 - RPTFE密封消除了對產品污染的擔憂。
 - 防火認證 API 607，可應要求提供。
 - 較低的操作扭力，便於操作並降低執行器成本。
 - 明確的開關位置指示。
 - 防爆軸心。
 - NACE MR0175 可應要求提供。
 - 可使用附鎖裝置。
 - 防靜電裝置。
 - 根據 ISO 9001 認證的質量體系製造。
 - 標準 CE 標示符合 PED 2014/68/EU，可應要求提供。
 - 多種球座材質可供選擇。
- 除了標準的球座，各種球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * 請參考溫壓圖

- Superior valve design at a competitive price.
 - Machined ISO actuator mounting pad.
 - Extension Bonnet is available on request.
 - RPTFE seal relieves concern over product contamination.
 - Fire test certified to API 607. Available on request.
 - Lower operating torque for ease of operation and reduced actuator cost.
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 available on request.
 - Locking device is available.
 - Anti-Static device.
 - Manufactured under ISO 9001 certified quality system.
 - CE marking according to PED 2014/68/EU standard. Available on request.
 - Various seat material are available.
- In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * Please refer to the Pressure-Temperature rating.

MODEL

501 / 505

產品介紹

Product Introduction

501剖面圖

有槽線標示的方形軸心
Square stem head with flow slot direction

自動調節彈簧墊圈
Live load spring washer

PTFE或是石墨中口
PTFE or Graphite packing

第二道O型環密封
With 2nd sealing stem O-ring

防靜電裝置
Anti-static device

小薄片
Thrust washer

符合標準墊片使用的粗糙度
3.2 ~ 6.3 Ra
standard gasket finish

鎖牙片鎖入閥體
Body insert

附鎖裝置
Locking device hole

ISO 5211 高平台
ISO 5211 direct mounting pad

防爆軸心
Blowout proof stem

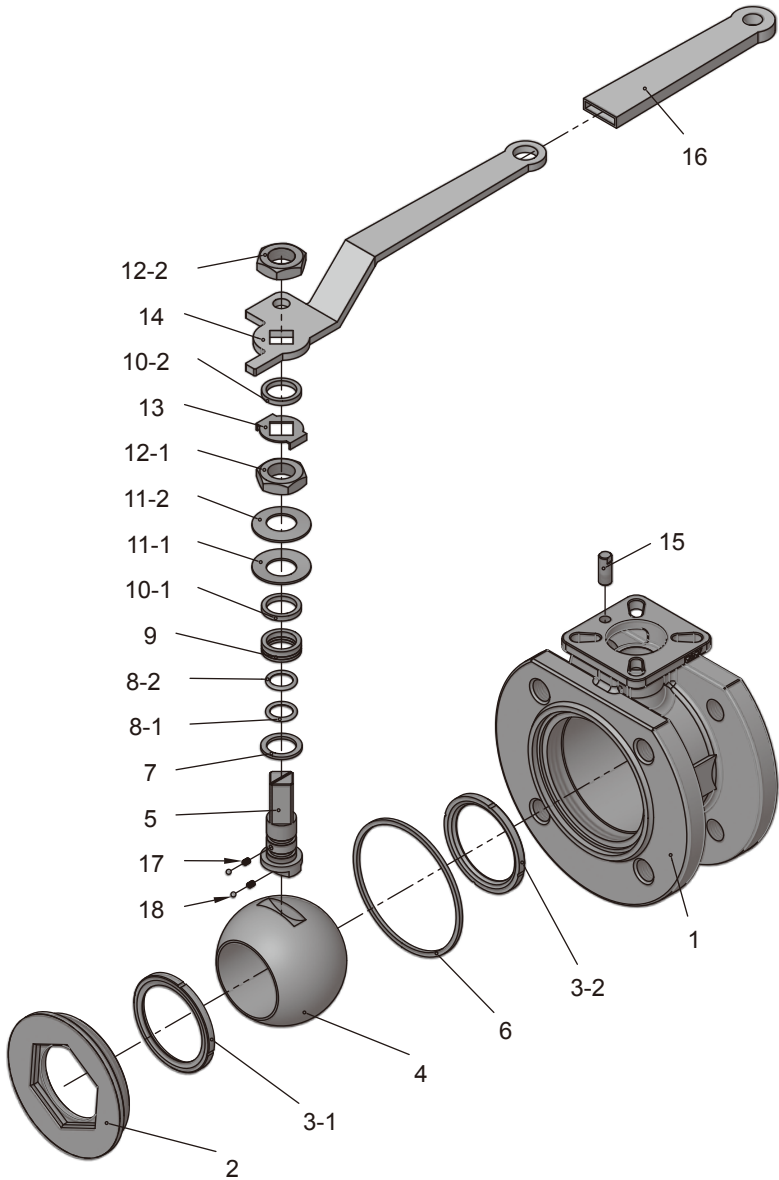
壓力平衡孔
Equalized cavity pressure

軟密封球座無洩漏密封
Soft seat bubble tight sealing

本體
Body

鑄件符合 NACE MR0175 要求
Casting meet NACE MR0175 requirement

物料表 MATERIAL COMPOSITION



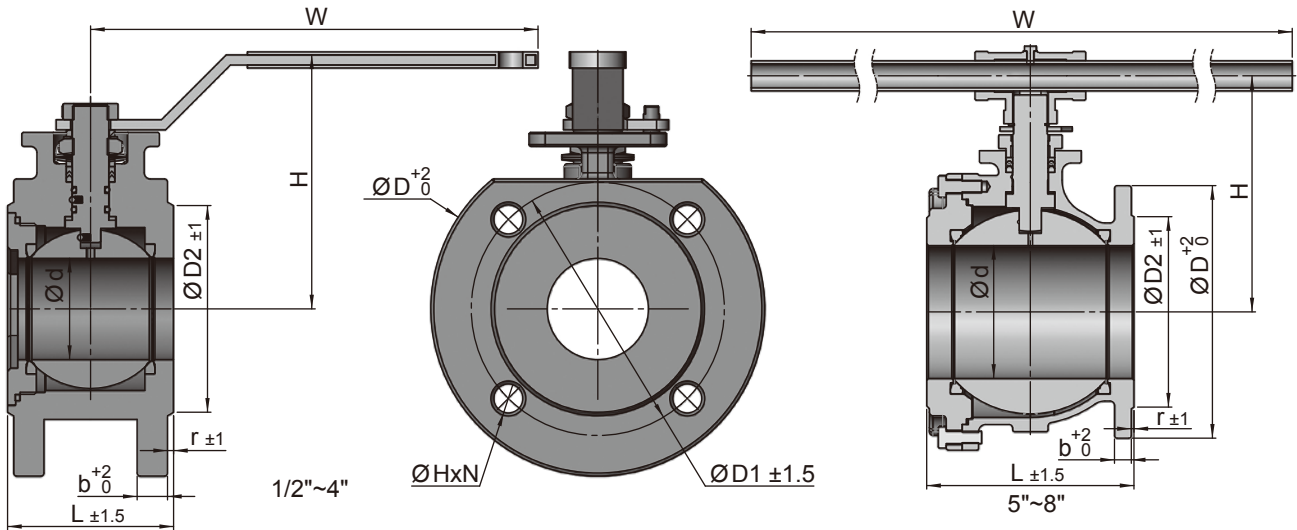
ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	1.4408	1.0619
2	End Caps	1.4408	1.0619
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8M
5	Stem	SS 316	SS 316
6	Body Seal	PTFE	PTFE
7	Thrust Washer	15%G.F.	15%G.F.
8	O-Ring	VITON	VITON
9	Stem Packing	PTFE	PTFE

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
10	Gland Ring	SS 304	SS 304
11	Spring Washer	SS 301	SS 301
12	Lever Nut	SS 304	SS 304
13	Locking Tab	SS 304	SS 304
14	Handle	SS 304	SS 304
15	Stop Screw	SS 304	SS 304
16	Handle Cover	VINYL	VINYL
17	Spring	SS 316	SS 316
18	Anti-Static	SS 316	SS 316

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尺寸圖 DIMENSION LIST



501 (PN16)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	45	65	95	12	2	42	M12x4	114	89	F03/F04
3/4"	20	58	75	105	14	2	44	M12x4	114	89	F03/F04
1"	25	68	85	115	14	2	50	M12x4	187	101	F04/F05
1-1/4"	32	78	100	140	14	2	54	M16x4	187	112	F04/F05
1-1/2"	40	88	110	150	13	3	68	M16x4	222	116	F05/F07
2"	50	102	125	165	15	3	82	M16x4	222	125	F05/F07
2-1/2"	65	122	145	185	15	3	103	M16x4	350	154	F07/F10
3"	80	138	160	200	17	3	122	M16x8	350	165	F07/F10
4"	96	158	180	220	17	3	152	M16x8	350	180	F07/F10
5"	125	188	210	250	16	3	194	M16x8	400	205.6	F10
6"	150	214.9	240	285	19	3	234	M20x8	800	266.5	F12
8"	200	267.9	295	340	21	3	305	M20x12	1100	336	F14

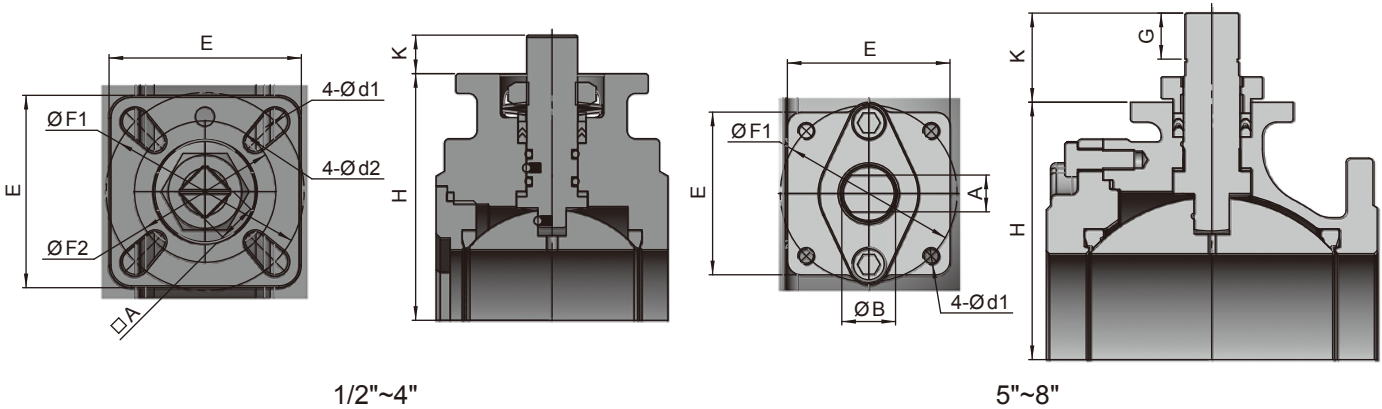
505 (Class 150)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	16	35	60.5	89	9.5	1.6	42	1/2"-13UNCx4	114	89	F03/F04
3/4"	20	43	69.8	99	9.5	1.6	44	1/2"-13UNCx4	114	89	F03/F04
1"	25	51	79.2	108	9.7	1.6	50	1/2"-13UNCx4	187	101	F04/F05
1-1/4"	32	64	88.9	117	11.2	1.6	54	1/2"-13UNCx4	187	112	F04/F05
1-1/2"	38	73	98.6	127	12.7	1.6	68	1/2"-13UNCx4	222	116	F05/F07
2"	50	92	120.6	152	14.2	1.6	82	5/8"-11UNCx4	222	125	F05/F07
2-1/2"	65	105	139.7	178	15.7	1.6	103	5/8"-11UNCx4	350	154	F07/F10
3"	73	127	152.4	190	17.5	1.6	122	5/8"-11UNCx4	350	165	F07/F10
4"	96	157	190.5	229	22.4	1.6	152	5/8"-11UNCx8	350	180	F07/F10
5"	125	185.6	215.9	254	22.5	1.6	194	3/4"-10UNCx8	400	204.7	F10
6"	150	215.9	241.3	279	23.9	1.6	234	3/4"-10UNCx8	800	270	F12

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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



501 (PN16)

SIZE	A	B	d1	d2	E	F1	F2	G	K	H	ISO5211
1/2"	9	-	6	6	42	42	36	-	8	54	F03/F04
3/4"	9	-	6	6	42	42	36	-	8	56	F03/F04
1"	11	-	7	6	48	50	42	-	12	62.5	F04/F05
1-1/4"	11	-	7	6	48	50	42	-	12	72	F04/F05
1-1/2"	14	-	9	7	68	70	50	-	14.8	78	F05/F07
2"	14	-	9	7	68	70	50	-	14.8	87.2	F05/F07
2-1/2"	17	-	11	9	94	102	70	-	17.1	107	F07/F10
3"	17	-	11	9	94	102	70	-	17.1	117.3	F07/F10
4"	17	-	11	9	94	102	70	-	17.1	132.3	F07/F10
5"	20	30	M10	-	92	102	-	24.5	47.2	148	F10
6"	26	38	M12	-	115	125	-	32.6	63	182	F12
8"	32	48	M16	-	137.5	140	-	42.1	76.5	233.5	F14

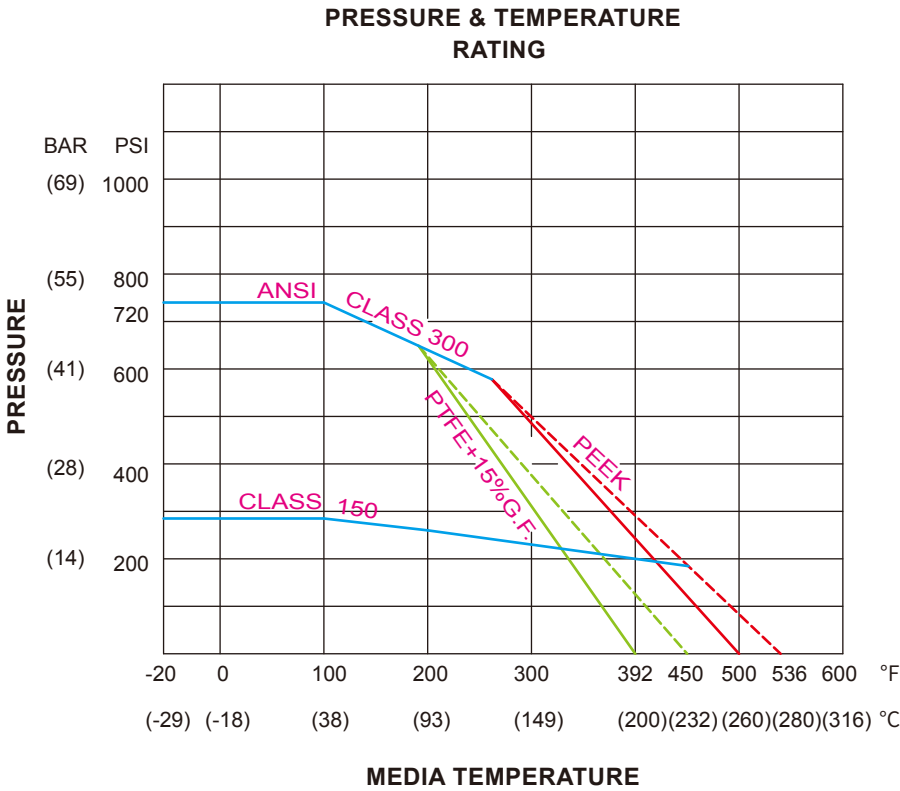
505 (Class 150)

SIZE	A	B	d1	d2	E	F1	F2	G	K	H	ISO5211
1/2"	9	-	6	6	42	42	36	-	8	54	F03/F04
3/4"	9	-	6	6	42	42	36	-	8	56	F03/F04
1"	11	-	7	6	48	50	42	-	12	62.5	F04/F05
1-1/4"	11	-	7	6	48	50	42	-	12	72	F04/F05
1-1/2"	14	-	9	7	68	70	50	-	14.8	78	F05/F07
2"	14	-	9	7	68	70	50	-	14.8	87.2	F05/F07
2-1/2"	17	-	11	9	94	102	70	-	17.1	107	F07/F10
3"	17	-	11	9	94	102	70	-	17.1	117.3	F07/F10
4"	17	-	11	9	94	102	70	-	17.1	132.3	F07/F10
5"	20	30	M10	-	92	102	-	24.5	47.2	148	F10
6"	26	38	M12	-	115	125	-	32.6	63	182	F12

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

溫度壓力曲線圖 P/T Chart



Remark:

- It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
- For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
- Final selection of seat material is the user's choice, experience & responsibility.
- Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature



SERIES

整體式法蘭球閥
Uni-Body Flanged End Ball Valve

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, General Fluid.

技術資料 TECHNICAL DATA

設計 Design	ASME B16.34
尺寸 Size	1/2" ~ 8"
壓力等級 Pressure Rating	ASME Class 150, 300
端口 End Connections	法蘭端 Flanged End
產品檢測 Testing	API 598
流量 Bore	減流量 Reduced Bore
認證 Certificate	API 607 AGA AS 4617, AS 4629

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
 - 可使用於執行器的 ISO 平台架。
 - RPTFE密封消除了對產品污染的擔憂。
 - 防火認證 API 607。可應要求提供。
 - 較低的操作扭力，便於操作並降低執行器成本。
 - 明確的開關位置指示。
 - 防爆軸心。
 - NACE MR0175 可應要求提供。
 - 可使用附鎖裝置。
 - 防靜電裝置。
 - 根據 ISO 9001 認證的質量體系製造。
 - 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * 請參考溫壓圖
- Superior valve design at a competitive price.
 - Machined ISO actuator mounting pad.
 - RPTFE seal relieves concern over product contamination.
 - Fire test certified to API 607. Available on request.
 - Lower operating torque for ease of operation and reduced actuator cost.
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 available on request.
 - Locking device is available.
 - Anti-Static device.
 - Manufactured under ISO 9001 certified quality system.
 - Various seat material are available.
- In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * Please refer to the Pressure-Temperature rating.

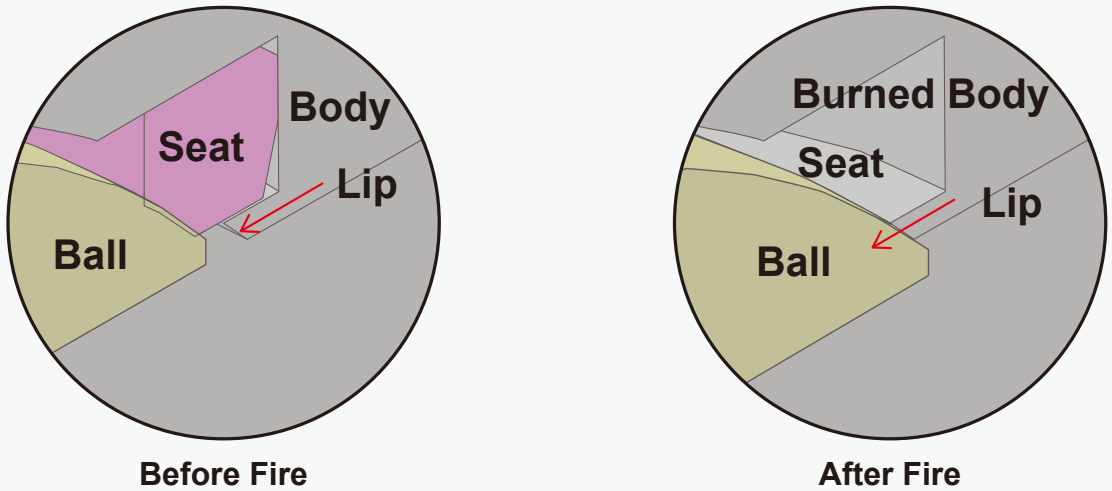
MODEL

503 / 507

產品介紹

Product Introduction

球座防火說明 FIRE SAFE STATEMENT FOR SEAT



503剖面圖

雙D設計。平面平行於流向，標示球的位置

Double D design. Flats parallel to flow, indicates ball position

不銹鋼鎖壓片以及螺栓

Stainless steel bolted gland flange & bolts

附鎖裝置

Locking device for open & close positions

ISO 5211 平台架

ISO 5211 mounting pad

用於防火球閥的柔性石墨填料

Flexible graphite gland packing for fire safe valves

柔性石墨大薄片

Flexible graphite gasket

提高P/T等級的RPTFE 球座

RPTFE seats for improved P/T rating

API 608 標準流

API 608 regular port

鎖牙片鎖入閥體

Body insert

防靜電裝置

Anti-static device

符合標準墊片使用的粗糙度 3.2 ~ 6.3 Ra

3.2~6.3 Ra standard gasket face finish

防爆軸心

Blowout-proof stem

碳鋼跟不銹鋼閥門皆使用

不銹鋼材質的球跟軸心

316 stainless steel ball &

stem on both carbon steel &

stainless steel valves

用於防火跟二次密封的金屬唇

Metal lip for firesafe &

secondary sealing

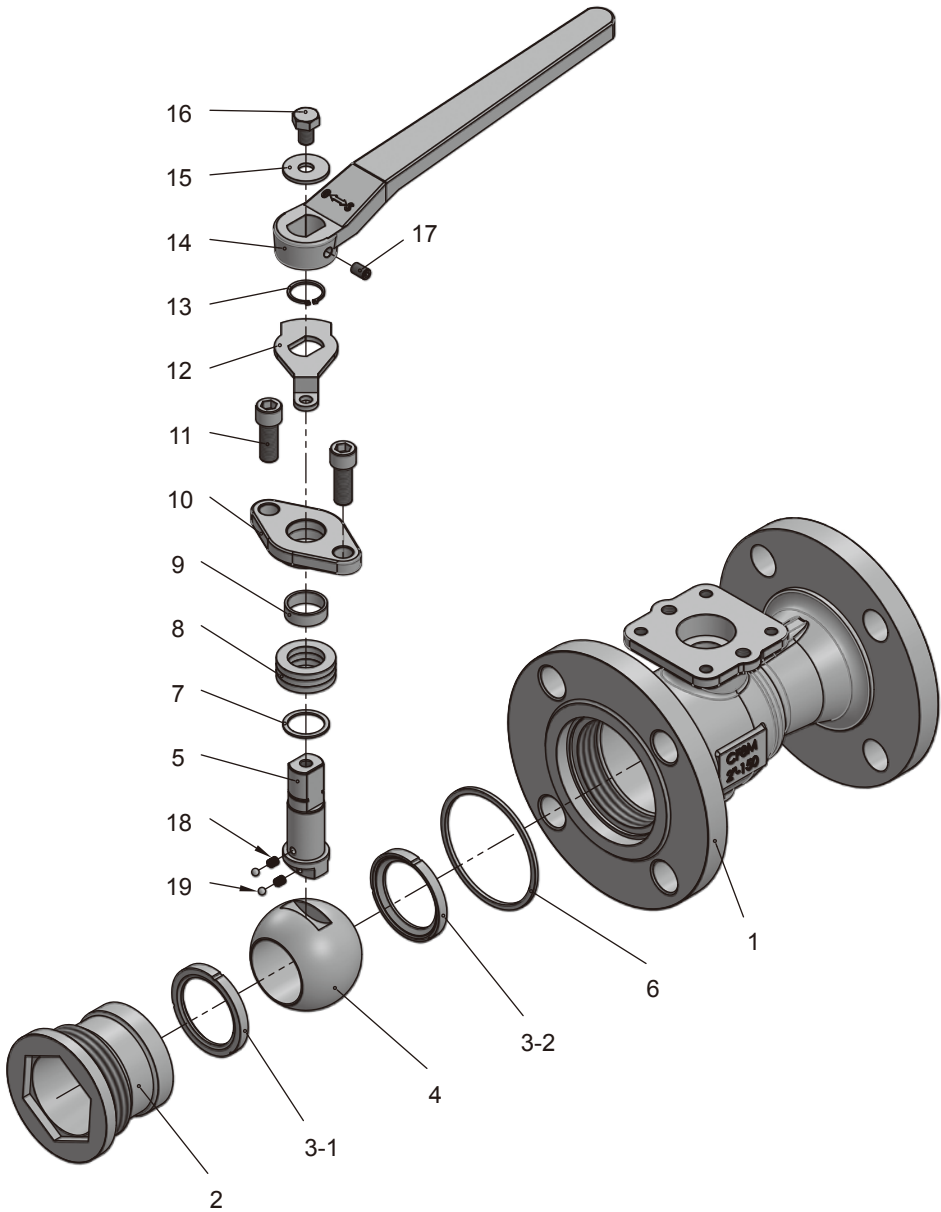
閥體上的爐號可追溯

Heat number on body for traceability

球面精加工至3微米

Ball surface finished to 3 microns

物料表 MATERIAL COMPOSITION

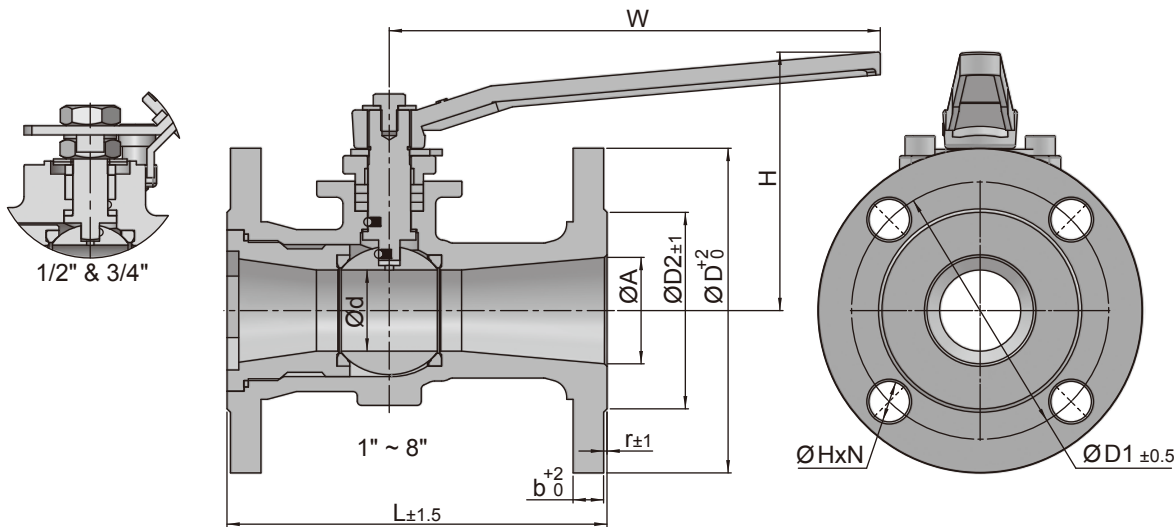


ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	Seat Retainer	A351-CF8M	A216-WCB
3	Seat	PTFE+15% G.F.	PTFE+15% G.F.
4	Ball	A351-CF8M	A351-CF8M
5	Stem	SS 316	SS 316
6	Body Seal	GRAPHITE	GRAPHITE
7	Gasket	PTFE	PTFE
8	Packing	GRAPHITE	GRAPHITE
9	Stem Bearing	PTFE	PTFE
10	Gland Flange	A351-CF8	A351-CF8

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
11	Hex Bolt	SS 304	SS 304
12	Stopper	SS 304	SS 304
13	Snap Ring	SS 420	SS 420
14	Handle	A216-WCB	A216-WCB
15	Flat Washer	SS 304	SS 304
16	Hex Bolt	SS 304	SS 304
17	Screw	STEEL	STEEL
18	Spring	SS 316	SS 316
19	Static Device	SS 316	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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尺寸圖 DIMENSION LIST



503 (Class 150)

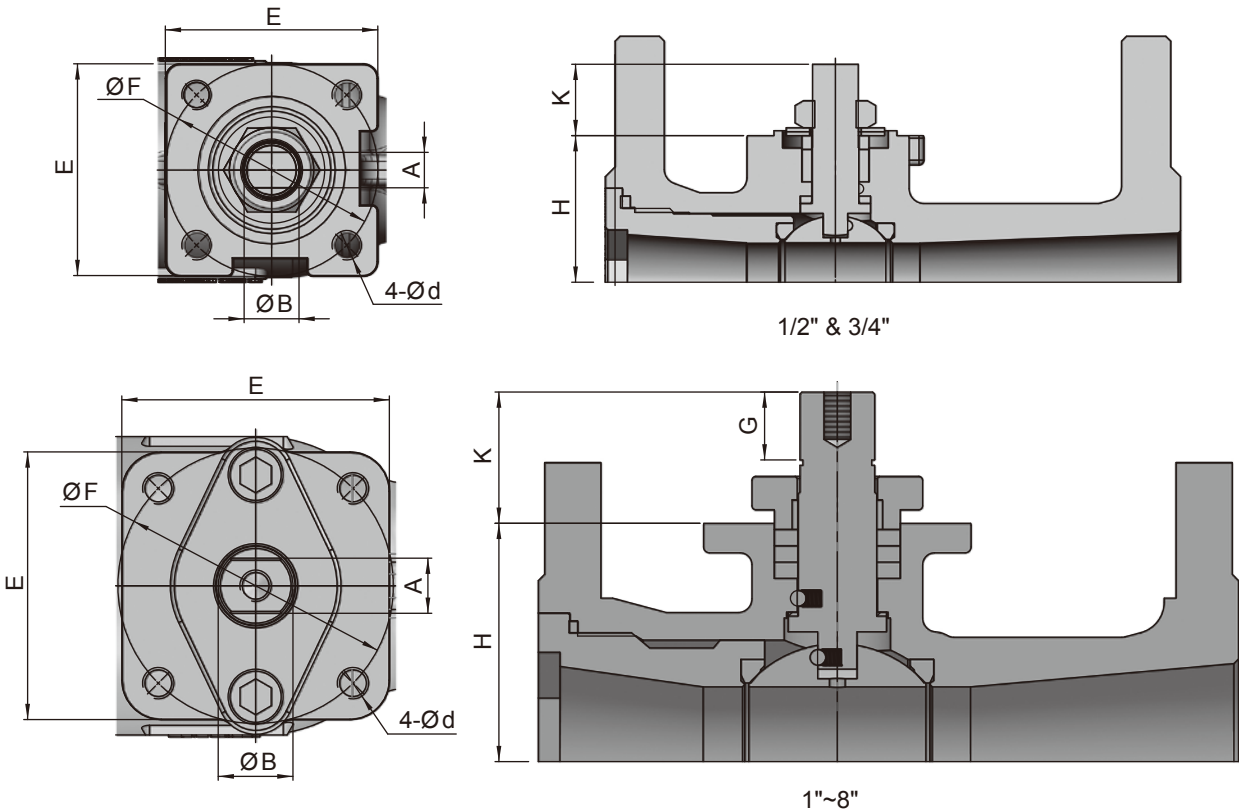
SIZE	d	A	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	12.7	16	35	60.5	90	9.5	1.6	108	16x4	140	77	F03
3/4"	15.8	20	43	70	100	9.5	1.6	117	16x4	140	81	F03
1"	20	25	51	79.5	108	9.7	1.6	127	16x4	135	83.5	F05
1-1/2"	32	38	73	98.5	127	12.7	1.6	165	16x4	160	100.1	F05
2"	38	50	92	120.5	152	14.2	1.6	178	19x4	230	121	F07
2-1/2"	50	65	105	139.5	178	15.7	1.6	190	19x4	230	132.2	F07
3"	58	80	127	152.5	190	17.5	1.6	203	19x4	350	147.1	F10
4"	76	100	157	190.5	229	22.4	1.6	229	19x8	350	165.9	F10
6"	111	150	216	241.5	279	23.9	1.6	267	22x8	400	199	F10
8"	144	200	270	298.5	343	26.9	1.6	292	22x8	800	270.7	F12

507 (Class 300)

SIZE	d	A	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1/2"	12.7	16	35	66.5	95	12.7	1.6	140	16x4	140	77	F03
3/4"	15.8	20	43	82.5	117	14.5	1.6	152	19x4	140	81	F03
1"	20	25	51	89	124	15.7	1.6	165	19x4	135	86.4	F05
1-1/2"	32	38	73	114.5	155	19	1.6	190	22x4	160	103	F05
2"	38	50	92	127	165	20.6	1.6	216	19x8	230	125	F07
3"	58	80	127	168	210	26.9	1.6	283	22x8	350	147.1	F10
4"	76	100	157	200	254	30.2	1.6	305	22x8	350	165.9	F10
6"	111	150	216	270	318	35.1	1.6	403	22x12	400	222.5	F10
8"	144	200	270	330	381	39.6	1.6	419	25x12	800	270.7	F12

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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



503 (Class 150)

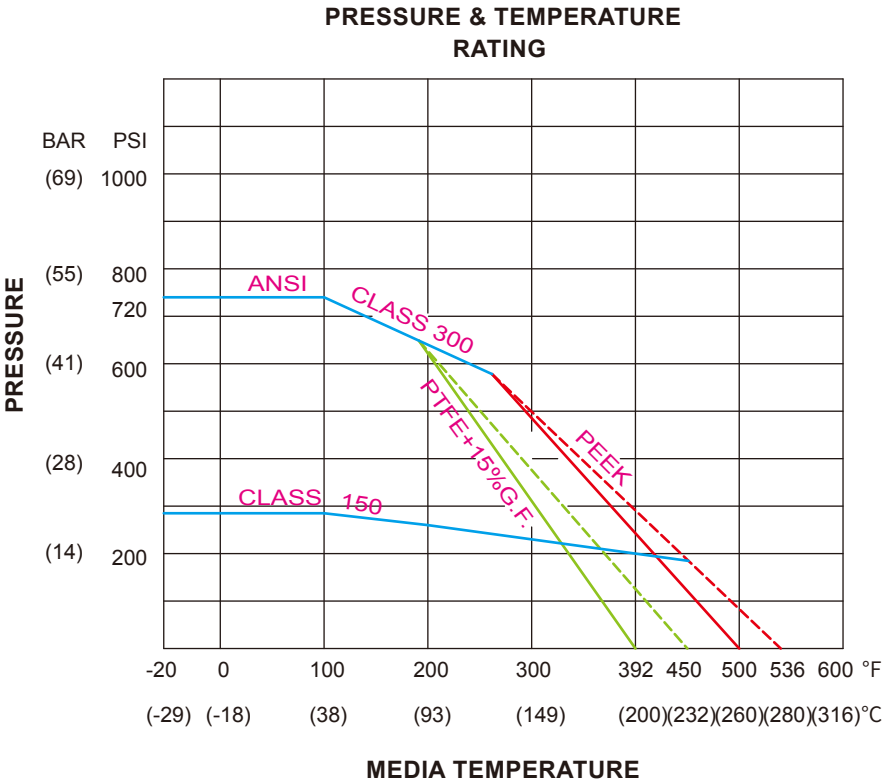
SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	6	9.5	M5	36	36	-	15.9	24	F03
3/4"	6	9.5	M5	36	36	-	14.8	29.3	F03
1"	8	12	M6	48	50	7.5	19.4	38.5	F05
1-1/2"	10	15	M6	48	50	13.2	27.1	50.6	F05
2"	14	19	M8	68	70	17.3	33.3	60.5	F07
2-1/2"	14	19	M8	75.5	70	17.3	36.8	67.4	F07
3"	16	24	M10	96	102	24.5	44.5	89.9	F10
4"	16	24	M10	96	102	24.5	44.5	108.7	F10
6"	20	30	M10	92	102	24.5	48.2	140	F10
8"	26	38	M12	115	125	32.5	63	182	F12

507 (Class 300)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	6	9.5	M5	36	36	-	15.9	24	F03
3/4"	6	9.5	M5	36	36	-	15.9	29.3	F03
1"	8	12	M6	48	50	7.5	19.4	38.5	F05
1-1/2"	10	15	M6	48	50	13.2	27.1	50.6	F05
2"	14	19	M8	68	70	17.3	33.3	60.5	F07
3"	16	24	M10	96	102	24.5	44.5	89.9	F10
4"	16	24	M10	96	102	24.5	44.5	108.7	F10
6"	20	30	M10	92	102	24.5	48.2	140	F10
8"	26	38	M12	115	125	32.5	63	182	F12

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溫度壓力曲線圖 P/T CHART



- Remark:
1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
 2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
 3. Final selection of seat material is the user's choice, experience & responsibility.
 4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature

球閥
BALL VALVE

SERIES

高性能整體式法蘭球閥
High Performance Uni-Body Flanged End Ball Valve

MODEL

551 / 553

產品介紹

Product Introduction

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、一般流體。
Mining & Mineral Processing, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, General Fluid.

技術資料 TECHNICAL DATA

設計 Design	ASME B16.34
尺寸 Size	1/2" ~ 8"
壓力等級 Pressure Rating	ASME Class 150, 300
端口 End Connections	法蘭端 Flanged End
產品檢測 Testing	API 598
流量 Bore	減流量 Reduced Bore
認證 Certificate	API 607

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
 - 可使用於執行器的 ISO 平台架。
 - RPTFE密封消除了對產品污染的擔憂。
 - 防火認證 API 607。可應要求提供。
 - 較低的操作扭力，便於操作並降低執行器成本。
 - 明確的開關位置指示。
 - 防爆軸心。
 - NACE MR0175。可應要求提供。
 - 可使用附鎖裝置。
 - 防靜電裝置。
 - 根據 ISO 9001 認證的質量體系製造。
 - 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * 請參考溫壓圖
- Superior valve design at a competitive price.
 - Machined ISO actuator mounting pad.
 - RPTFE seal relieves concern over product contamination.
 - Fire test certified to API 607. Available on request.
 - Lower operating torque for ease of operation and reduced actuator cost.
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 available on request.
 - Locking device is available.
 - Anti-Static device.
 - Manufactured under ISO 9001 certified quality system.
 - Various seat material are available.
- In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * Please refer to the Pressure-Temperature rating.

551剖面圖

雙D軸心設計標示球的位置

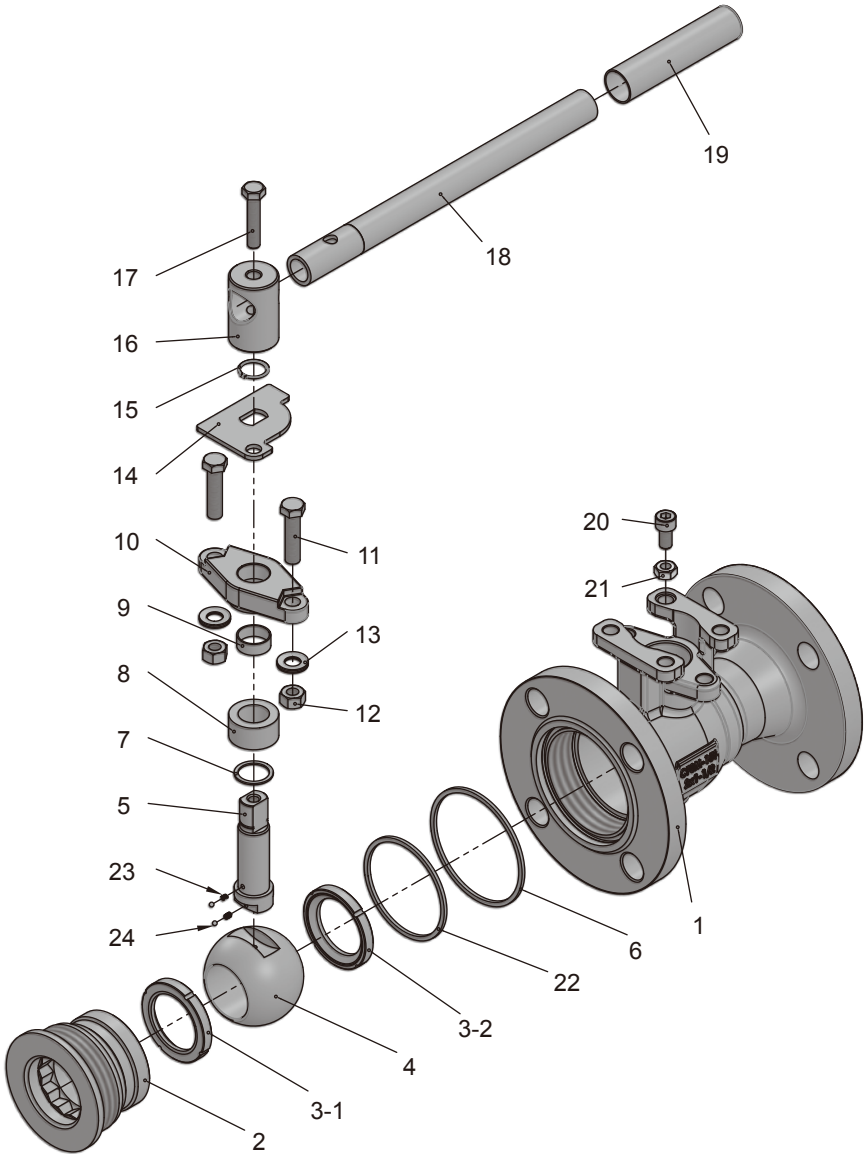
Double flat stem design indicates ball position

閥桿軸承

Stem bearing

附鎖裝置
Locking device低逸散性排放中口設計
Low emission packing design防爆軸心
Blowout proof stemISO 5211 平台架
ISO 5211 mounting pad軟密封球座無洩漏密封
Soft seat bubble tight sealing鎖牙片鎖入閥體
Body insert鑄件符合 NACE MR0175 要求
Casting meet NACE MR0175 requirement第二道防火石墨墊片
Fire safe flexible
secondary gasket符合ASME B16.34 最小壁厚要求
Meet ASME B16.34 min. wall thickness requirement防火的第二道球座金屬對金屬密封
Fire safe secondary seat metal to metal sealing壓力平衡孔
Equalized cavity pressure符合標準墊片使用的粗糙度 3.2 ~ 6.3 Ra
3.2 ~ 6.3 Ra standard gasket finish小薄片
Thrust washer防靜電裝置
Anti-static device精密加工球
Precision machined ball本體
Body主要PTFE墊片
PTFE primary gasket

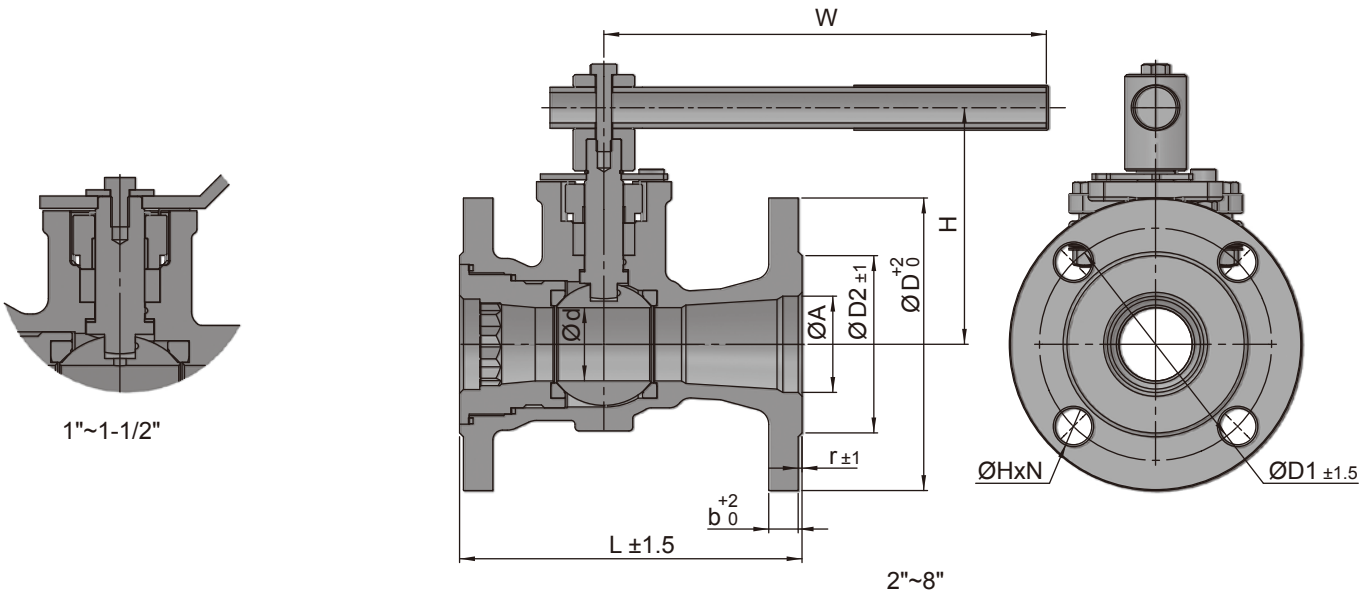
物料表 MATERIAL COMPOSITION



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL	ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB	13	Disc Spring	SS 304	SS 304
2	Seat Retainer	A351-CF8M	A216-WCB	14	Stop Plate	SS 304	SS 304
3	Seat	PTFE+25%G.F.	PTFE+25%G.F.	15	Snap Ring	SS 420	SS 420
4	Ball	A351-CF8M	A351-CF8M	16	T-Block	A216-WCB	A216-WCB
5	Stem	SS 316	SS 316	17	Hex. Bolt	SS 304	SS 304
6	Body Seal	GRAPHITE	GRAPHITE	18	Pipe	STEEL+Zn	STEEL+Zn
7	Gasket	PTFE	PTFE	19	Pipe Cover	VINYL	VINYL
8	Packing	GRAPHITE	GRAPHITE	20	Stop Screw	SS 304	SS 304
9	Stem Bearing	PTFE	PTFE	21	Stop Nut	SS 304	SS 304
10	Gland Flange	A351-CF8	A351-CF8	22	Joint Gasket	PTFE	PTFE
11	Hex. Bolt	A193-B8	A193-B8	23	Spring	SS 316	SS 316
12	Gland Nut	SS 304	SS 304	24	Static Device	SS 316	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
We reserve the right to modify the design / specification without previous notice for better quality.

尺寸圖 DIMENSION LIST



551 (Class 150)

SIZE	d	A	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1"	20	25	50.8	79.2	108	9.7	2	127	16x4	136.5	84.3	F05
1-1/2"	32	38	73	98.6	127	12.7	2	165	16x4	186.5	105.5	F05
2"	38	50	92.1	120.6	152	14.2	2	178	19x4	230	122.9	F07
3"	62	76.2	127	152.4	190	17.5	2	203	19x4	350	169	F10
4"	76.2	102	157.2	190.5	229	22.4	2	229	19x8	400	189.9	F10
6"	102	152.5	215.9	241.3	279	23.9	2	267	22x8	400	219.8	F10
8"	150	201	269.9	298.4	343	26.9	2	292	22x8	800	281	F12

553 (Class 300)

SIZE	d	A	D2	D1	D	b	r	L	ØH-N	W	H	ISO5211
1"	20	25	50.8	88.9	125	15.7	2	165	19x4	136.5	84.3	F05
1-1/2"	32	38	73	114.3	155	19	2	190	22x4	186.5	105.5	F05
2"	38	50	92.1	127	165	20.6	2	216	19x8	230	122.9	F07
3"	62	76.2	127	168.1	210	26.9	2	282	22x8	350	169	F10
4"	76.2	102	157.2	200.2	255	30.2	2	305	22x8	400	189.9	F10
6"	102	152.5	215.9	269.7	320	35.1	2	403	22x12	400	219.8	F10
8"	150	201	269.9	330.2	380	36.9	2	419	25x12	800	281	F12

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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球閥
BALL VALVE

SERIES

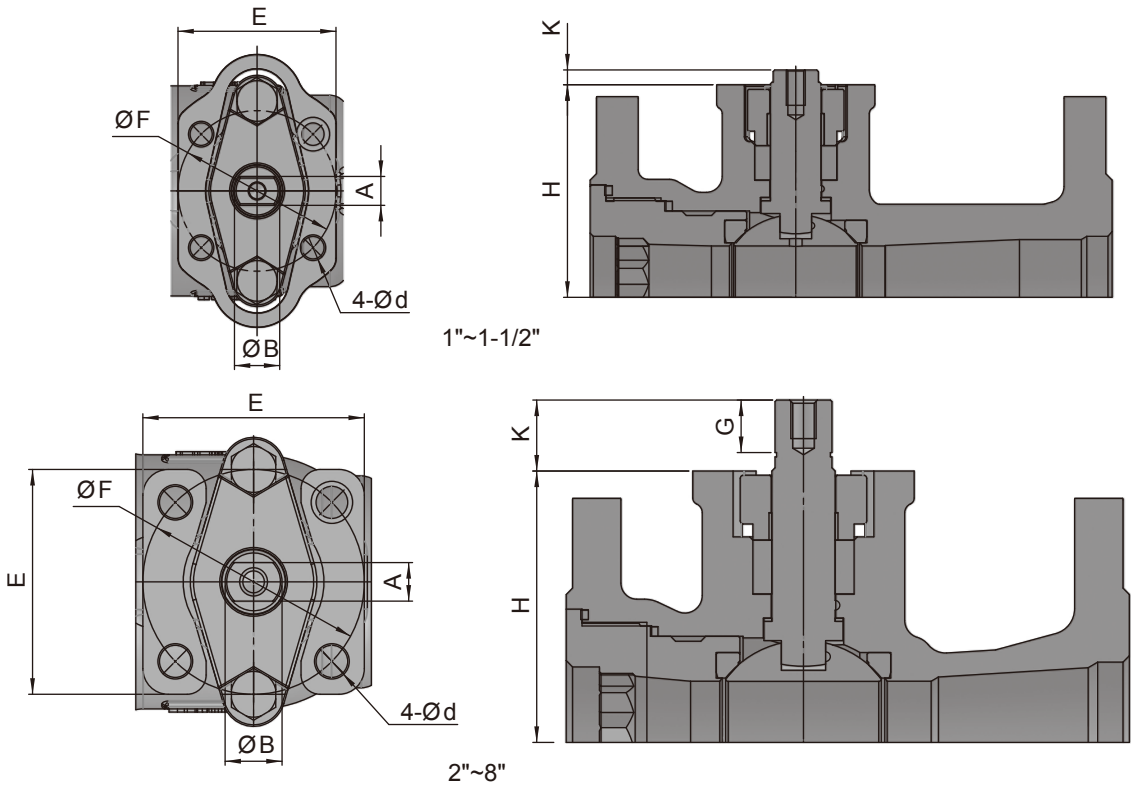
高性能整體式法蘭球閥
High Performance Uni-Body Flanged End Ball Valve

MODEL

551 / 553

產品介紹
Product Introduction

平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



551 (Class 150)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1"	8	12.7	7	50	50	3.9	4.9	49.8	F05
1-1/2"	9	16	7	50	50	10	10.8	66.2	F05
2"	12	18	10	70	70	16.4	22.1	84.5	F07
3"	16	25	12	95.5	102	24.4	31.7	116.1	F10
4"	20	30	12	100	102	24.4	32.1	137	F10
6"	20	30	12	100	102	24.4	32.1	166.5	F10
8"	26	38	14	115	125	32.9	40.8	219.2	F12

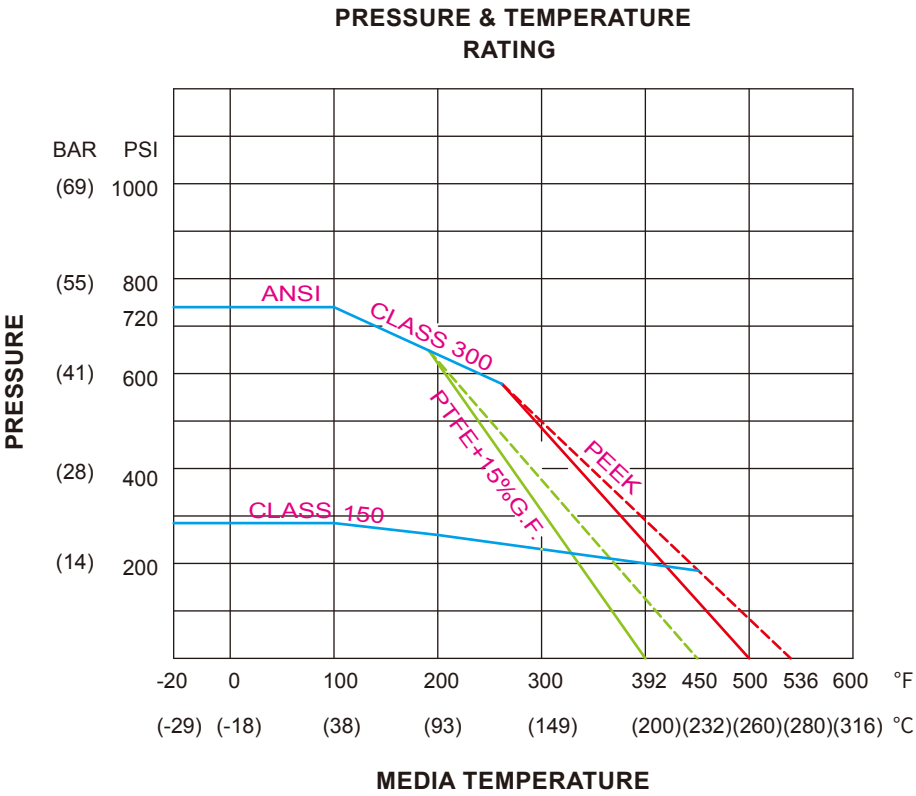
553 (Class 300)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1"	8	12.7	7	50	50	3.9	4.9	49.8	F05
1-1/2"	9	16	7	50	50	10	10.8	66.2	F05
2"	12	18	10	70	70	16.4	22.1	84.5	F07
3"	16	25	12	95.5	102	24.4	31.7	116.1	F10
4"	20	30	12	100	102	24.4	32.1	137	F10
6"	20	30	12	100	102	24.4	32.1	166.5	F10
8"	26	38	14	115	125	32.9	40.8	219.2	F12

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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溫度壓力曲線圖 P/T Chart



Remark:

1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
3. Final selection of seat material is the user's choice, experience & responsibility.
4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature



球閥

BALL VALVE

SERIES

牙口 / 對焊 / 套焊球閥

Threaded End / Butt Weld / Socket Weld End Ball Valve

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、汽車工業、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, Automotive Industry, General Fluid.

技術資料 TECHNICAL DATA

設計 / 尺寸 Design / Size	EN12516-1/-3, MSS-SP-110 1/4" ~ 4" (DN8 ~ DN100)
壓力等級 Pressure Rating	1000 WOG, 2000 WOG
端口 End Connections	牙口端、套焊端、對焊端、長焊端 Threaded End, Socket Weld End, Butt Weld End Long Butt Weld End
產品檢測 Testing	API 598, EN12266-1
流量 Bore	減流量 Reduced Bore: 102, 118 標準流量 Standard Bore: 203 全流量 Full Bore: 207, 301/31L, 302/32L, 303, 305
認證 Certificate	API 607: 118, 305 AGA AS 4617, AS 4629: 305 UL: 201 (720), 301 (730), 39J, 29U CRN: 201 (720), 301 (730) PED 2014/68/EU 認證適用於 CE 市場的產品 PED 2014/68/EU Approval for CE market product

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 可使用於執行器的 ISO 平台架 (303, 305)。
- 延長端蓋可應要求提供。
- RPTFE密封消除了對產品污染的擔憂。
- 防火認證 API 607。(118, 305)。
- 較低的操作扭力，便於操作並降低執行器成本。
- 明確的開關位置指示。
- 防爆軸心。
- NACE MR0175 可應要求提供 (118)。
- 可使用附鎖裝置。
- 防靜電裝置。
- 根據 ISO 9001 認證的質量體系製造。
- 標準 CE 標示符合 PED 2014/68/EU，可應要求提供。
- 多種球座材質可供選擇。

除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：

- PTFE + 15% Glass Fiber
- PTFE + 25% Carbon Fiber
- Modified PTFE
- Modified PTFE + 25% Carbon Fiber
- PTFE + 50% SS
- PEEK
- UHMWPE

* 請參考溫壓圖

- Superior valve design at a competitive price.
 - ISO actuator mounting pad. (303, 305)
 - Extension End is available on request.
 - RPTFE seal relieves concern over product contamination.
 - Fire test certified to API 607 and ISO 10497. (118,305)
 - Lower operating torque for ease of operation and reduced actuator cost.
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 available on request. (118)
 - Locking device is available.
 - Anti-Static Device.
 - Manufactured under ISO 9001 certified quality system.
 - CE marking according to PED 2014/68/EU standard. Available on request.
 - Various seat material are available.
In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * Please refer to the Pressure-Temperature rating

MODEL

一片式 1-PC : 102 / 118

二片式 2-PC : 201 / 202 / 203 / 207

三片式 3-PC : 301 / 302 / 303 / 305

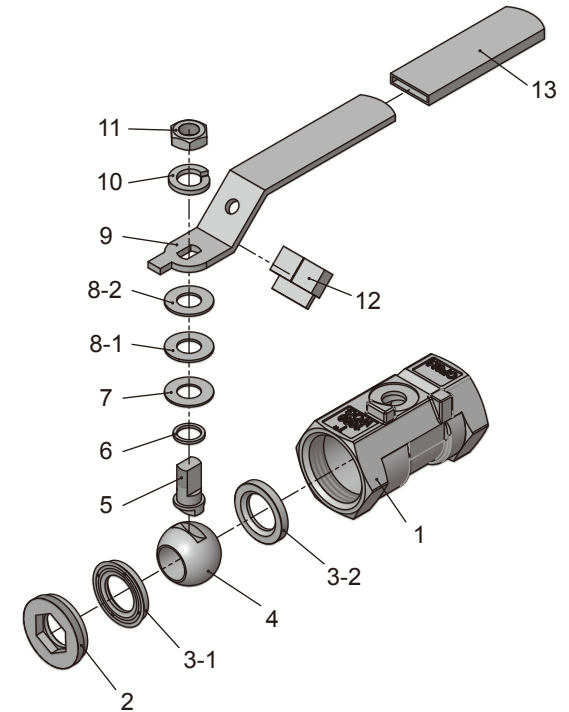
由任端 Union End : 29U

產品介紹

Product Introduction

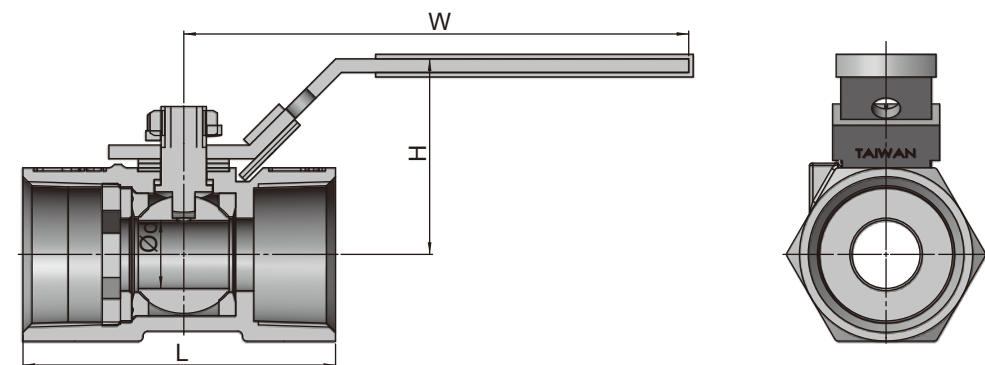
物料表 MATERIAL COMPOSITION

型號 Fig. No. : 102



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	Seat Retainer	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Thrust Washer	PTFE+15%G.F.	PTFE+15%G.F.
7	Packing	PTFE+15%G.F.	PTFE+15%G.F.
8	Belleville Spring Washer	SS 420	SS 420
9	Handle	SS 420	SS 420
10	Lever Spring Washer	SS 304	SS 304
11	Lever Nut	SS 304	SS 304
12	Locking Device	SS 304	SS 304
13	Handle Cover	VINYL	VINYL

尺寸圖 DIMENSION LIST



SIZE	d	L	W	H
1/4"	5	38.7	64.4	24.1
3/8"	7	44.2	76.5	25.6
1/2"	9	55.6	93.5	32.9
3/4"	12.5	62.1	93.5	36.2
1"	15	68.9	111.3	43.1
1-1/4"	20	78.2	111.3	47.5
1-1/2"	24.5	86	139	53.5
2"	32	102.7	139	59.6

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.



球閥

BALL VALVE

SERIES

牙口 / 對焊 / 套焊球閥

Threaded End / Butt Weld / Socket Weld End Ball Valve

MODEL

一片式 1-PC : 102 / 118

二片式 2-PC : 201 / 202 / 203 / 207

三片式 3-PC : 301 / 302 / 303 / 305

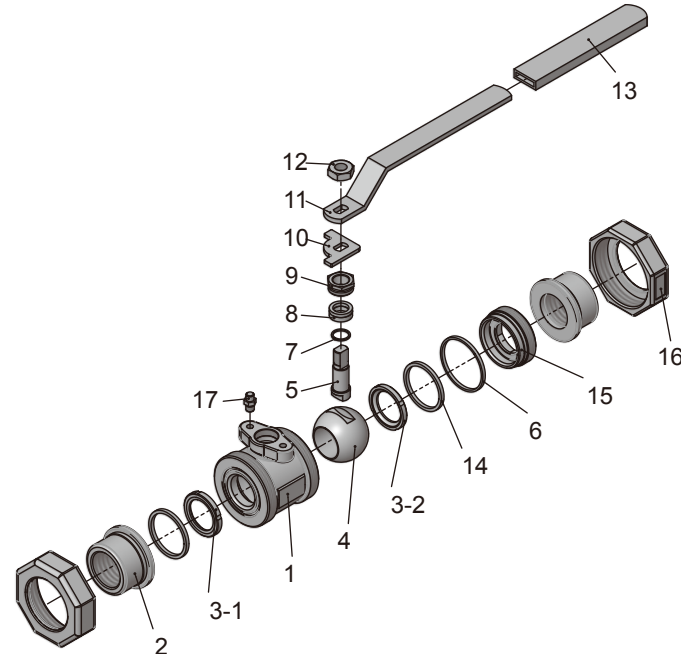
由任端 Union End : 29U

產品介紹

Product Introduction

物料表 MATERIAL COMPOSITION

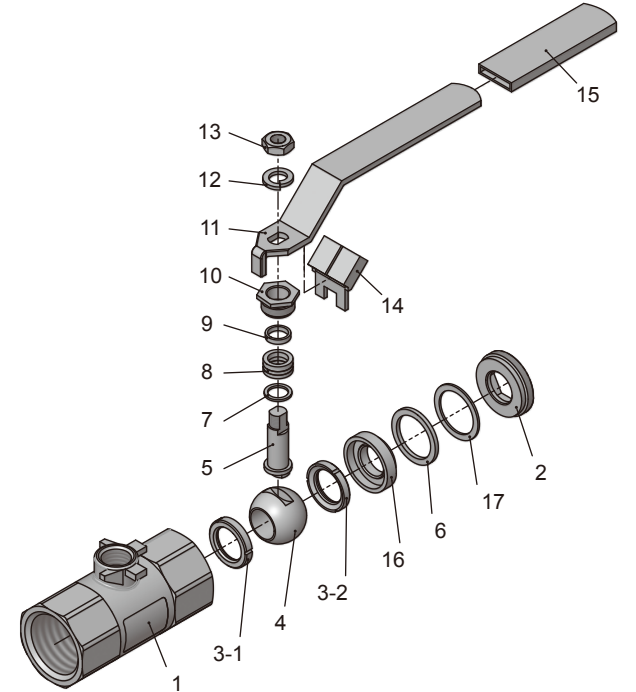
型號 Fig. No. : 29U



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	Union End	A351-CF8M	A216-WCB
3	Seats	TFM1600	TFM1600
4	Ball	A351-CF8M	A351-CF8M
5	Stem	SS 316	SS 316
6	Body Seal	TFM1600	TFM1600
7	Gasket	PTFE	PTFE
8	Packing	TFM1600	TFM1600
9	Gland Packing	SS 304	SS 304
10	Stop Plate	SS 304	SS 304
11	Handle	SS 304	SS 304
12	Lever Nut	SS 304	SS 304
13	Handle Cover	VINYL	VINYL
14	Union Seal	TFM1600	TFM1600
15	Insert	A351-CF8M	A216-WCB
16	Union Nut	A351-CF8M	A216-WCB
17	Stop Screw	SS 304	SS 304

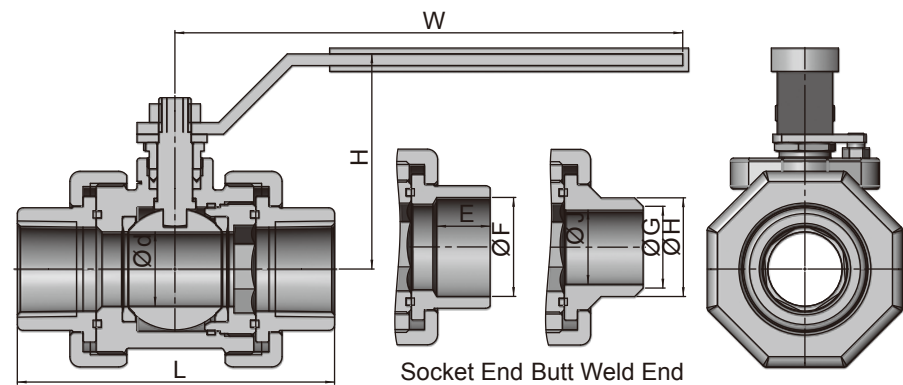
物料表 MATERIAL COMPOSITION

型號 Fig. No. : 118



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	Seat Retainer	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE	PTFE
8	Packing	PTFE	PTFE
9	Gland Bush	PTFE	PTFE
10	Gland	SS 304	SS 304
11	Handle	SS 304	SS 304
12	Lever Spring Washer	SS 304	SS 304
13	Lever Nut	SS 304	SS 304
14	Locking Device	SS 304	SS 304
15	Handle Cover	VINYL	VINYL
16	Seat Retainer Ring	SS 316	SS 316
17	Support Washer	SS 304	SS 304

尺寸圖 DIMENSION LIST



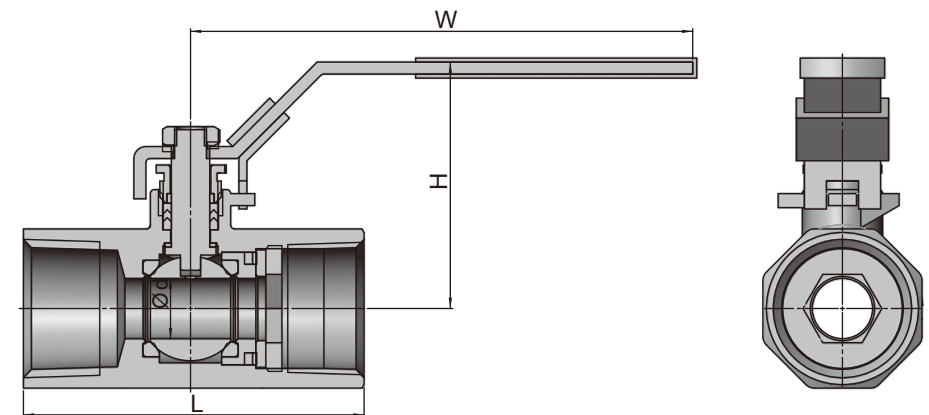
Socket End Butt Weld End

SIZE	d	L	W	H	E	F	G	H	J
1/4"	11.1	90	105	61	11.2	14	13	17.2	11.1
3/8"	11.1	90	105	61	11.2	18	13	17.2	11.1
1/2"	15.8	90	105	61	11.2	22	17	21.3	15.8
3/4"	20.5	94	125.5	70	14.2	27.5	22	26.9	20.5
1"	25.4	108	175.5	74	18.3	34.5	28	33.7	25.4
1-1/4"	31.8	116	198.2	82	18.3	43	37	42.4	33.8
1-1/2"	38.1	132	248.5	89	18.3	49	43	48.3	39.8
2"	50	144	248.5	97	21.3	61.5	54	60.3	50.8

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

尺寸圖 DIMENSION LIST



SIZE	d	L	W	H
1/2"	8	63.5	100	41
3/4"	11	73.2	115	48.3
1"	15	84.8	125	59
1-1/2"	23.5	103.1	160	75
2"	30	115.1	160	80.6

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球閥
BALL VALVE

SERIES

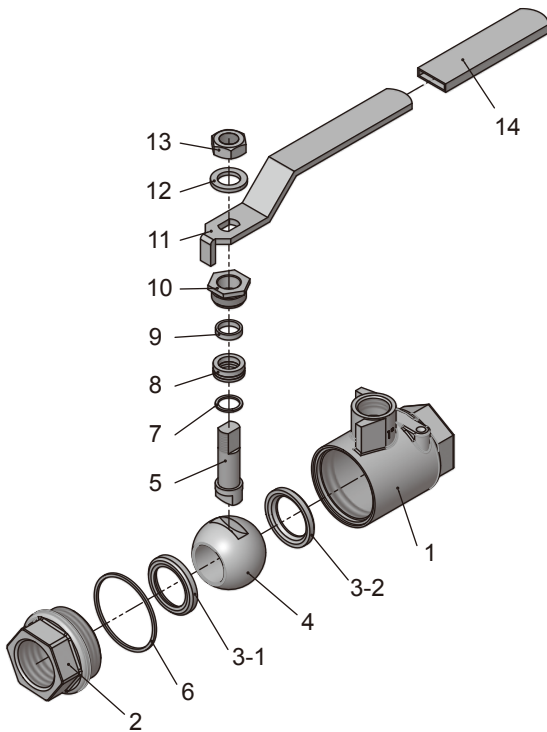
牙口 / 對焊 / 套焊球閥
Threaded End / Butt Weld / Socket Weld End Ball Valve

MODEL

一片式 1-PC : 102 / 118 三片式 3-PC : 301 / 302 / 303 / 305 產品介紹
二片式 2-PC : 201 / 202 / 203 / 207 由任端 Union End : 29U Product Introduction

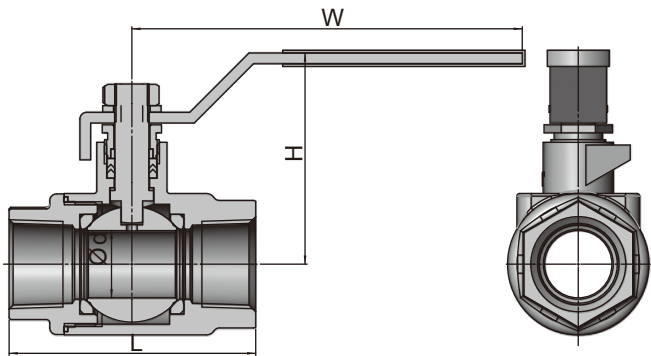
物料表 MATERIAL COMPOSITION

型號 Fig. No. : 201



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE	PTFE
8	Packing	PTFE	PTFE
9	Gland Bush	PTFE	PTFE
10	Packing Gland	SS 304	SS 304
11	Handle	SS 304	SS 304
12	Lever Spring Washer	SS 304	SS 304
13	Lever Nut	SS 304	SS 304
14	Handle Cover	VINYL	VINYL

尺寸圖 DIMENSION LIST

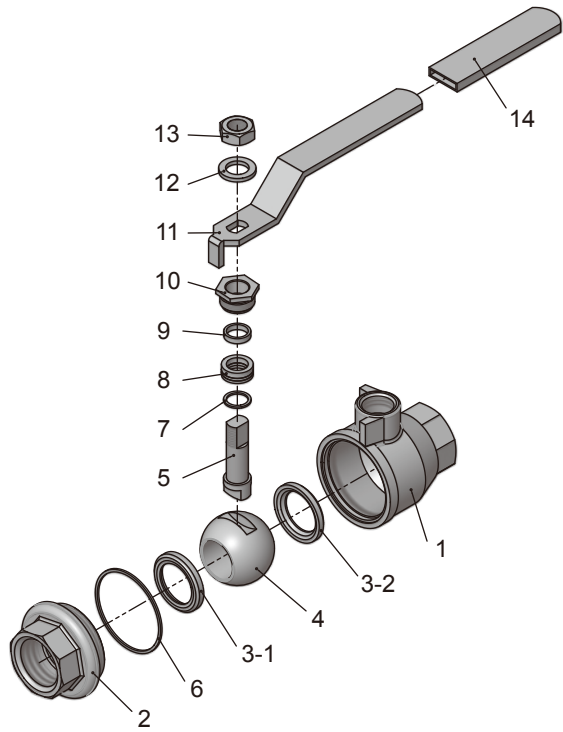


SIZE	d	L	W	H
1/4"	11	56	103	49.2
3/8"	12.5	56	103	49.2
1/2"	15	62.4	103	53.9
3/4"	20	76.6	109	63.3
1"	25	91.6	145	78.2
1-1/4"	32	98.3	145	82.3
1-1/2"	38	117.7	180	93
2"	50	135.2	180	98.7
2-1/2"	65	166.2	230	131
3"	80	198.8	300	143.9
4"	100	235.8	400	163.9

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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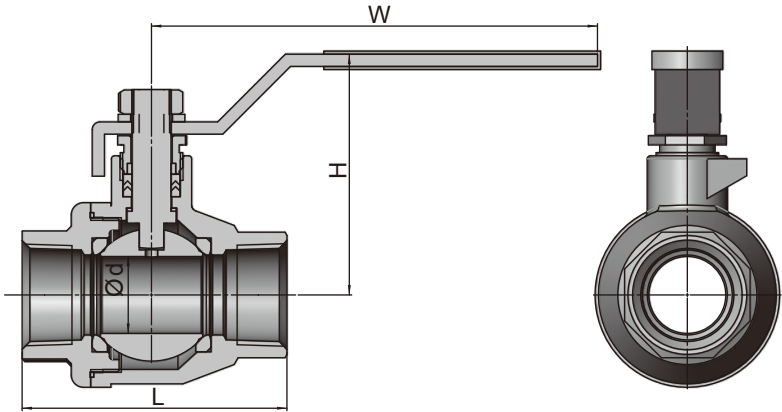
物料表 MATERIAL COMPOSITION

型號 Fig. No. : 202



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE	PTFE
8	Packing	PTFE	PTFE
9	Gland Bush	PTFE	PTFE
10	Packing Gland	SS 304	SS 304
11	Handle	SS 304	SS 304
12	Lever Spring Washer	SS 304	SS 304
13	Lever Nut	SS 304	SS 304
14	Handle Cover	VINYL	VINYL

尺寸圖 DIMENSION LIST



SIZE	d	L	W	H
1/4"	11	55.2	103	49.2
3/8"	12.5	55.2	103	49.2
1/2"	15	68.3	103	53.9
3/4"	20	74.5	109	63.3
1"	25	86.1	145	78.2
1-1/4"	32	99.9	145	82.3
1-1/2"	38	109.8	180	93
2"	50	130.7	180	98.7

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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球閥
BALL VALVE

SERIES

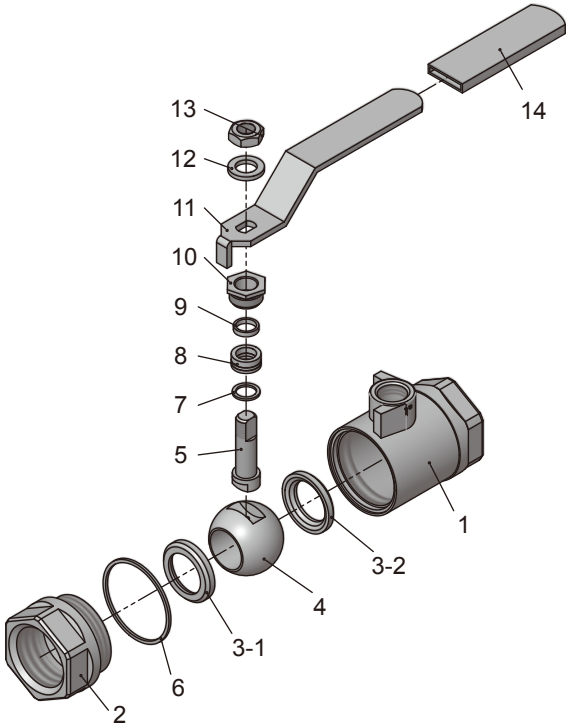
牙口 / 對焊 / 套焊球閥
Threaded End / Butt Weld / Socket Weld End Ball Valve

MODEL

一片式 1-PC : 102 / 118 三片式 3-PC : 301 / 302 / 303 / 305 產品介紹
二片式 2-PC : 201 / 202 / 203 / 207 由任端 Union End : 29U Product Introduction

物料表 MATERIAL COMPOSITION

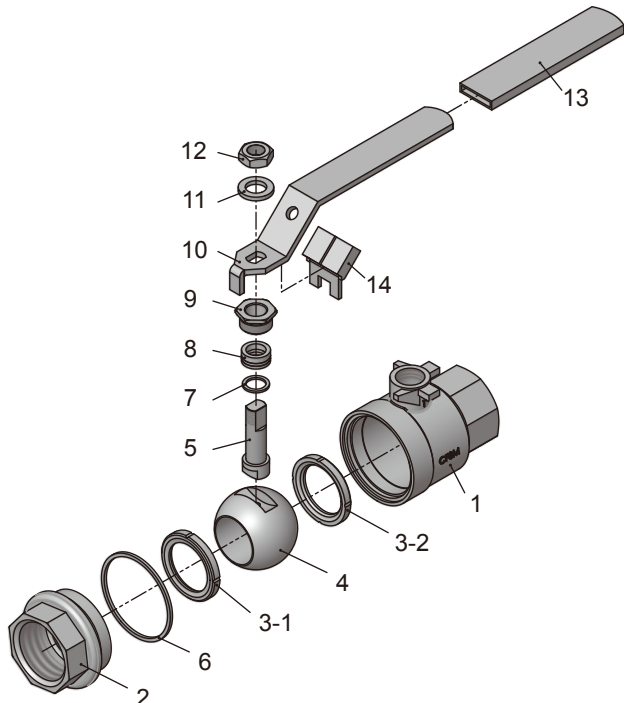
型號 Fig. No. : 203



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE	PTFE
8	Packing	PTFE	PTFE
9	Gland Bush	PTFE	PTFE
10	Packing Gland	SS 304	SS 304
11	Handle	SS 304	SS 304
12	Lever Spring Washer	SS 304	SS 304
13	Lever Nut	SS 304	SS 304
14	Handle Cover	VINYL	VINYL

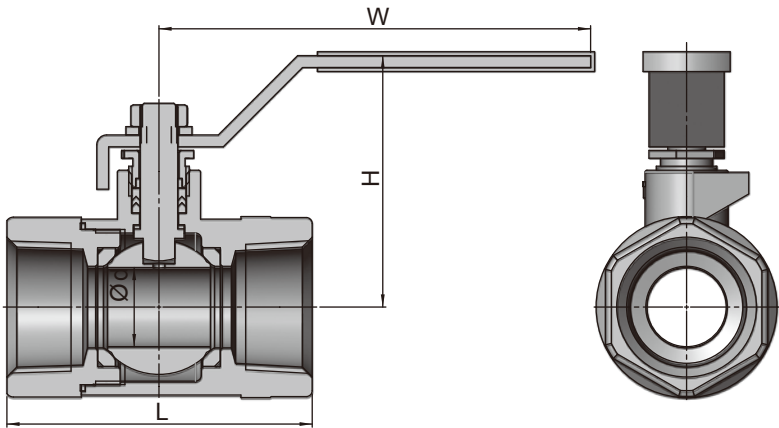
物料表 MATERIAL COMPOSITION

型號 Fig. No. : 207



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE	PTFE
8	Packing	PTFE	PTFE
9	Packing Gland	SS 304	SS 304
10	Handle	SS 304	SS 304
11	Lever Spring Washer	SS 304	SS 304
12	Lever Nut	SS 304	SS 304
13	Handle Cover	VINYL	VINYL
14	Locking Device	SS 304	SS 304

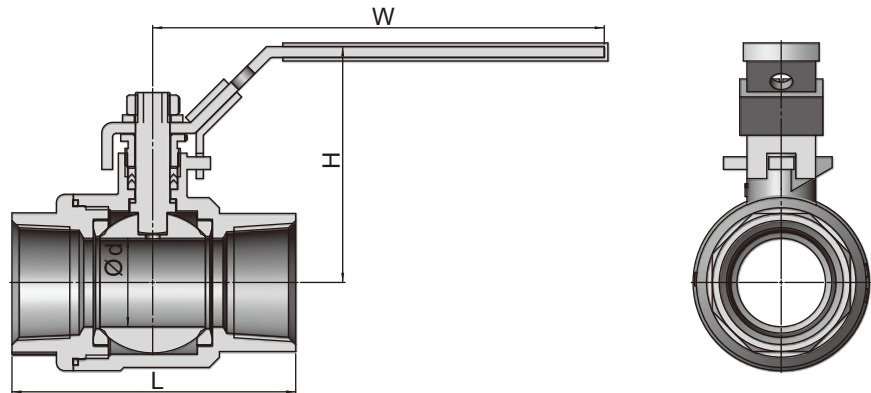
尺寸圖 DIMENSION LIST



SIZE	d	L	W	H
1/4"	11.1	59.4	103	49.2
3/8"	12.5	59.4	103	49.2
1/2"	12.5	59.4	103	49.2
3/4"	15	66.7	103	53.9
1"	20	75.8	109	63.3
1-1/4"	25	88.6	145	78.2
1-1/2"	32	97.4	145	82.3
2"	38	122	180	93

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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尺寸圖 DIMENSION LIST



SIZE	d	L	W	H
1/4"	10	49.2	80	41.4
3/8"	12.5	49.2	80	41.4
1/2"	15	59	80	45
3/4"	20	68.6	100	54.7
1"	24.5	78.6	125	65.3
1-1/4"	32	93.2	125	70.9
1-1/2"	38	103.1	160	84
2"	50	123.3	160	93.3

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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球閥
BALL VALVE

SERIES

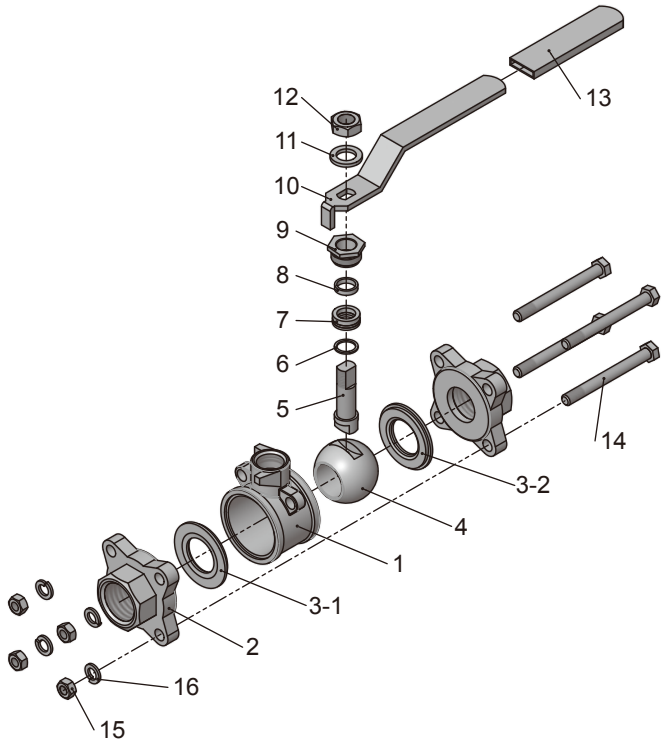
牙口 / 對焊 / 套焊球閥
Threaded End / Butt Weld / Socket Weld End Ball Valve

MODEL

一片式 1-PC : 102 / 118 三片式 3-PC : 301 / 302 / 303 / 305 產品介紹
二片式 2-PC : 201 / 202 / 203 / 207 由任端 Union End : 29U Product Introduction

物料表 MATERIAL COMPOSITION

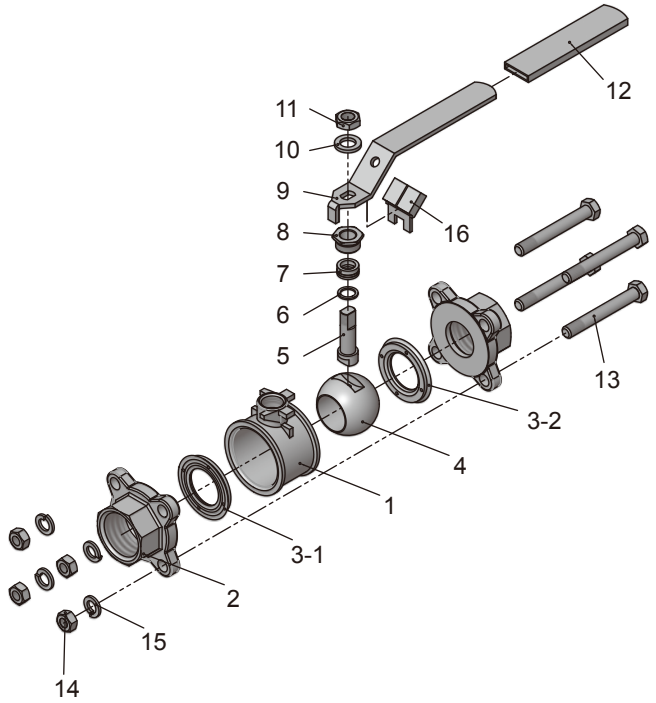
型號 Fig. No. : 301



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Thrust Washer	PTFE	PTFE
7	Packing	PTFE	PTFE
8	Gland Bush	PTFE	PTFE
9	Packing Gland	SS 304	SS 304
10	Handle	SS 304	SS 304
11	Lever Spring Washer	SS 304	SS 304
12	Lever Nut	SS 304	SS 304
13	Handle Cover	VINYL	VINYL
14	Bolt	SS 304	SS 304
15	Nut	SS 304	SS 304
16	Spring Washer	SS 304	SS 304

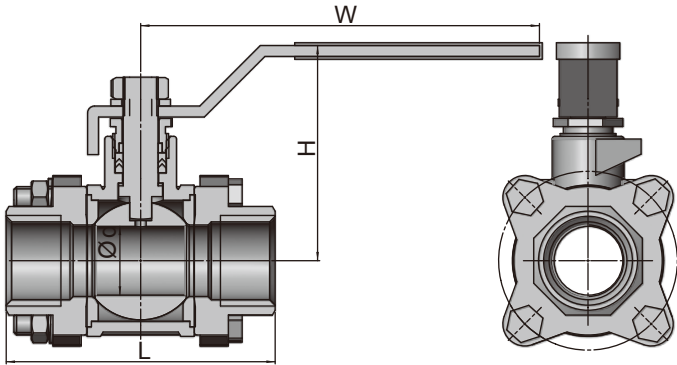
物料表 MATERIAL COMPOSITION

型號 Fig. No. : 302



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Thrust Washer	PTFE	PTFE
7	Packing	PTFE	PTFE
8	Packing Gland	SS 304	SS 304
9	Handle	SS 304	SS 304
10	Lever Spring Washer	SS 304	SS 304
11	Lever Nut	SS 304	SS 304
12	Handle Cover	VINYL	VINYL
13	Bolt	SS 304	SS 304
14	Nut	SS 304	SS 304
15	Spring Washer	SS 304	SS 304
16	Locking Device	SS 304	SS 304

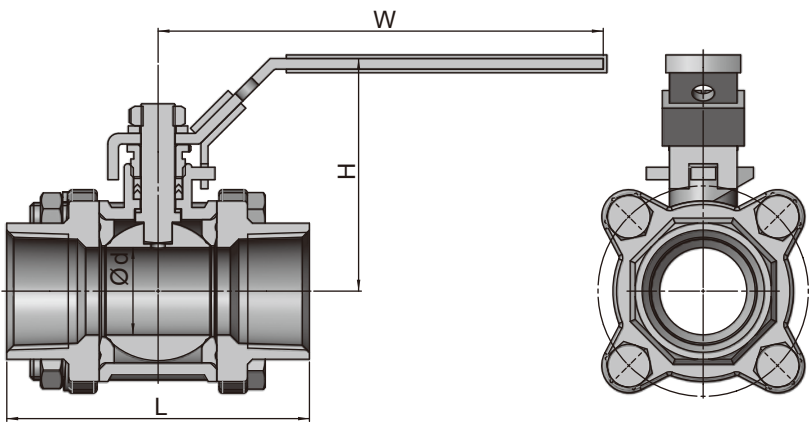
尺寸圖 DIMENSION LIST



SIZE	d	L	W	H
1/4"	11	63.6	103	49.2
3/8"	12.5	63.6	103	49.2
1/2"	15	73.1	103	53.9
3/4"	20	85.9	109	63.3
1"	25	97.8	145	78.2
1-1/4"	32	120.1	145	82.3
1-1/2"	38	133.6	180	93
2"	50	155.4	180	98.7
2-1/2"	65	186.5	230	130
3"	80	221.2	300	142.1
4"	100	241	400	165.5

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
We reserve the right to modify the design / specification without previous notice for better quality.

尺寸圖 DIMENSION LIST



SIZE	d	L	W	H
1/4"	8	55	80	41.4
3/8"	10	55	80	41.4
1/2"	15	65	80	45
3/4"	20	75	100	54.7
1"	24.5	85	125	65.3
1-1/4"	32	100	125	70.9
1-1/2"	38	110	160	84
2"	50	130	160	93.3

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
We reserve the right to modify the design / specification without previous notice for better quality.



球閥

BALL VALVE

SERIES

牙口 / 對焊 / 套焊球閥

Threaded End / Butt Weld / Socket Weld End Ball Valve

MODEL

一片式 1-PC : 102 / 118

二片式 2-PC : 201 / 202 / 203 / 207

三片式 3-PC : 301 / 302 / 303 / 305

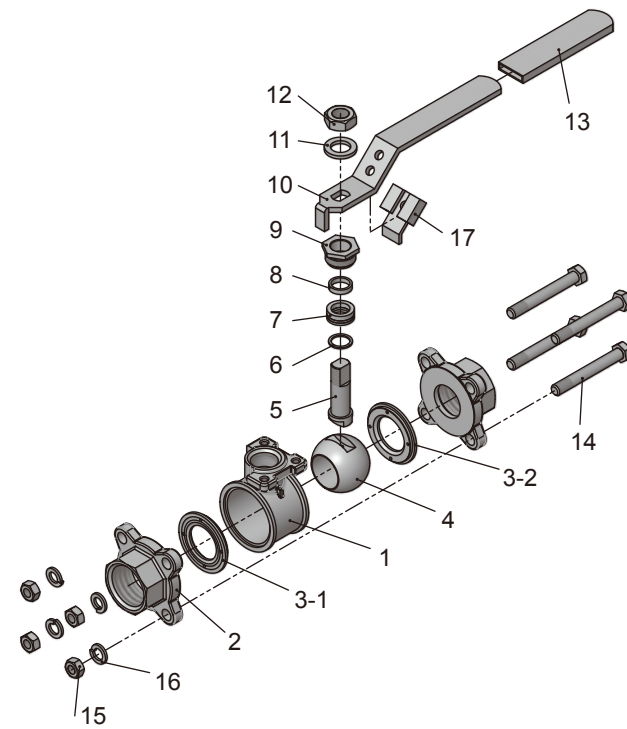
由任端 Union End : 29U

產品介紹

Product Introduction

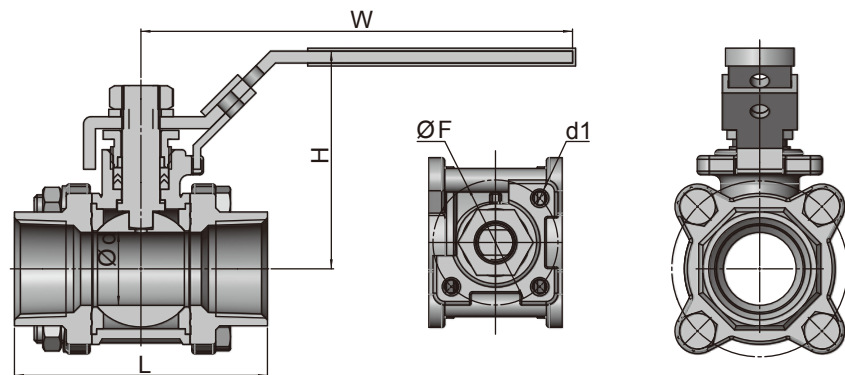
物料表 MATERIAL COMPOSITION

型號 Fig. No. : 303



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Thrust Washer	PTFE	PTFE
7	Packing	PTFE	PTFE
8	Gland Bush	PTFE	PTFE
9	Packing Gland	SS 304	SS 304
10	Handle	SS 304	SS 304
11	Lever Spring Washer	SS 304	SS 304
12	Lever Nut	SS 304	SS 304
13	Handle Cover	VINYL	VINYL
14	Bolt	SS 304	SS 304
15	Nut	SS 304	SS 304
16	Spring Washer	SS 304	SS 304
17	Locking Device	SS 304	SS 304

尺寸圖 DIMENSION LIST

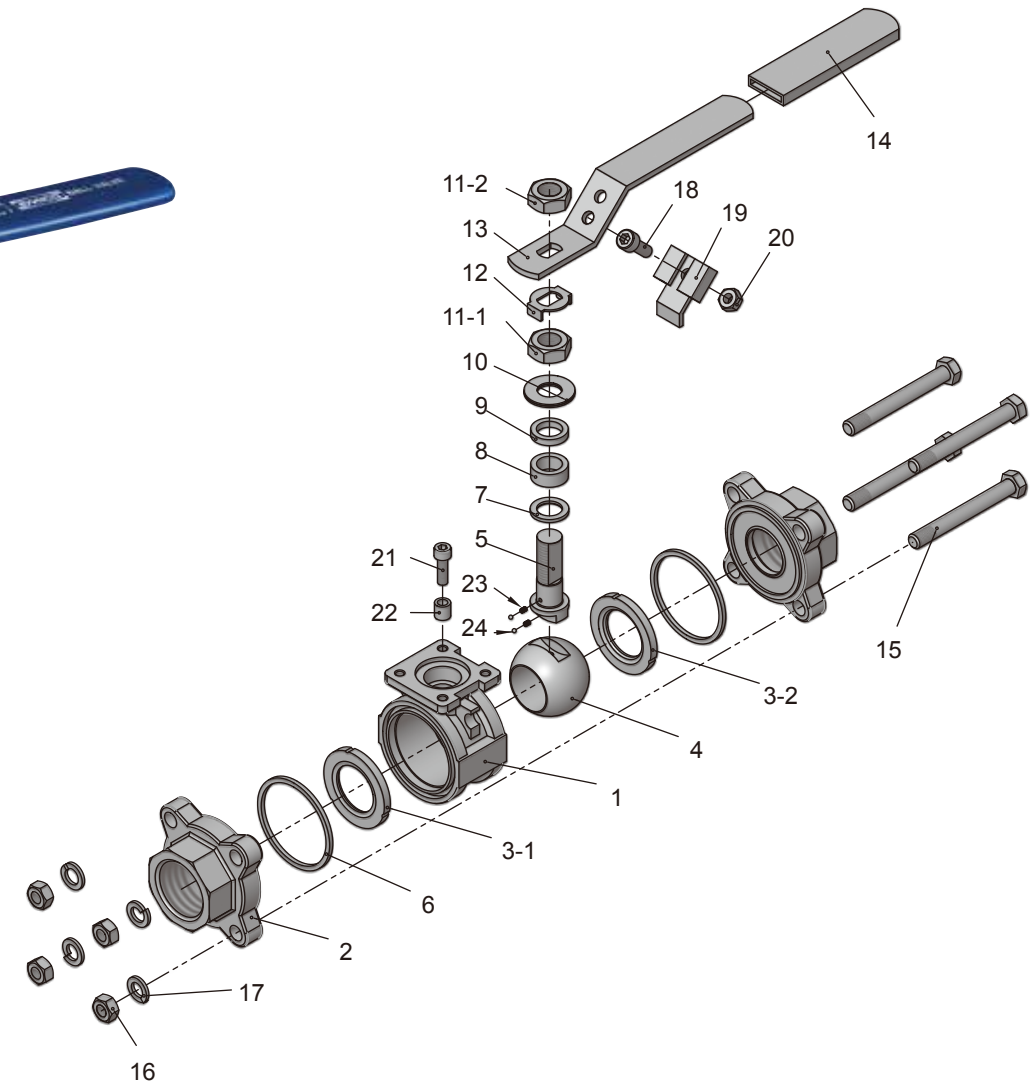


SIZE	d	L	W	H	F	d1
1/4"	10	55	103	46.5	36	M5
3/8"	12.5	55	103	46.5	36	M5
1/2"	15	65	103	49	36	M5
3/4"	20	75	109	58.2	36	M5
1"	24.5	85	145	68.6	42	M5
1-1/4"	32	100	145	74.1	42	M5
1-1/2"	38	110	180	81.6	50	M6
2"	50	130	180	91	50	M6

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

型號 Fig. No. : 305



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE	PTFE
8	Packing	PTFE	PTFE
9	Gland Ring	SS 304	SS 304
10	Lever Spring Washer	SS 304	SS 304
11	Lever Nut	SS 304	SS 304
12	Locking Tab	SS 304	SS 304
13	Handle	SS 304	SS 304
14	Handle Cover	VINYL	VINYL
15	Bolt	SS 304	SS 304
16	Nut	SS 304	SS 304
17	Spring Washer	SS 304	SS 304
18	Screw	SS 304	SS 304
19	Locking Device	SS 304	SS 304
20	Nut	SS 304	SS 304
21	Stop Screw	SS 304	SS 304
22	Stop Ring	SS 304	SS 304
23	Spring	SS 316	SS 316
24	Static Device	SS 316	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.



球閥

BALL VALVE

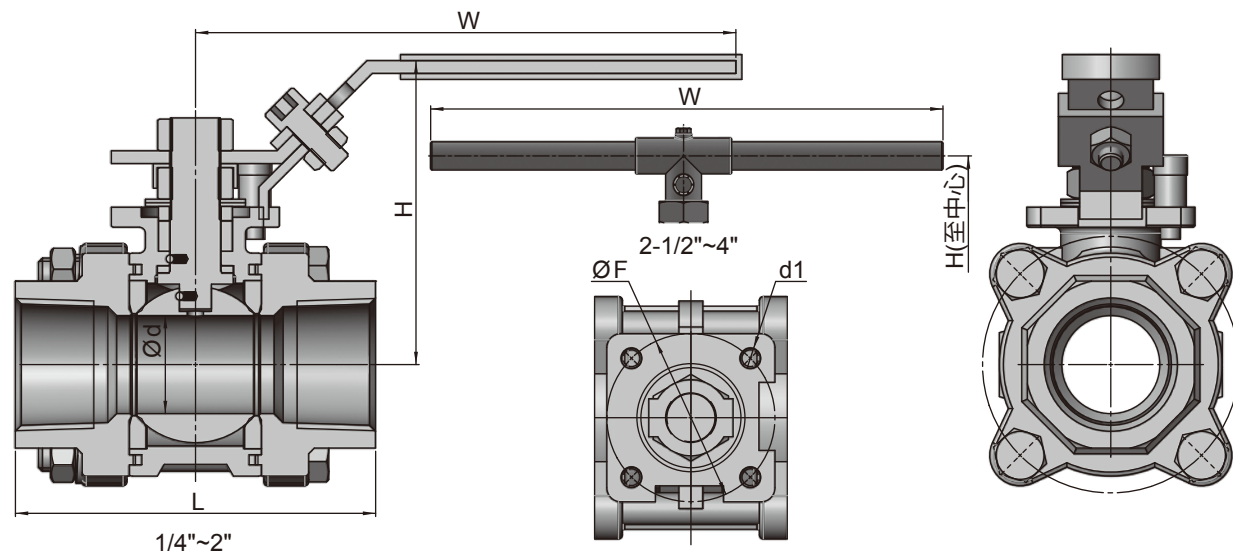
SERIES

牙口 / 對焊 / 套焊球閥

Threaded End / Butt Weld / Socket Weld End Ball Valve

尺寸圖 DIMENSION LIST

型號 Fig. No. : 305



SIZE	d	L	W	H	F	d1
1/4"	10	65	110	46.5	36	M5
3/8"	12.5	65	110	46.5	36	M5
1/2"	16	75	110	52.5	36	M5
3/4"	20	80	110	55	36	M5
1"	24.5	90	135	70.8	42	M5
1-1/4"	32	110	135	76	42	M5
1-1/2"	38	120	165	88.2	50	M6
2"	50	140	165	96.8	50	M6
2-1/2"	65	185	380	138.5	70	M8
3"	80	205	400	159.5	102	M10
4"	100	240	400	174.6	102	M10

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

MODEL

一片式 1-PC : 102 / 118

二片式 2-PC : 201 / 202 / 203 / 207

三片式 3-PC : 301 / 302 / 303 / 305

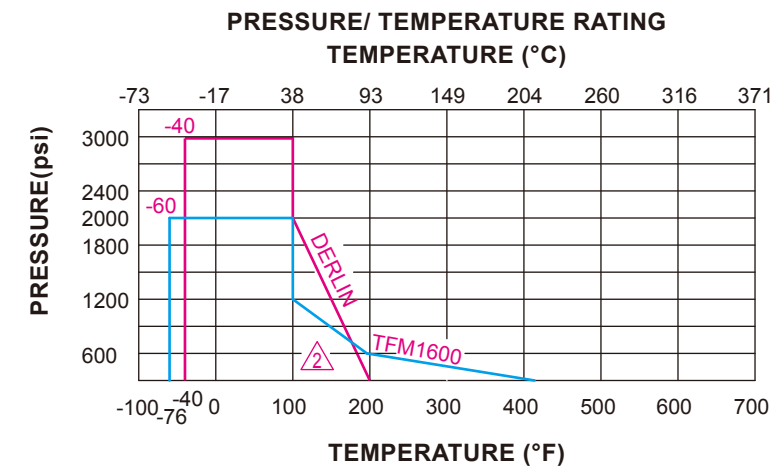
由任端 Union End : 29U

產品介紹

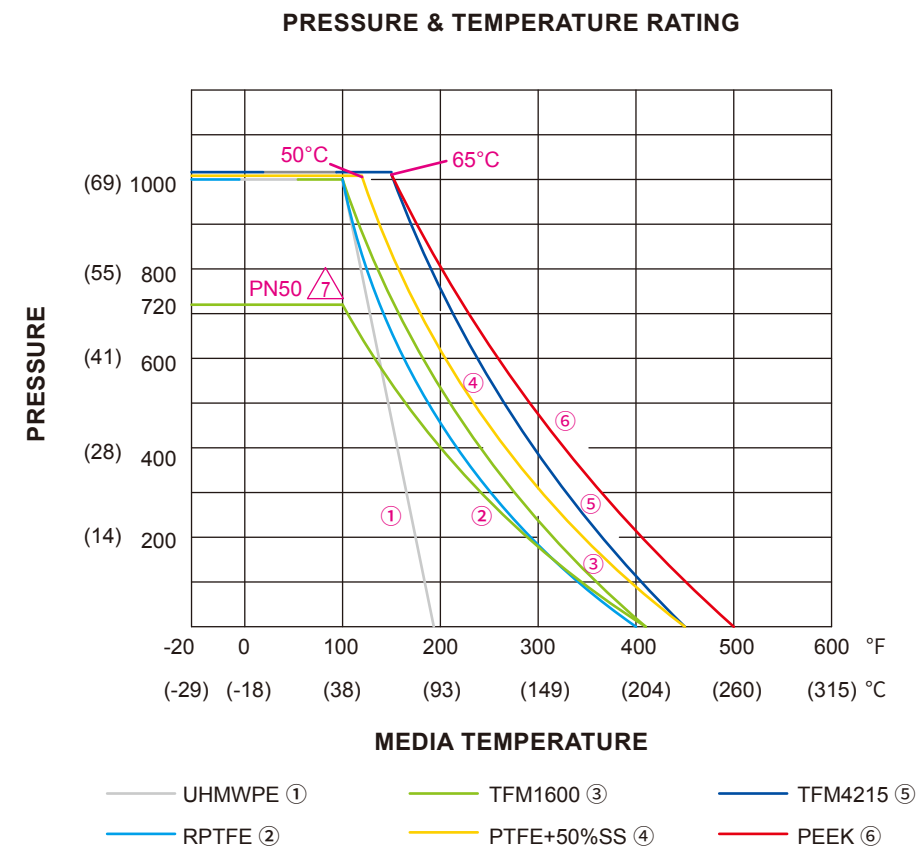
Product Introduction

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 29U



型號 Fig. No. : 102, 201, 202, 207, 301, 302, 303, 305



Remark:

- It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
- For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
- Final selection of seat material is the user's choice, experience & responsibility.
- Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature

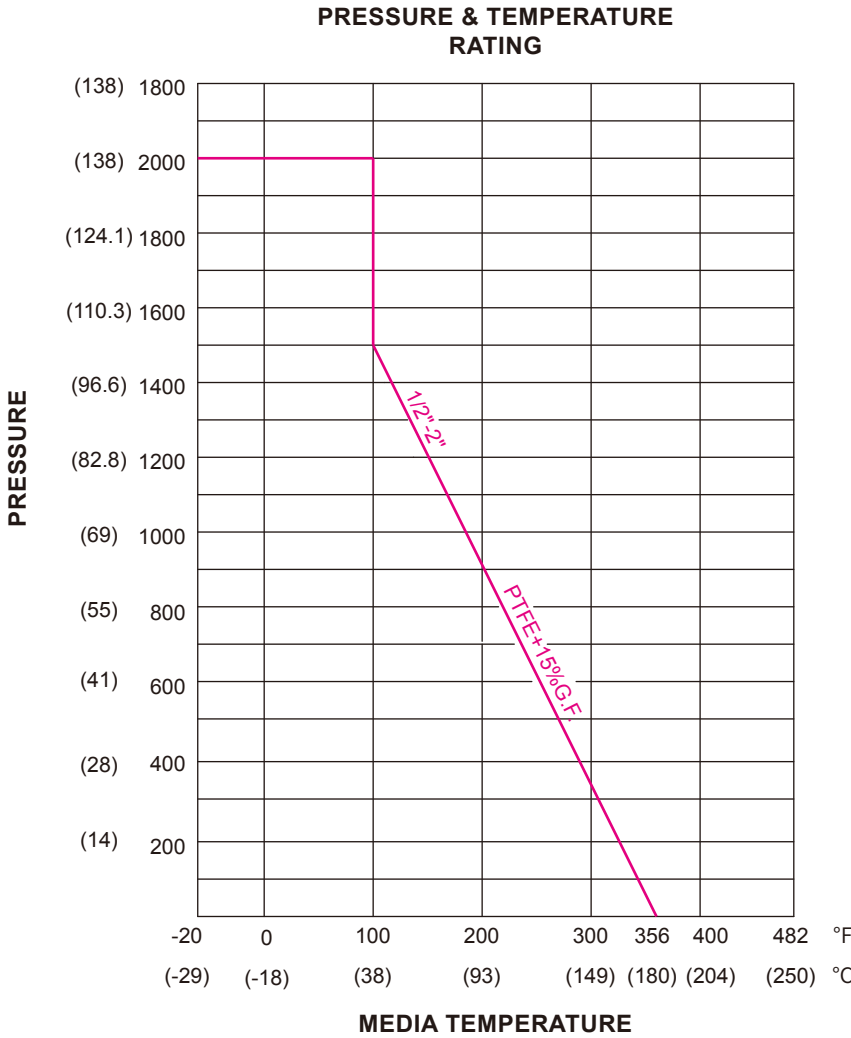


SERIES 牙口 / 對焊 / 套焊球閥
Threaded End / Butt Weld / Socket Weld End Ball Valve

MODEL 一片式 1-PC : 102 / 118 三片式 3-PC : 301 / 302 / 303 / 305 產品介紹
二片式 2-PC : 201 / 202 / 203 / 207 由任端 Union End : 29U Product Introduction

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 118, 203



- Remark:
1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
 2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
 3. Final selection of seat material is the user's choice, experience & responsibility.
 4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature



球閥 BALL VALVE

SERIES

牙口體端焊接球閥

Tack Welded Body Threaded End Ball Valve

MODEL

23H / 23M

產品介紹

Product Introduction



應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, Automotive Industry, General Fluid.

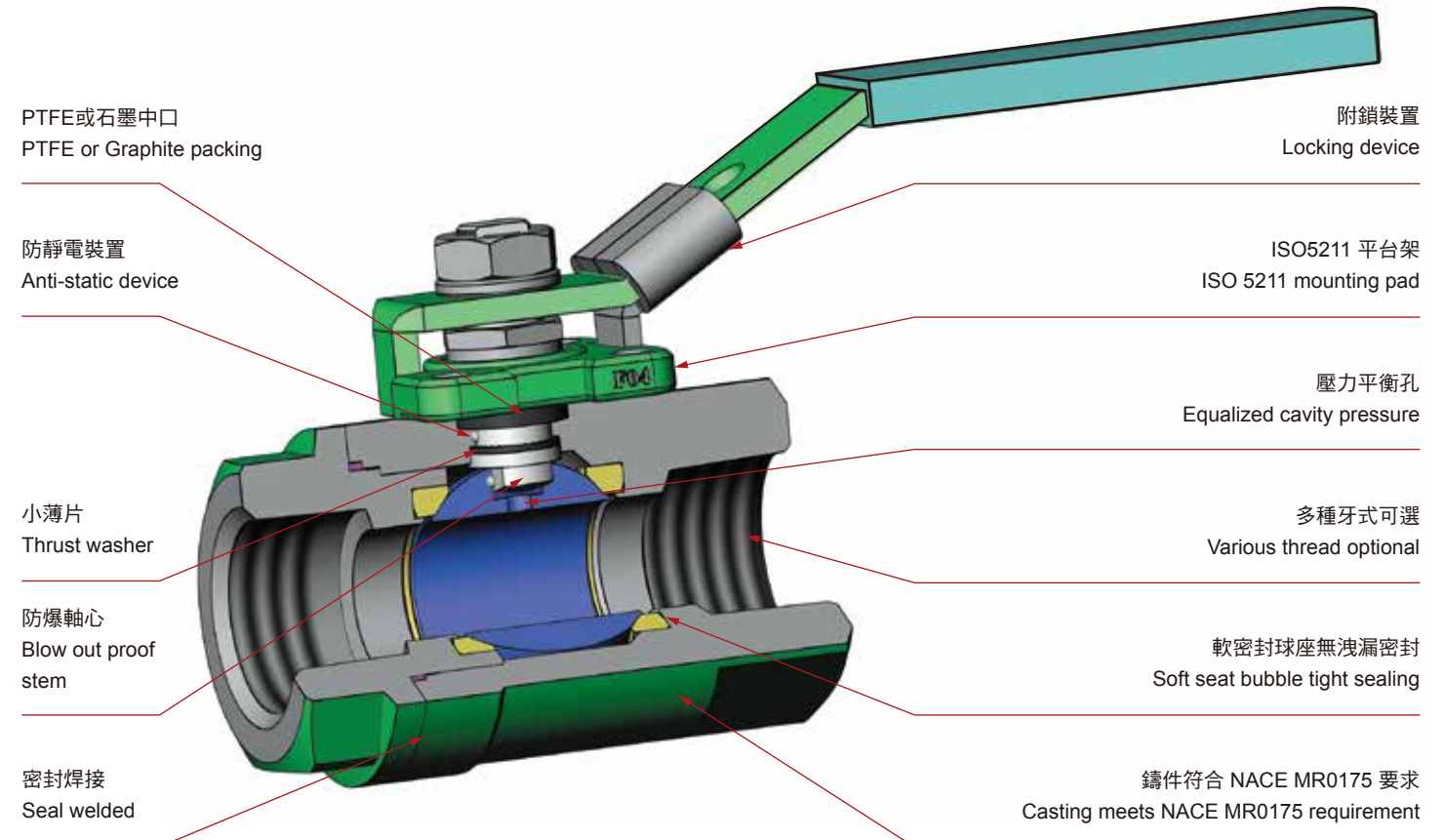
技術資料 TECHNICAL DATA

設計 Design	MSS-SP-110
尺寸 Size	1/4" ~ 2"
壓力等級 Pressure Rating	2000 WOG
端口 End Connections	牙口端 Threaded End
產品檢測 Testing	API 598
流量 Bore	標準流量 Standard Bore
認證 Certificate	API 607: 23H

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 可安裝驅動器的 ISO 平台架。
- RPTFE密封消除了對產品污染的擔憂。
- 防火認證 API 607。可應要求提供。
- 較低的操作扭力，便於操作並降低執行器成本。
- 明確的開關位置指示。
- 防爆軸心。
- NACE MR0175 可應要求提供。
- 可使用附鎖裝置。
- 防靜電裝置。
- 根據 ISO 9001 認證的質量體系製造。
- 多種球座材質可供選擇。
除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * 請參考溫壓圖
- Superior valve design at a competitive price.
- ISO actuator mounting pad available for mount actuator.
- RPTFE seal relieves concern over product contamination.
- Fire test certified to API 607. Available on request.
- Lower operating torque for ease of operation and reduced actuator cost.
- Positive position indication.
- Blowout-proof shaft.
- NACE MR0175 available on request.
- Locking device is available.
- Anti-static Device.
- Manufactured under ISO 9001 certified quality system.
- Various seat material are available.
In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - UHMWPE
- * Please refer to the Pressure-Temperature rating

23H剖面圖





球閥
BALL VALVE

SERIES

牙口體端焊接球閥
Tack Welded Body Threaded End Ball Valve

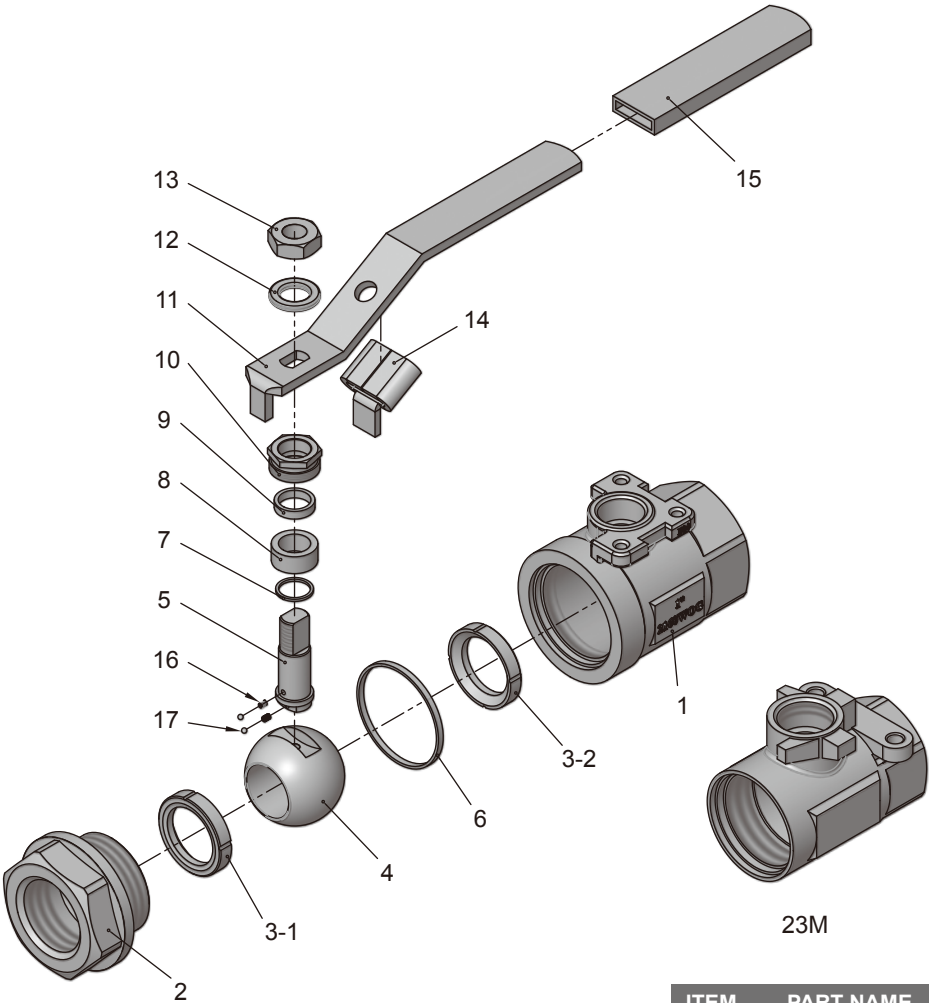
MODEL

23H / 23M

產品介紹

Product Introduction

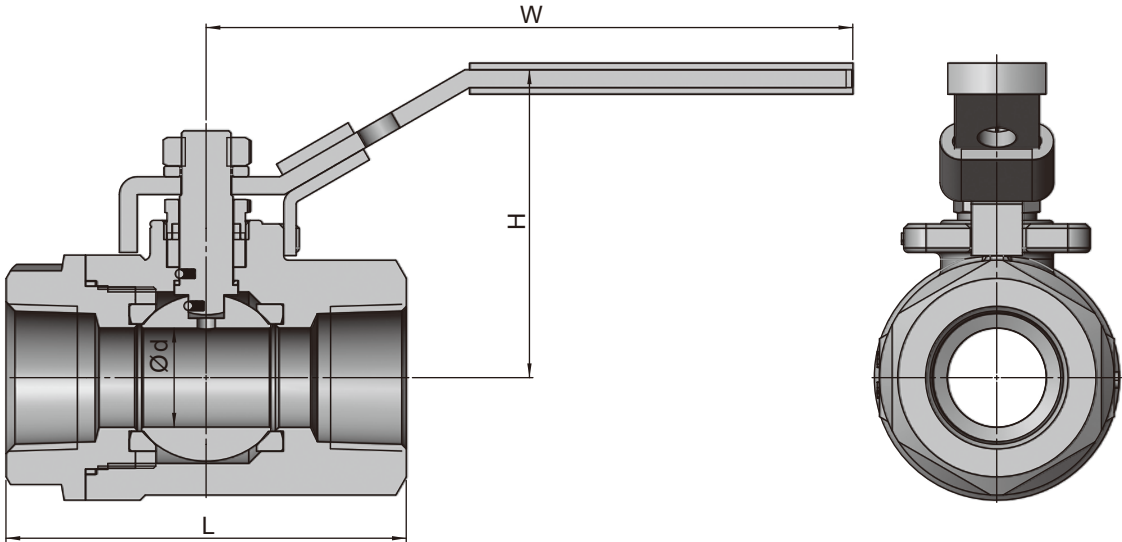
物料表 MATERIAL COMPOSITION



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seat	TFM1600	TFM1600
4	Ball	A351-CF8M	A351-CF8M
5	Stem	SS 316	SS 316
6	Body Seal	TFM1600	TFM1600
7	Thrust Washer	TFM1600	TFM1600
8	Stem Packing	PTFE	PTFE
9	Gland Bush	PTFE	PTFE
10	Packing Gland	SS 304	SS 304
11	Handle	SS 304	SS 304
12	Lever Spring Washer	SS 304	SS 304
13	Lever Nut	SS 304	SS 304
14	Locking Device	SS 304	SS 304
15	Handle Cover	VINYL	VINYL
16	Spring	SS 316	SS 316
17	Anti-Static	SS 316	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
We reserve the right to modify the design / specification without previous noticefor better quality.

尺寸圖 DIMENSION LIST



23H (Class 900)

SIZE	d	L	W	H	ISO5211
1/4"	9.5	67.3	106	45	F03
3/8"	9.5	67.3	106	45	F03
1/2"	12.7	67.3	106	49	F03
3/4"	17.5	78.2	145	63.8	F04
1"	22.2	89.9	145	67.4	F04
1-1/4"	25.4	101.9	192	73.7	F05
1-1/2"	32	108.2	192	78.5	F05
2"	38.1	125.5	192	85.8	F05

23M (Class 800)

SIZE	d	L	W	H
1/4"	9.5	52.8	106	45
3/8"	9.5	52.8	106	45
1/2"	12.7	59.5	106	49
3/4"	17.5	71	145	63.8
1"	22.2	82.7	145	67.4
1-1/4"	25.4	91.4	192	73.7
1-1/2"	32	103	192	78.5
2"	38.1	110	192	85.8

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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球閥
BALL VALVE

SERIES

牙口體端焊接球閥

Tack Welded Body Threaded End Ball Valve

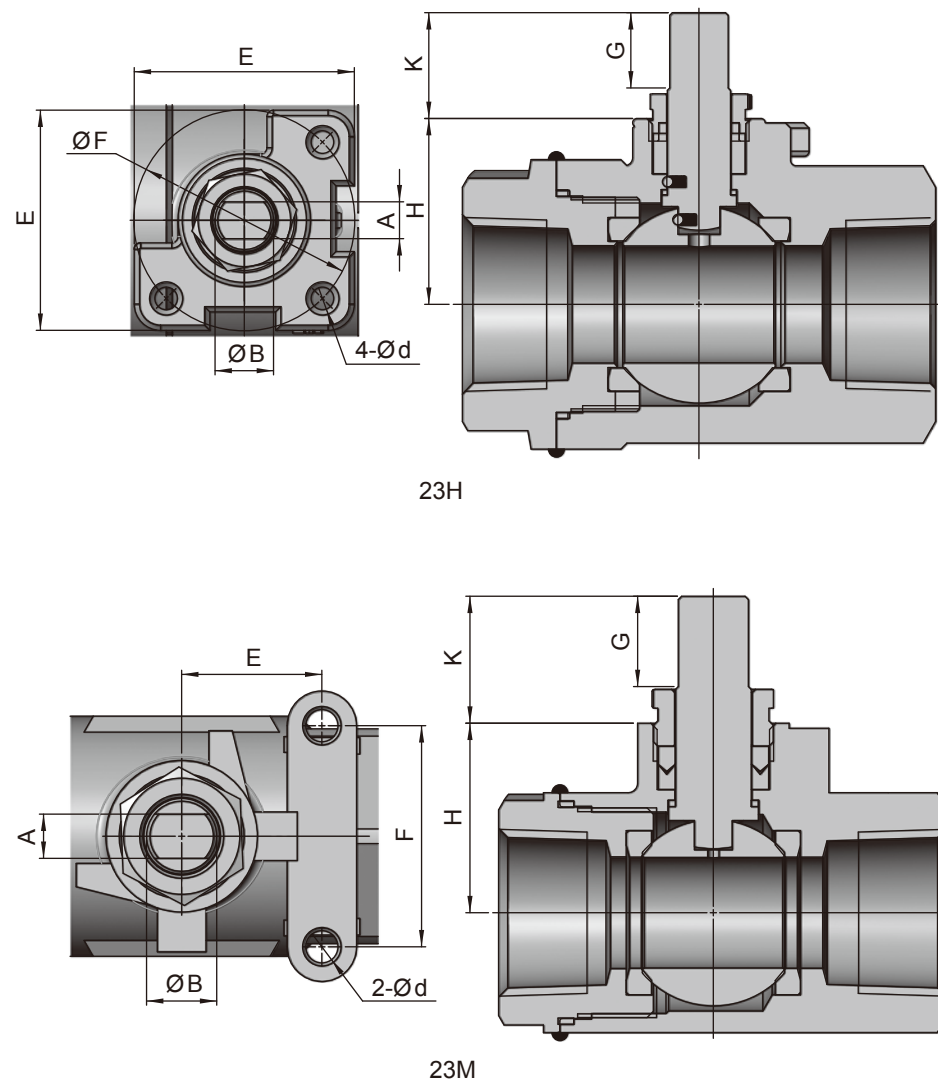
MODEL

23H / 23M

產品介紹

Product Introduction

平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



23H (Class 900)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/4"	5	7.9	M5	36.9	36	8.5	12	22.8	F03
3/8"	5	7.9	M5	36.9	36	8.5	12	22.8	F03
1/2"	5	7.9	M5	36.9	36	10	15	25.4	F03
3/4"	7	11.1	M5	42	42	14.3	20.1	32.1	F04
1"	7	11.1	M5	42	42	14.3	20.1	35.3	F04
1-1/4"	9	14.2	M6	50	50	16	22.7	42.2	F05
1-1/2"	9	14.2	M6	50	50	16	22.7	47.5	F05
2"	9	14.2	M6	50	50	18	28	51.9	F05

23M (Class 800)

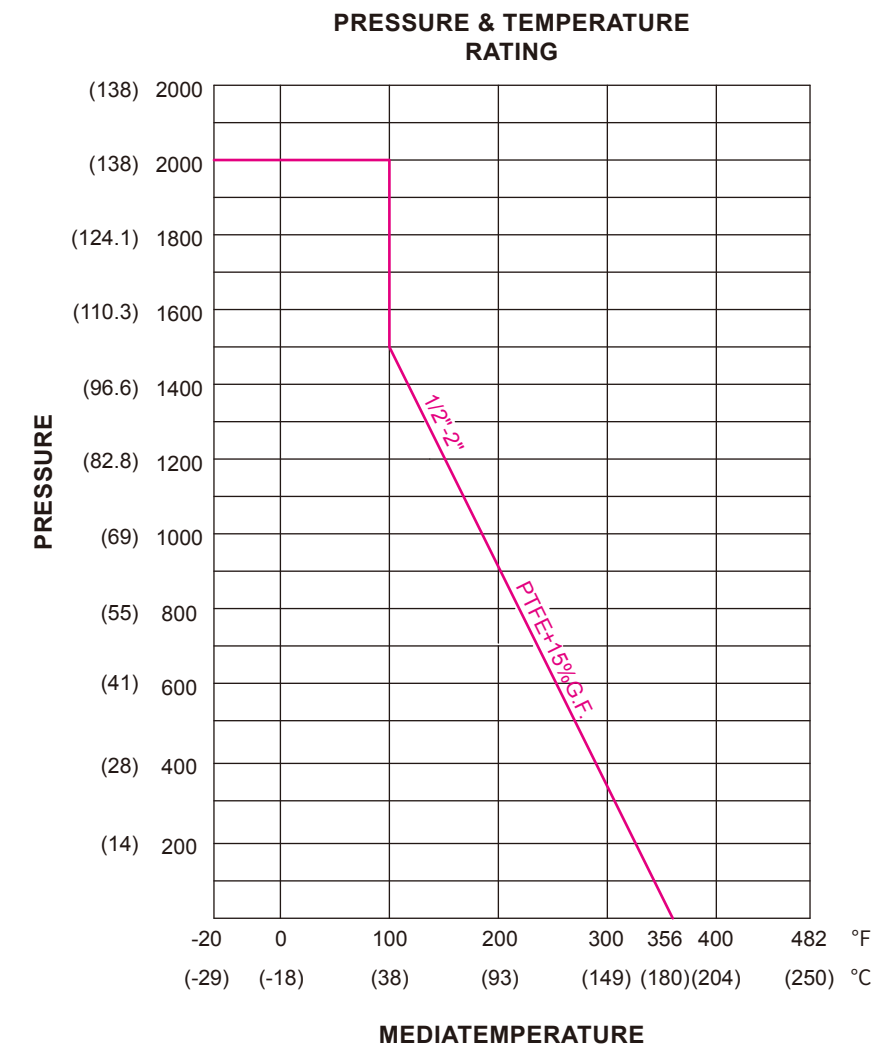
SIZE	A	B	d	E	F	G	K	H
1/4"	5	7.9	10#-24 UNC	12.7	28.5	8.5	13.5	20
3/8"	5	7.9	10#-24 UNC	12.7	28.5	8.5	13.5	20
1/2"	5	7.9	10#-24 UNC	12.7	28.5	10	15	24
3/4"	7	11.1	10#-24 UNC	22	35	14.3	20.1	30
1"	7	11.1	10#-24 UNC	22.2	35	14.3	19.7	34
1-1/4"	9	14.2	1/4"-20 UNC	23.6	38	16	22	40.2
1-1/2"	9	14.2	1/4"-20 UNC	23.6	38	16	22	45
2"	9	14.2	1/4"-20 UNC	23.6	38	18	25.3	51

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 23M

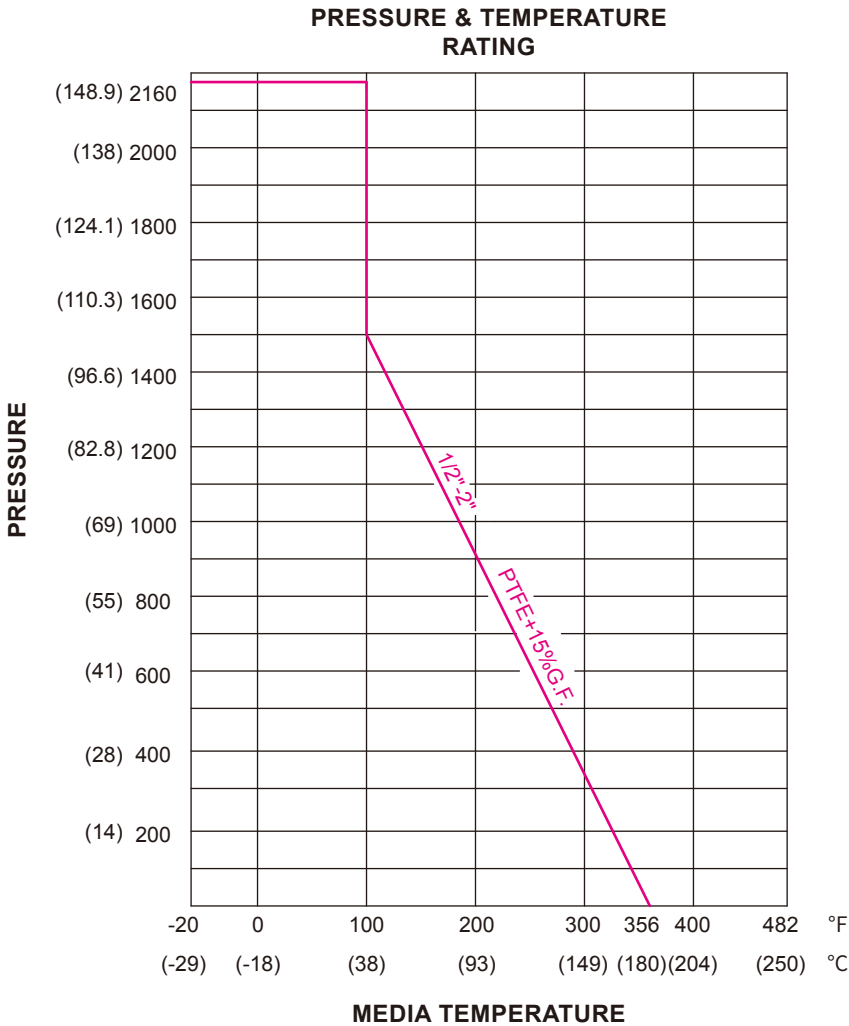


Remark:

- It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
- For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
- Final selection of seat material is the user's choice, experience & responsibility.
- Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 23H



- Remark:
- 1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
 - 2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
 - 3. Final selection of seat material is the user's choice, experience & responsibility.
 - 4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature



SERIES

牙口 / 對焊 / 套焊高平台球閥
ISO Direct Mounting Pad Threaded BW SW Ball Valve

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, Automotive Industry, General Fluid.

技術資料 TECHNICAL DATA

設計 Design	EN12516-1/-3
尺寸 Size	1/4" ~ 4" (DN8 ~ DN100)
壓力等級 Pressure Rating	1000WOG (PN63): 27T, 307 2000WOG (PN100/PN138): 309
端口 End connections	牙口端、套焊端、對焊端、長焊端、 加長短管可根據要求提供 Threaded End, Socket Weld End, Butt Weld End, Long Butt Weld End, Pup extension is available on request
產品檢測 Testing	API 598, EN12266-1
流量 Bore	全流量 Full Bore
認證 Certificate	API 607: 307, 309 TA-Luft: 307 AGA AS 4617, AS 4629: 309 ISO 15848-1: 307 ATEX: 27T, 307, 309



特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 易燃和非易燃非應用的逸散性洩漏控制，可應要求提供。(307)
- 閥門逸散性排放能力通過 ISO 15848-1 第三方控制，可應要求提供。(307)
- 自動調整負載，自動調整的中口迫緊及盤華司可提供好的密封與防止洩漏。
- 可直接安裝執行器的 ISO 平台架，不需支架連接桿，節省成本、空間及時間。
- 延長軸心及延長端蓋可應要求提供。
- 特別適於天然氣&液化天然氣產業。(307, 309)。
- RPTFE密封消除了對產品污染的擔憂。
- 防火認證 API 607。可應要求提供 (307, 309)。
- 較低的操作扭力，便於操作並降低執行器成本。
- 明確的開關位置指示。
- 防爆軸心。
- NACE MR0175 可應要求提供。
- 可使用附鎖裝置。
- 防靜電裝置。
- 根據 ISO 9001 認證的質量體系製造。
- 標準 CE 標示 PED 2014/68/EU，可應要求提供。
- 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。每個球座選項將滿足廣泛的性能，適用於許多應用：
 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
- * 請參考溫壓圖
- Superior valve design at a competitive price.
- Fugitive emissions control for flammable and non-flammable applications. Available on request. (307)
- Valve fugitive emissions capability third-party certified to ISO 15848-1. Available on request. (307)
- Live loaded, self-adjusting packing and Belleville washers provide better sealing and defense against leaking.
- Machined ISO actuator mounting pad for directly mount actuator, bracket and adaptor is unnecessary, save cost, space and time.
- Extension stem and extension pup end is available on request.
- Particularly suitable for CNG & LNG industry. (307, 309)
- RPTFE seal relieves concern over product contamination.
- Fire test certified to API 607. Available on request. (307, 309)
- Lower operating torque for ease of operation and reduced actuator cost.
- Positive position indication.
- Blowout-proof shaft.
- NACE MR0175 available on request.
- Locking device is available.
- Anti-static device.
- Manufactured under ISO 9001 certified quality system.
- CE marking PED 2014/68/EU as standard. Available on request.
- Various seat material are available.
- In addition to standard seat material, following variety is available. Each material option will meet a wide range of performance, suitable for many applications.
 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
- * Please refer to the Pressure-Temperature rating

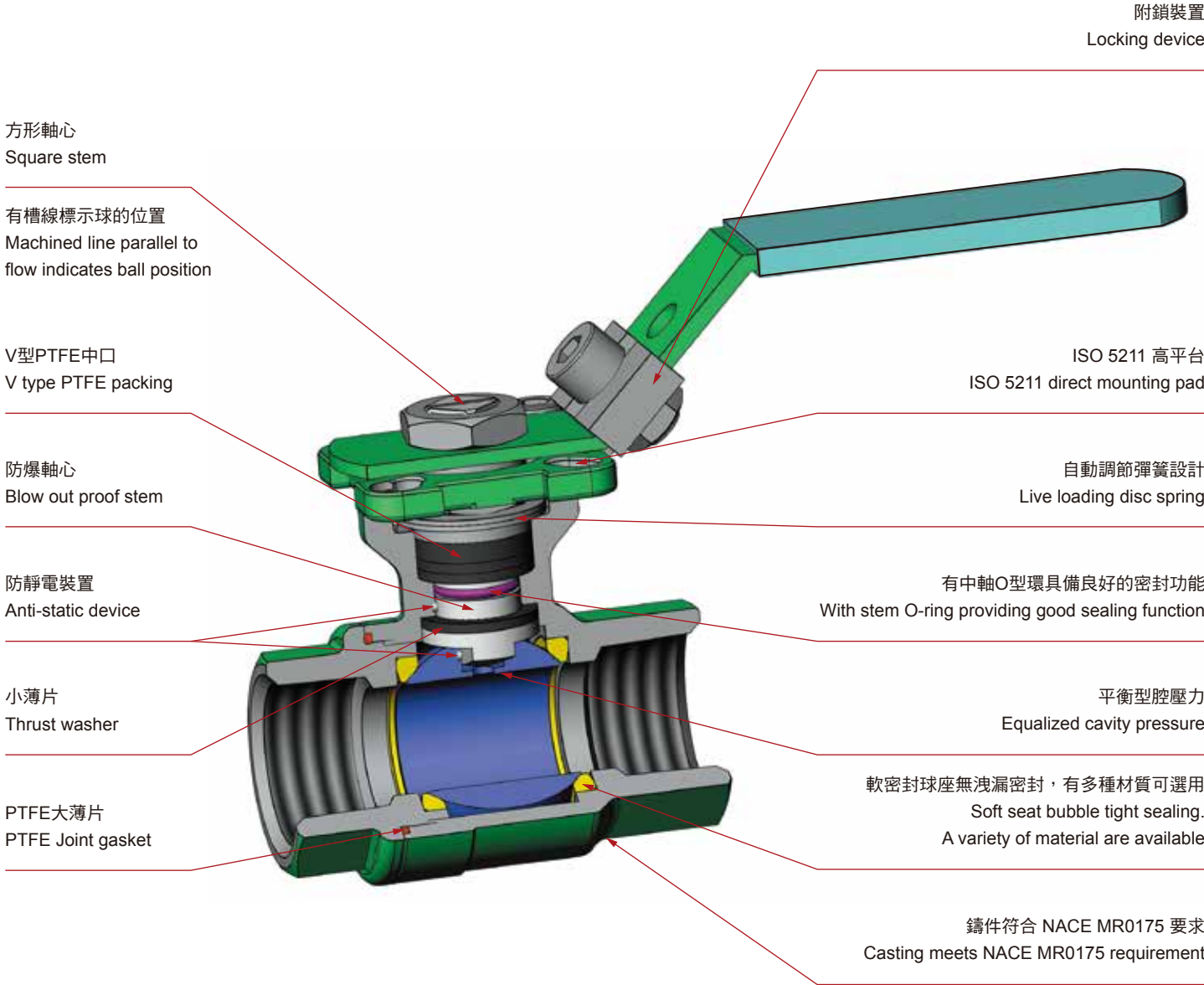
MODEL

27T / 307 / 309

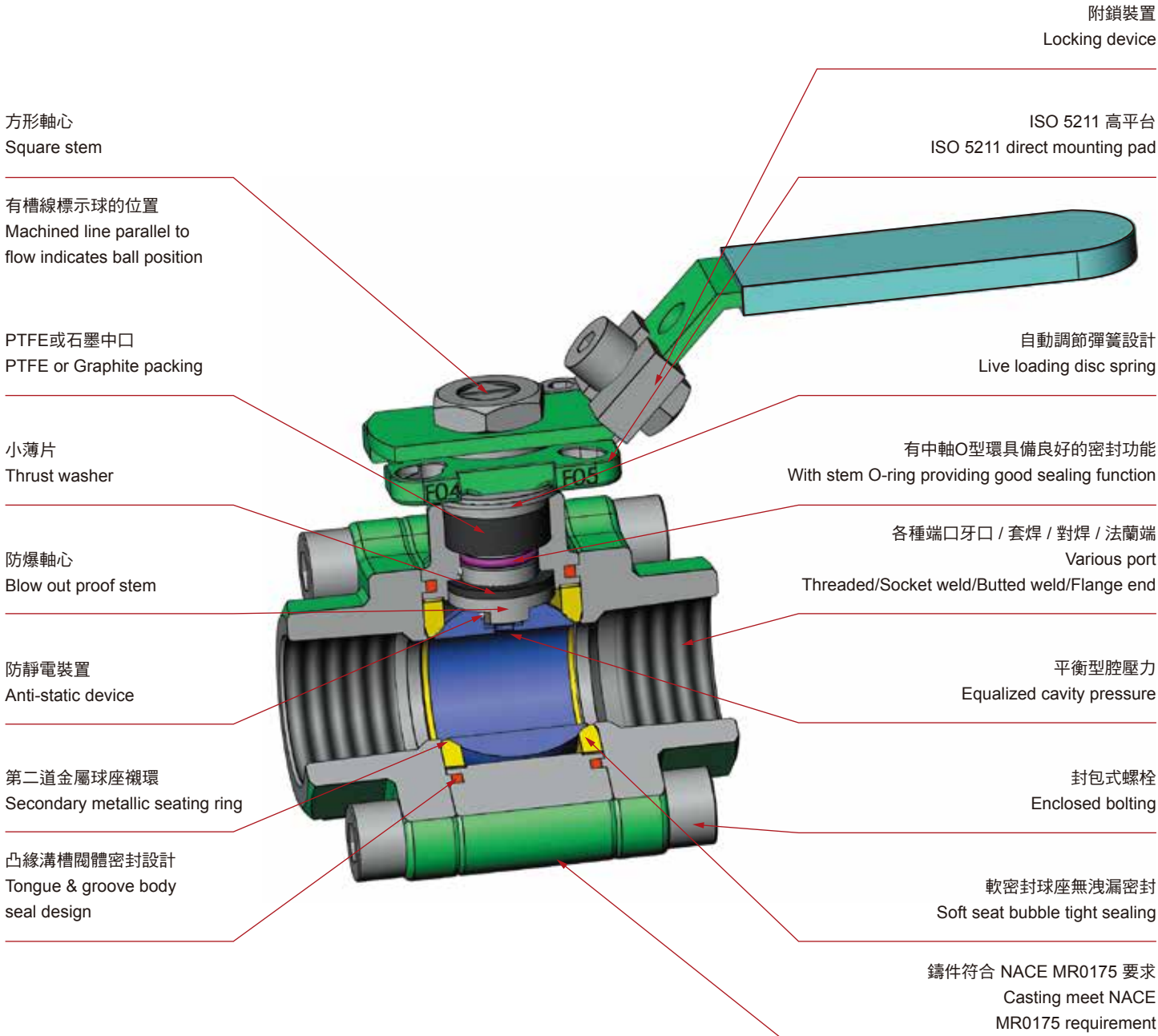
產品介紹

Product Introduction

27T剖面圖

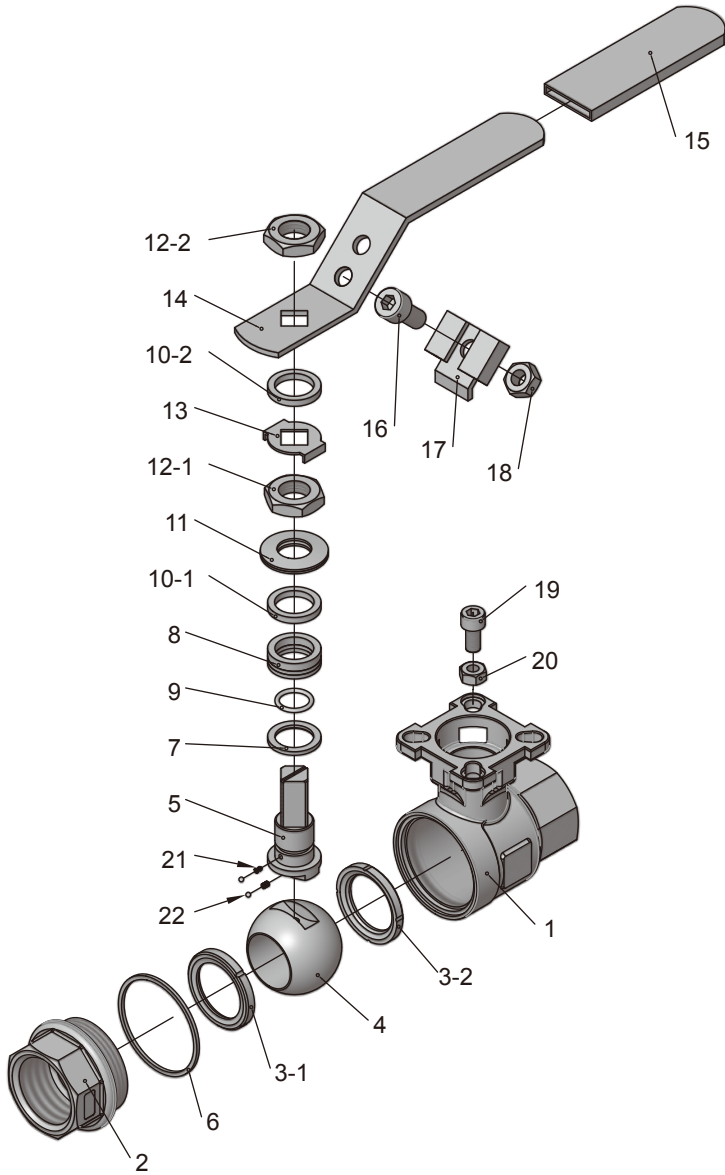


309剖面圖



型號 Fig. No. : 27T

物料表 MATERIAL COMPOSITION



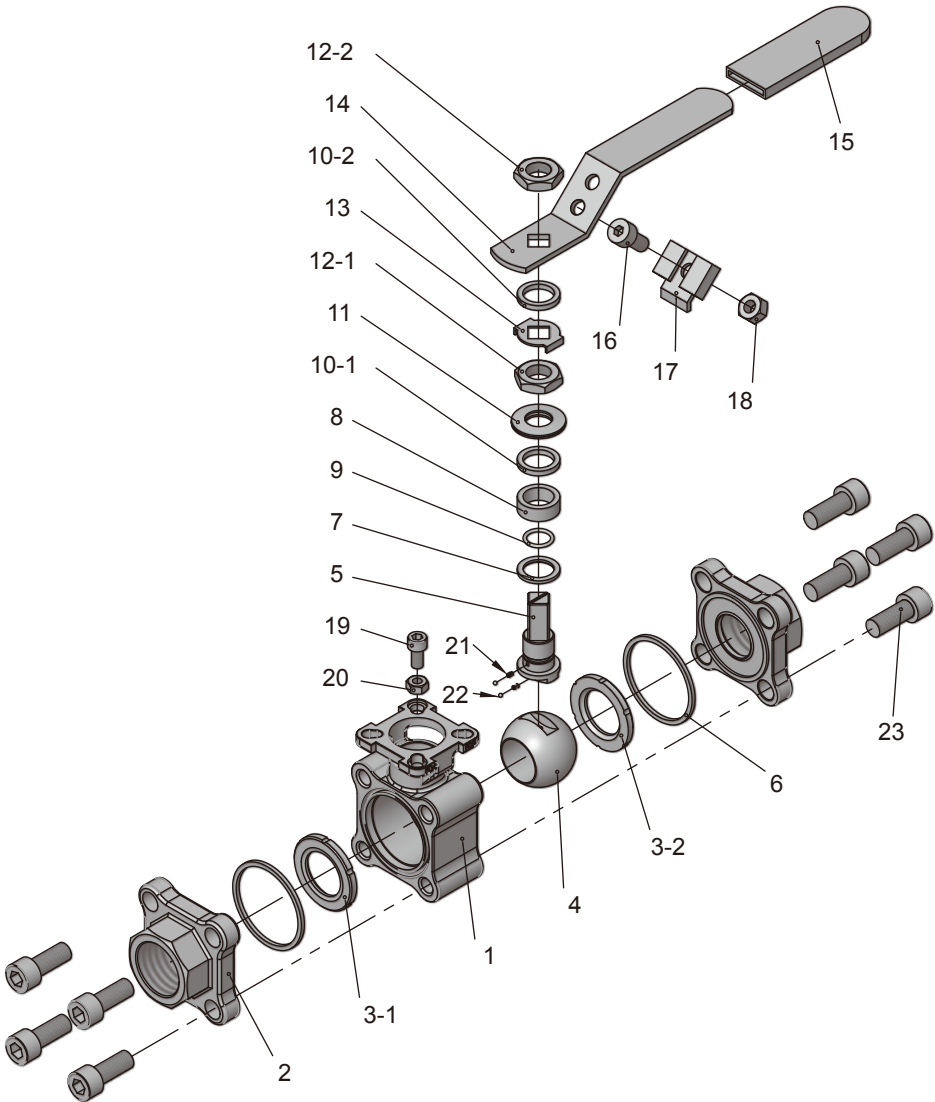
ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE+15%G.F.	PTFE+15%G.F.
8	Packing	PTFE	PTFE
9	O-Ring	VITON	VITON
10	Gland Ring	SS 304	SS 304
11	Belleville Spring Washer	SS 301	SS 301

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
12	Lever Nut	SS 304	SS 304
13	Locking Tab	SS 304	SS 304
14	Handle	SS 304	SS 304
15	Handle Cover	VINYL	VINYL
16	Screw	SS 304	SS 304
17	Locking Device	SS 304	SS 304
18	Nut	SS 304	SS 304
19	Stop Screw	SS 304	SS 304
20	Stop Nut	SS 304	SS 304
21	Spring	SS 316	SS 316
22	Static Device	SS 316	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
We reserve the right to modify the design / specification without previous notice for better quality.

物料表 MATERIAL COMPOSITION

型號 Fig. No. : 309



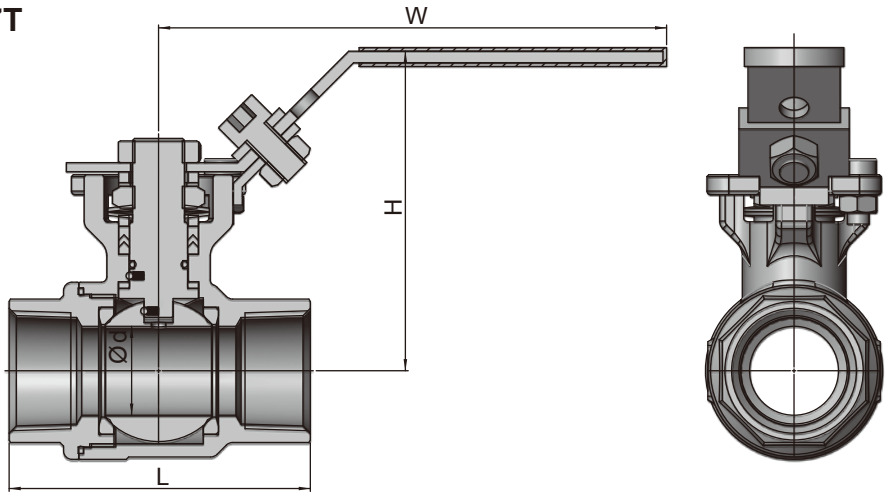
ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB
2	End Caps	A351-CF8M	A216-WCB
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.
4	Ball	A351-CF8M	A351-CF8
5	Stem	SS 316	SS 304
6	Body Seal	PTFE	PTFE
7	Thrust Washer	PTFE+15%G.F.	PTFE+15%G.F.
8	Packing	PTFE	PTFE
9	O-Ring	VITON	VITON
10	Gland Ring	SS 304	SS 304
11	Belleville Spring Washer	SS 301	SS 301

ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
12	Lever Nut	SS 304	SS 304
13	Locking Tab	SS 304	SS 304
14	Handle	SS 304	SS 304
15	Handle Cover	VINYL	VINYL
16	Screw	SS 304	SS 304
17	Locking Device	SS 304	SS 304
18	Nut	SS 304	SS 304
19	Stop Screw	SS 304	SS 304
20	Stop Nut	SS 304	SS 304
21	Spring	SS 316	SS 316
22	Static Device	SS 316	SS 316
23	Bolt	A2-70	12.9

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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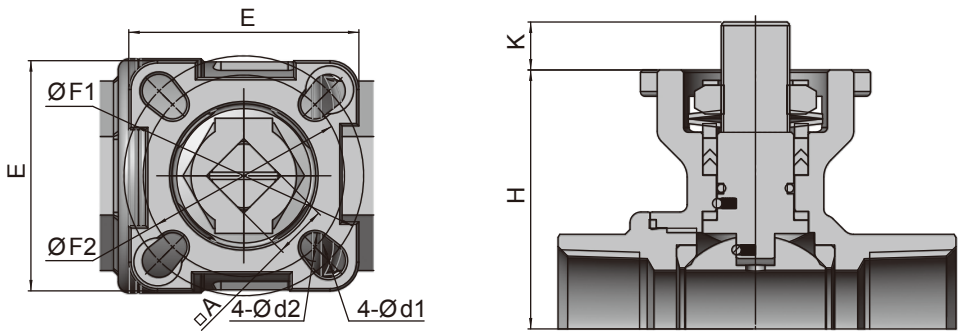
尺寸圖 DIMENSION LIST

型號 Fig. No. : 27T



SIZE	d	L	W	H	ISO5211
1/4"	11.1	57	110	72.7	F04/F05
3/8"	11.1	57	110	72.7	F04/F05
1/2"	15	57	110	72.7	F04/F05
3/4"	20	71	110	72.7	F04/F05
1"	25	83	135	83.5	F04/F05
1-1/4"	32	91	165	88.7	F05/F07
1-1/2"	38	104	165	100.8	F05/F07
2"	50	123	165	118	F05/F07
2-1/2"	65	155	300	155	F07/F10
3"	80	182	335	165	F07/F10
4"	100	240	335	180	F07/F10

平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



SIZE	A	d1	d2	E	F1	F2	K	H	ISO5211
1/4"	9	7	6	48	50	42	8	42.3	F04/F05
3/8"	9	7	6	48	50	42	8	42.3	F04/F05
1/2"	9	7	6	48	50	42	8	42.3	F04/F05
3/4"	9	7	6	48	50	42	8	44.8	F04/F05
1"	11	7	6	48	50	42	10	54	F04/F05
1-1/4"	11	9	7	68	70	50	10	59.2	F05/F07
1-1/2"	11	9	7	68	70	50	10	71.3	F05/F07
2"	14	9	7	68	70	50	14.8	82.9	F05/F07
2-1/2"	17	11	9	94	102	70	17.1	107	F07/F10
3"	17	11	9	94	102	70	17.1	117.3	F07/F10
4"	17	11	9	94	102	70	17.1	132.3	F07/F10

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球閥

BALL VALVE

SERIES

牙口 / 對焊 / 套焊高平台球閥

ISO Direct Mounting Pad Threaded BW SW Ball Valve

MODEL

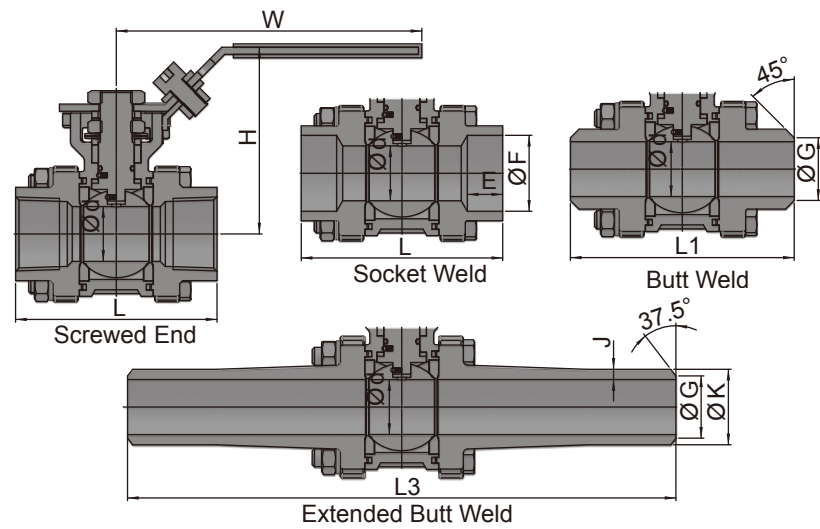
27T / 307 / 309

產品介紹

Product Introduction

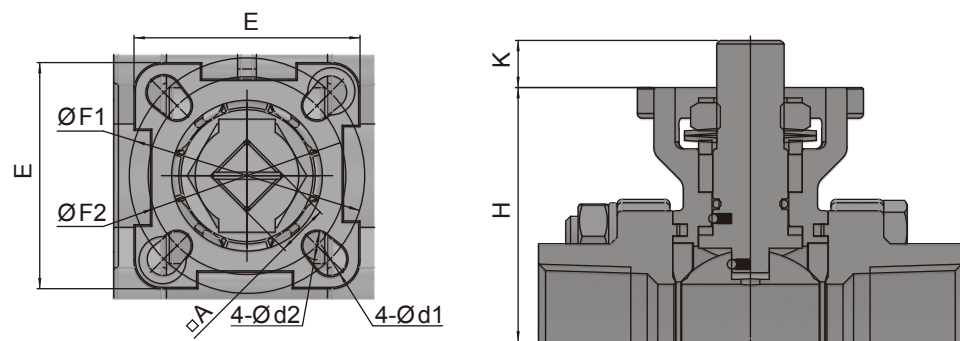
尺寸圖 DIMENSION LIST

型號 Fig. No. : 307



SIZE	d	L	L1	L3	W	H	E	F	G	K	J SCH40	ISO5211
1/4"	11.1	75	75	-	110	70.9	10	14.2	13	-	-	F03/F04
3/8"	11.1	75	75	-	110	70.9	10	17.7	13	-	-	F03/F04
1/2"	16	75	75	225	110	70.9	11.2	21.8	17	21.3	2.77	F03/F04
3/4"	20	80	90	225	110	73.4	14.3	27.2	22	26.9	2.87	F03/F04
1"	24.5	90	100	245	135	84.1	15.8	33.9	28	33.7	3.38	F04/F05
1-1/4"	32	110	110	255	165	89.3	17.5	42.7	37	42.4	3.56	F04/F05
1-1/2"	38	120	125	260	165	109.5	19.1	48.8	43	48.3	3.68	F05/F07
2"	50	140	150	275	165	118.9	21.3	61.2	54	60.3	3.91	F05/F07
2-1/2"	65	185	190	334	300	155	22	74	72	76.1	5.16	F07/F10
3"	80	205	220	354	335	165	26	90	84	88.9	5.49	F07/F10
4"	100	240	270	365	335	180	32	115.6	109	114.3	5.74	F07/F10

平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



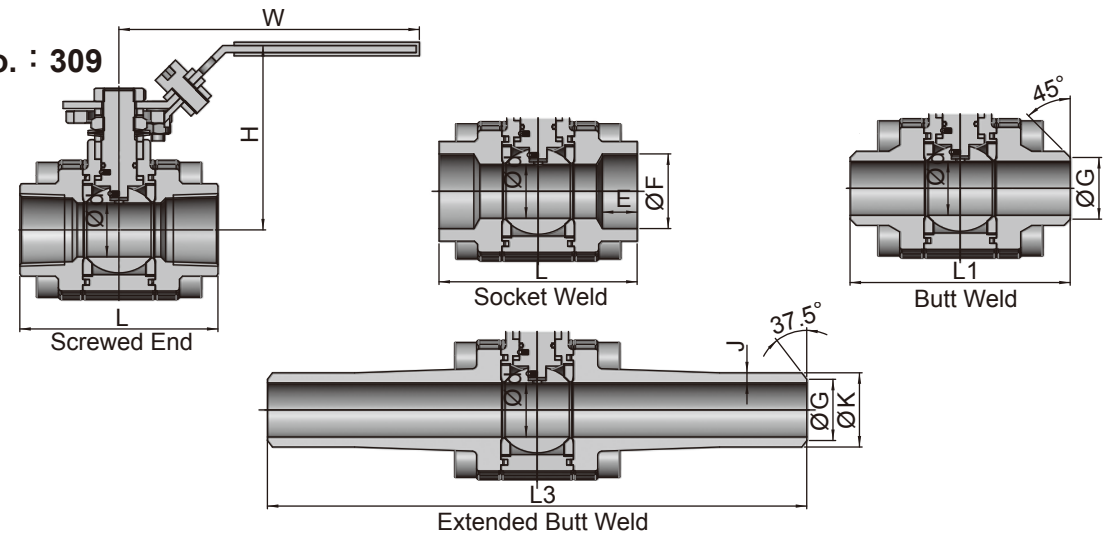
SIZE	A	d1	d2	E	F1	F2	K	H	ISO5211
1/4"	9	6	6	42	42	36	8	42.3	F03/F04
3/8"	9	6	6	42	42	36	8	42.3	F03/F04
1/2"	9	6	6	42	42	36	8	42.3	F03/F04
3/4"	9	6	6	42	42	36	8	44.8	F03/F04
1"	11	7	6	48	50	42	10	54	F04/F05
1-1/4"	11	7	6	48	50	42	10	59.2	F04/F05
1-1/2"	14	9	7	68	70	50	14.8	73.5	F05/F07
2"	14	9	7	68	70	50	14.8	82.9	F05/F07
2-1/2"	17	11	9	94	102	70	17.1	107	F07/F10
3"	17	11	9	94	102	70	17.1	117.3	F07/F10
4"	17	11	9	94	102	70	17.1	132.3	F07/F10

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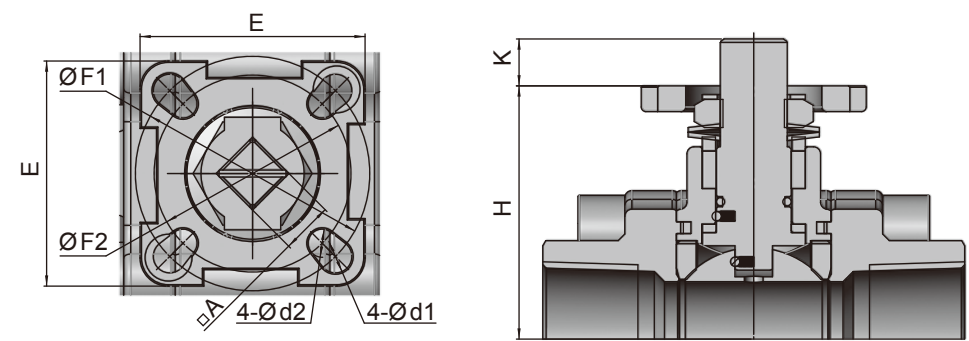
尺寸圖 DIMENSION LIST

型號 Fig. No. : 309



SIZE	d	L	L1	L3	W	H	E	F	G	K	J SCH40	SCH80	ISO5211
1/4"	11.1	75	75	-	110	70.9	10	14.2	13	-	-	-	F03/F04
3/8"	11.1	75	75	-	110	70.9	10	17.7	13	-	-	-	F03/F04
1/2"	16	75	75	225	110	70.9	11.2	21.8	17	21.3	2.77	3.73	F03/F04
3/4"	20	80	90	225	110	73.4	14.3	27.2	22	26.9	2.87	3.91	F03/F04
1"	24.5	90	100	245	135	84.1	15.8	33.9	28	33.7	3.38	4.55	F04/F05
1-1/4"	32	110	110	255	165	89.3	17.5	42.7	37	42.4	3.56	4.85	F04/F05
1-1/2"	38	120	125	260	165	109.5	19.1	48.8	43	48.3	3.68	5.08	F05/F07
2"	50	140	150	275	165	118.9	21.3	61.2	54	60.3	3.91	5.51	F05/F07
2-1/2"	65	185	190	334	300	155	22	74	72	-	-	-	F07/F10
3"	80	205	220	354	335	165	26	90	84	-	-	-	F07/F10
4"	100	240	270	365	335	180	32	115.6	109	-	-	-	F07/F10

平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



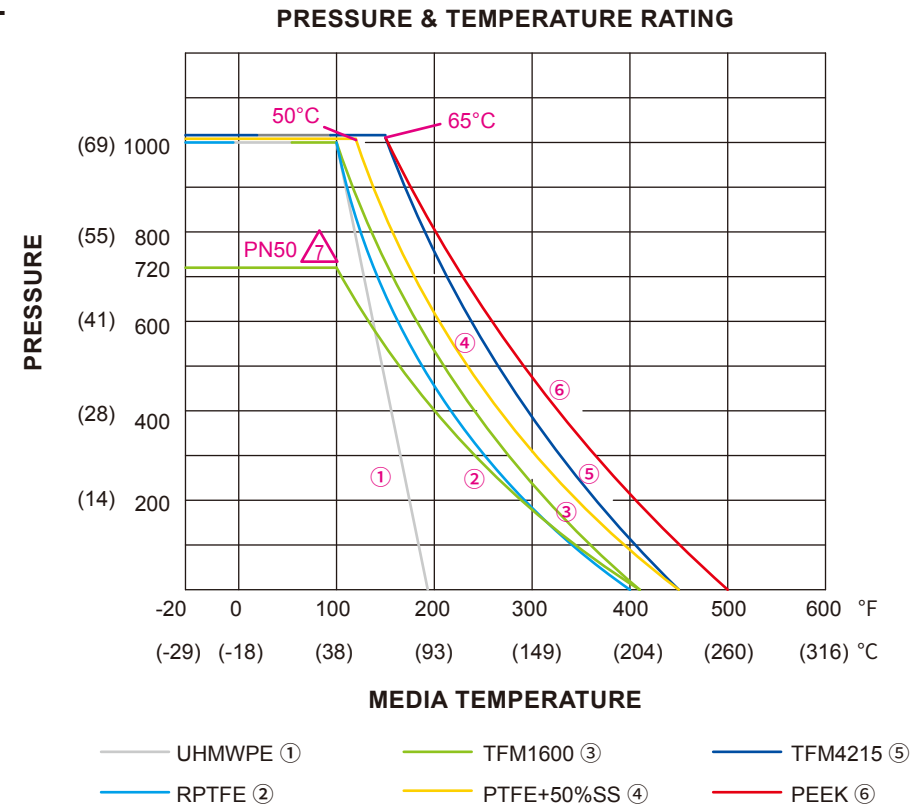
SIZE	A	d1	d2	E	F1	F2	K	H	ISO5211
1/4"	9	6	6	42	42	36	8	42.3	F03/F04
3/8"	9	6	6	42	42	36	8	42.3	F03/F04
1/2"	9	6	6	42	42	36	8	42.3	F03/F04
3/4"	9	6	6	42	42	36	8	44.8	F03/F04
1"	11	7	6	48	50	42	10	54	F04/F05
1-1/4"	11	7	6	48	50	42	10	59.2	F04/F05
1-1/2"	14	9	7	68	70	50	14.8	73.5	F05/F07
2"	14	9	7	68	70	50	14.8	82.9	F05/F07
2-1/2"	17	11	9	94	102	70	17.1	107	F07/F10
3"	17	11	9	94	102	70	17.1	117.3	F07/F10
4"	17	11	9	94	102	70	17.1	132.3	F07/F10

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

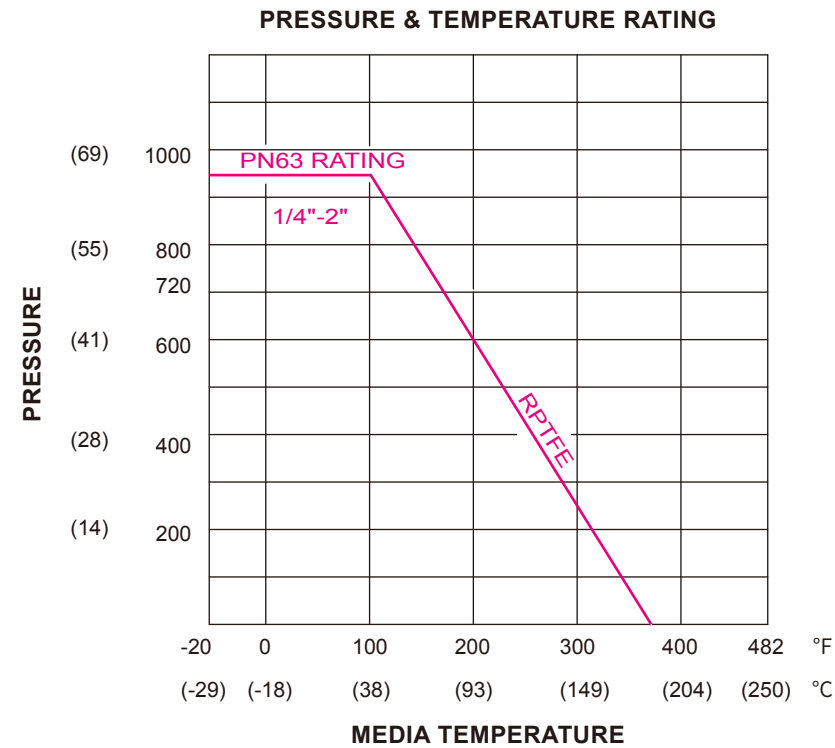
We reserve the right to modify the design / specification without previous notice for better quality.

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 27T



型號 Fig. No. : 307

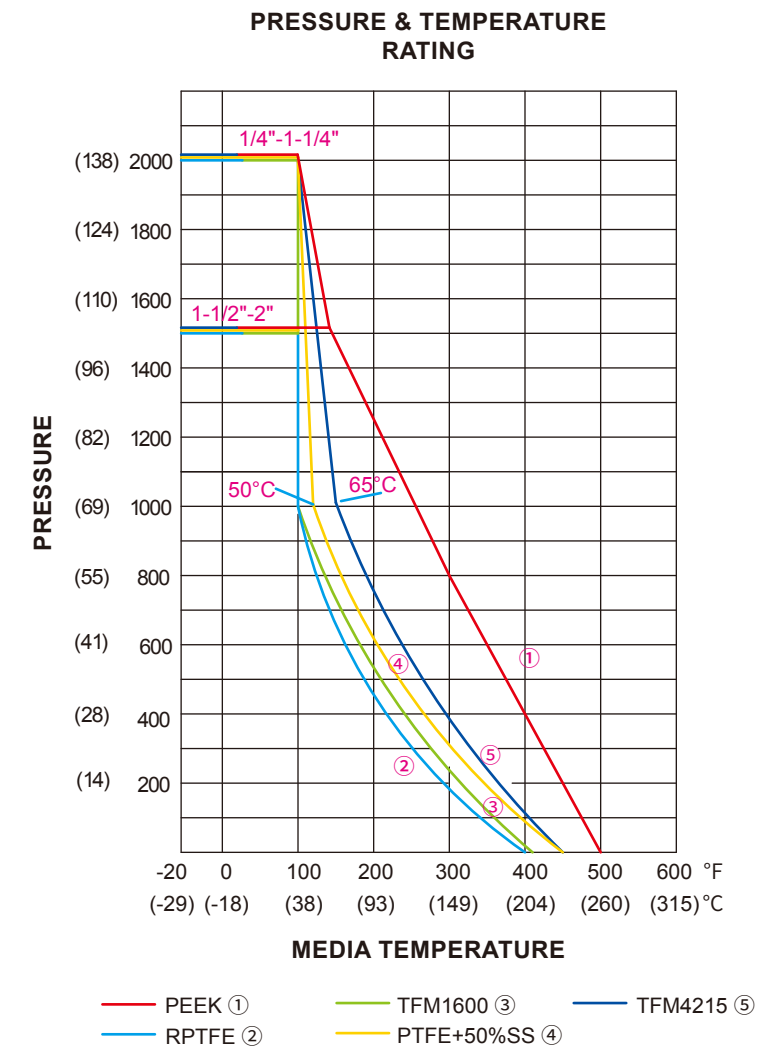


Remark:

- It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
- For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
- Final selection of seat material is the user's choice, experience & responsibility.
- Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : 309



Remark:

- It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
- For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
- Final selection of seat material is the user's choice, experience & responsibility.
- Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature



SERIES

高壓鍛造球閥

High Pressure Forged Ball Valve

應用 APPLICATIONS

礦業與礦物加工業、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、壓縮天然氣與液化天然氣、一般流體。
Mining & Mineral Processing, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, CNG & LNG, General Fluid

技術資料 TECHNICAL DATA

設計 Design	ASME B16.34
尺寸 Size	1/4" ~ 2"
壓力等級 Pressure Rating	Class 800, Class 1500, Class 2500
端口 End Connections	牙口端、套焊端、加長短管可根據要求提供 Threaded End, Socket Weld, Pup extension is available on request
產品檢測 Testing	API 598
流量 Bore	全流量、減流量 Full Bore, Reduced Bore
認證 Certificate	API 607

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
 - 可安裝驅動器 (310)。
 - RPTFE密封消除了對產品污染的擔憂。
 - 防火認證 API 607。可應要求提供。
 - 明確的開關位置指示。
 - 防爆軸心。
 - NACE MR0175 可應要求提供。
 - 可使用附鎖裝置。
 - 防靜電裝置。
 - 根據 ISO 9001 認證的質量體系製造。
 - 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - Delrin
 - Nylon + Mos2
- * 請參考溫壓圖
- Superior valve design at a competitive price.
 - Available for mount actuator. (310)
 - RPTFE seal relieves concern over product contamination.
 - Fire test certified to API 607. Available on request.
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 available on request.
 - Locking device is available.
 - Anti-static device.
 - Manufactured under ISO 9001 certified quality system.
 - Various seat material are available.
- In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
- PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
 - Delrin
 - Nylon + Mos2
- * Please refer to the Pressure-Temperature rating

MODEL

310 / P 系列 Series

產品介紹

Product Introduction

310剖面圖

雙D設計

平面平行於流向，標示球的位置

Double D design

Flats parallel to flow indicates ball position

防火石墨中口

Graphite fire safe stem packing

小薄片

Thrust washer

防爆軸心

Blow out proof stem

防靜電裝置

Anti-static device

第二道金屬球座襯環

Secondary metallic seating ring

本體O型環能完美密封

Body O-ring for perfect sealing

凸緣溝槽閥體密封設計

Tongue & groove body seal design

減流球

Reduced port ball

ISO 5211 平台

ISO 5211 mounting pad

附鎖裝置

Locking device

自動調節彈簧設計

Live loading disc spring

有中軸O型環具備良好的密封功能

With stem O-ring providing good sealing function

各種端口牙口 / 套焊 / 對焊 / 法蘭端

Various port

Threaded/Socket weld/Butted weld/Flange end

平衡型腔壓力

Equalized cavity pressure

球座無洩漏密封

seats bubble tight sealing

封包式螺栓

Enclosed bolting

鍛件

Forging parts

P系列 P Series 剖面圖

把手
以堅固耐用的鑄件生產，並且有附鎖裝置
Handle
Heavy duty cast and locking device as standard

軸心
防爆軸心 (17-4PH材質中軸用在高壓環境)
Stem
Blow out proof stem design. 17-4PH stem for high pressure service.

本體
以堅固耐用的鍛造/鑄造件生產，
三片式螺紋設計，可有不同的端口型式，
全流、加長套焊端。100%殼體水壓測試，
工作壓力為1.5倍
Body
Heavy duty solid forged/cast three piece threaded design allows for different end connections, full port and extended socket weld ends. 100% shell hydro tested to 1.5 times working pressure.

中口
三重中軸密封配有小薄片、O-ring跟中口
Stem seals
Triple stem seals completed with thrust washer, O-ring and packing.

球座跟密封件
符合您需求的球座及密封件。
有O型環支援的密封功能，
使得球閥在高壓時操作仍維持低扭力
Seats and seals
Seats and seals to your specifications. O-ring back-up seal provides low torque for higher pressure valves during operation.

點焊
Tack weld

防靜電
Anti-static

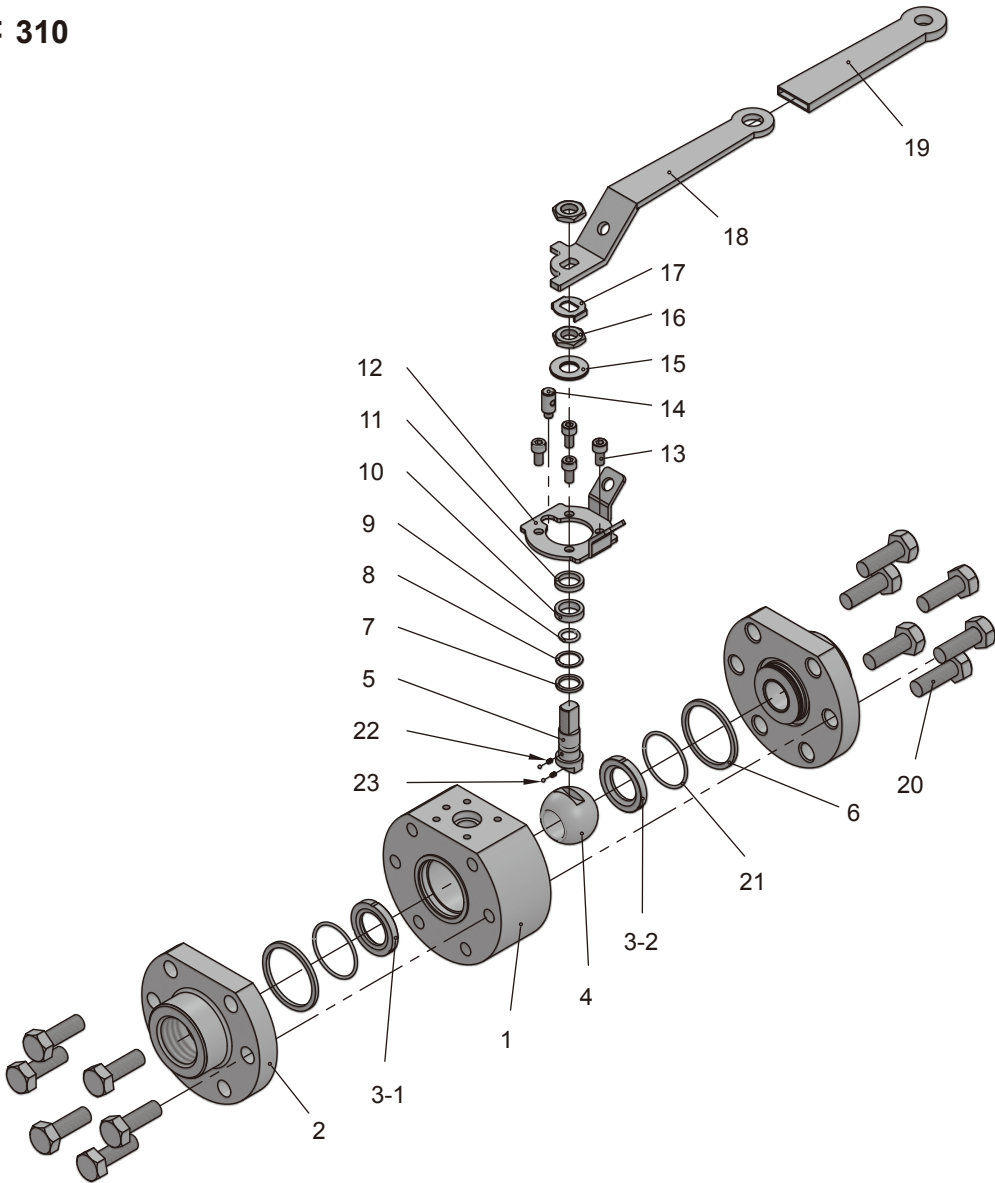
防火石墨墊片
Fire safe graphite gasket

球
精密的不鏽鋼浮動球，提供優良的關斷功能
所有的球都設計有壓力平衡孔
17-4PH材質的球適合應用於高壓的管路
Ball
Precision stainless steel floating ball provides positive shut off. All balls designed with pressure equalizing hole. 17-4PH balls for high pressure service.

本體 O-ring
符合您需求的O-ring提供優良的密封功能，
並防止流體接觸連接端口及外部洩漏
Body O-ring
O-ring seal to your choice provides positive seal and prevents fluid getting contact with connection threads and external leak.

物料表 MATERIAL COMPOSITION

型號 Fig. No. : 310

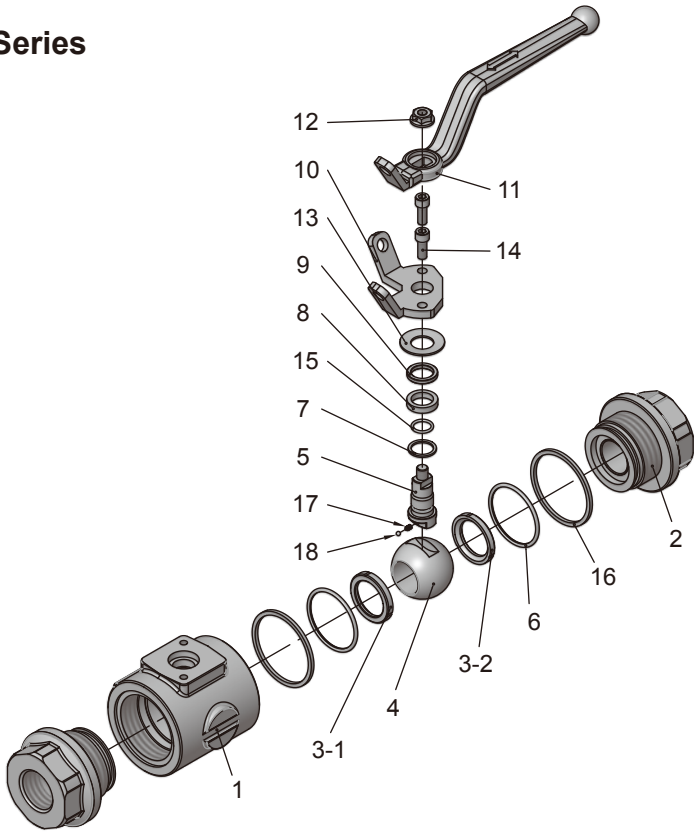


ITEM	PART NAME	EA-310A	EA-310C	ITEM	PART NAME	EA-310A	EA-310C
1	Body	F316	A105N	13	Screw	SS 304	SS 304
2	End Caps	F316	A105N	14	Stop Screw	SS 304	SS 304
3	Seats	PEEK	PEEK	15	Belleville Spring Washer	SS 301	SS 301
4	Ball	17-4PH	17-4PH	16	Lever Nut	SS 304	SS 304
5	Stem	17-4PH	17-4PH	17	Locking Tab	SS 304	SS 304
6	Body Seal	GRAPHITE	GRAPHITE	18	Handle	SS 304	SS 304
7	Thrust Washer	PTFE	PTFE	19	Handle Cover	PVC	PVC
8	Thrust Washer	GRAPHITE	GRAPHITE	20	Bolts	A193-B8M CLS2	A193-B7M
9	Stem O-ring	VITON	VITON	21	Body O-ring	VITON	VITON
10	Packing	GRAPHITE	GRAPHITE	22	Spring	SS 316	SS 316
11	Gland Ring	SS 304	SS 304	23	Anti-Static	SS 316	SS 316
12	Locking Plate	SS 304	SS 304				

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : P系列 P Series



ITEM	PART NAME	Pressure	P134/135	P334/335	P334/335
1	Body	ALL	A105	LF2	F316
2	End Caps	ALL	A105	LF2	F316
3	Seats	2000	TFM4215	TFM4215	TFM4215
		3000	Delrin	Delrin	Delrin
		4000	Nylon+Mos2	Nylon+Mos2	Nylon+Mos2
4	Ball	6000	PEEK	PEEK	PEEK
		2000	CF8M	CF8M	CF8M
		3000&4000	CF8M	CF8M	CF8M
5	Stem	6000	17-4PH	17-4PH	17-4PH
		ALL	17-4PH	17-4PH	17-4PH
6	Body O-ring	ALL	HNBR	HNBR	HNBR
7	Thrust Washer	2000	PTFE+15%G.F.	PTFE+15%G.F.	PTFE+15%G.F.
		3000&4000	Nylon+MoS2	Nylon+MoS2	Nylon+MoS2
		6000	PEEK	PEEK	PEEK
8	Packing	ALL	PTFE+15%G.F.	PTFE+15%G.F.	PTFE+15%G.F.
		6000	Graphite	Graphite	Graphite
9	Packing Follower	ALL	SS 304	SS 304	SS 304
10	Gland Flange	ALL	CS,Plated	CS,Plated	CS,Plated
11	Handle	ALL	CS,Plated	CS,Plated	CS,Plated
12	Self Locking Nut	ALL	CS,Plated	CS,Plated	CS,Plated
13	Belleville Washer	ALL	Stainless Steel	Stainless Steel	Stainless Steel
14	Stop Screw	ALL	Stainless Steel	Stainless Steel	Stainless Steel
15	Stem O-ring	ALL	HNBR	HNBR	HNBR
16	Body Gasket	ALL	Graphite	Graphite	Graphite
17	Spring	ALL	SS 316	SS 316	SS 316
18	Static Device	ALL	SS 316	SS 316	SS 316

*CF8M Max. Pressure 3000psi

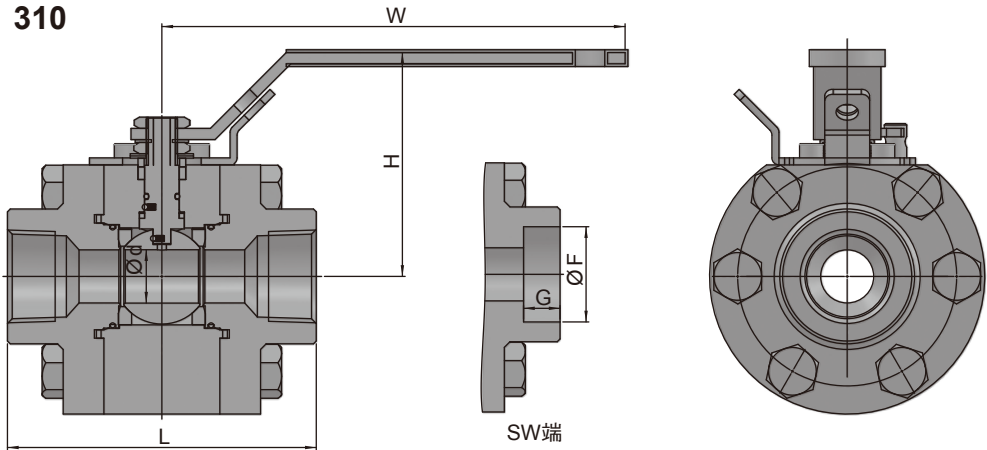
*Item 8 & 16: Fire Safe Design

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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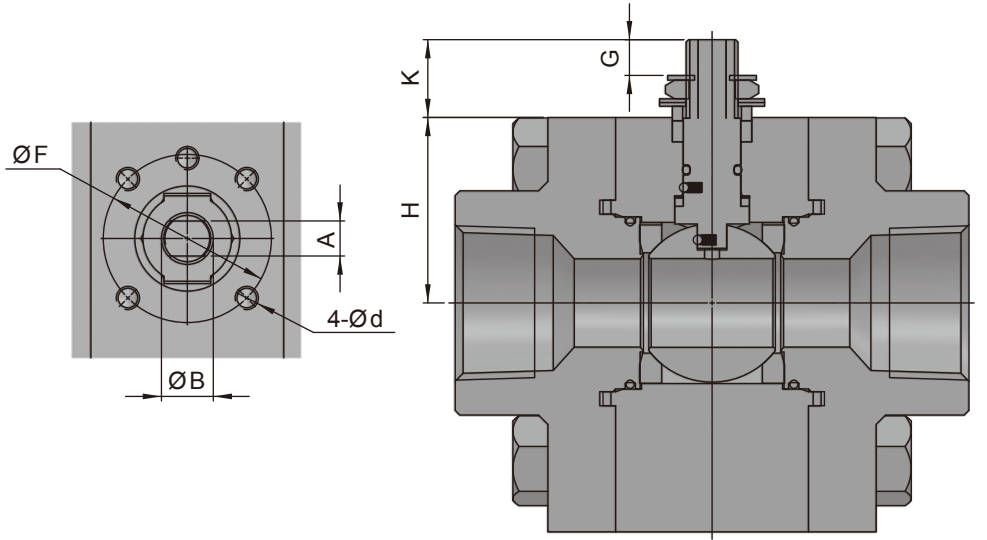
尺寸圖 DIMENSION LIST

型號 Fig. No. : 310



SIZE	d	L	W	H	F	G	ISO5211
1/2"	11.1	90	145	74.5	21.8	10	F03
3/4"	14.5	95	145	74.5	27.2	13	F03
1"	19	110	165	80.3	33.9	13	F03
1-1/4"	25	128	250	110.5	42.7	13	F05
1-1/2"	32	128	250	110.5	48.8	13	F05
2"	38	156	300	123.6	61.2	16	F05

平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD

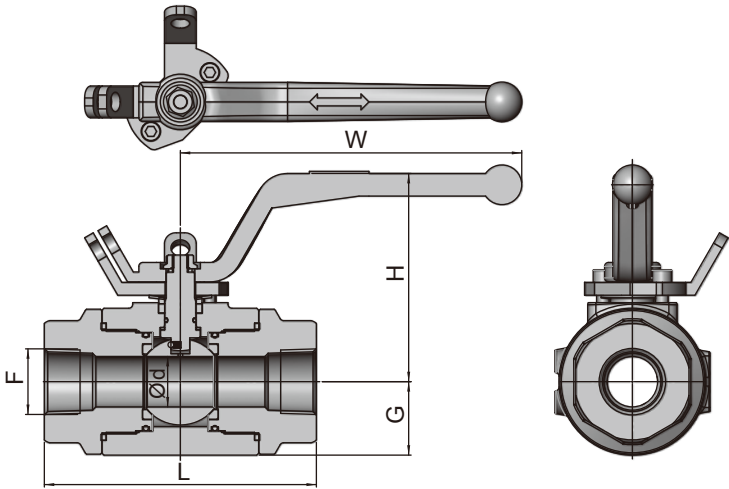


SIZE	A	B	d	F	G	K	H	ISO5211
1/2"	7.5	11.1	M5	36	7.5	16.5	31.6	F03
3/4"	7.5	11.1	M5	36	7.5	16.5	31.6	F03
1"	7.5	11.1	M5	36	7.7	16.7	39.7	F03
1-1/4"	9	14.3	M6	50	10.6	21.9	46.5	F05
1-1/2"	9	14.3	M6	50	10.6	21.9	51.5	F05
2"	11	18	M6	50	17.4	29.1	64.5	F05

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

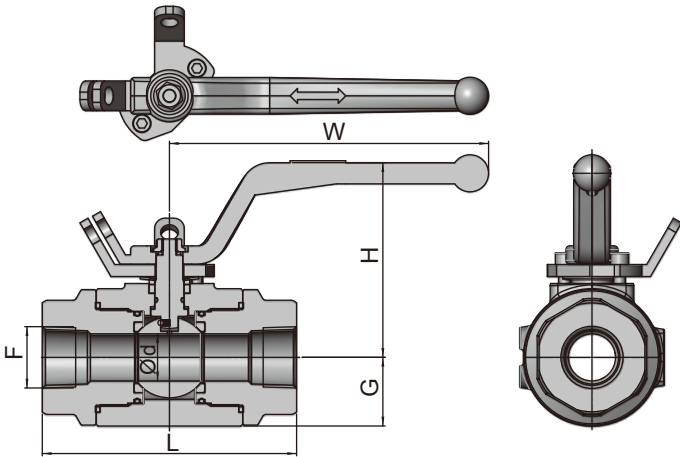
We reserve the right to modify the design / specification without previous notice for better quality.

尺寸圖 DIMENSION LIST



P135/P235/P335 (SC*SC, Full Port, 2000 to 6000 WOG)

Item		Pressure (WOG)	d	L	H	W	G	E	J	F
NPS	Size									
DN15	1/2"	ALL	12.7	114	83.6	145	21.5	21.8	10	1/2"-NPT
DN20	3/4"	ALL	19	141	90.8	145	30.5	27.2	13	3/4"-NPT
DN25	1"	ALL	25.4	154	99.3	172	37	33.9	13	1"-NPT
DN32	1-1/4"	ALL	38.1	189	148.3	275	50.5	42.7	13	1-1/4"-NPT
DN40	1-1/2"	ALL	38.1	189	148.3	275	50.5	48.8	13	1-1/2"-NPT
DN50	2"	ALL	50.8	205	189	302	64	61.2	16	2"-NPT

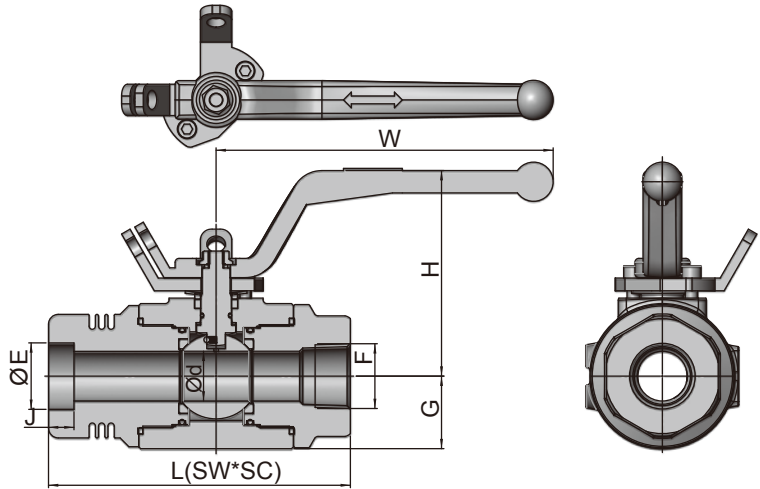


P134/P234/P334 (SC*SC, Reduced Port, 2000 to 6000 WOG)

Item		Pressure (WOG)	d	L	H	W	G	F
NPS	Size							
DN20	3/4"	2000 3000 4000	12.7	101	83.6	145	21.5	3/4"-NPT
		6000		111				
DN25	1"	2000 3000 4000	19	110	90.8	145	30.5	1"-NPT
		6000		133				
DN32	1-1/4"	ALL	25.4	163	99.3	172	37	1-1/4"-NPT
DN40	1-1/2"	ALL	25.4	163	99.3	172	37	1-1/2"-NPT
DN50	2"	2000 3000 4000	38.1	159	148.3	275	50.5	2"-NPT
		6000		184				
DN80	3"	ALL	50.8	254	189	302	64	3"-NPT

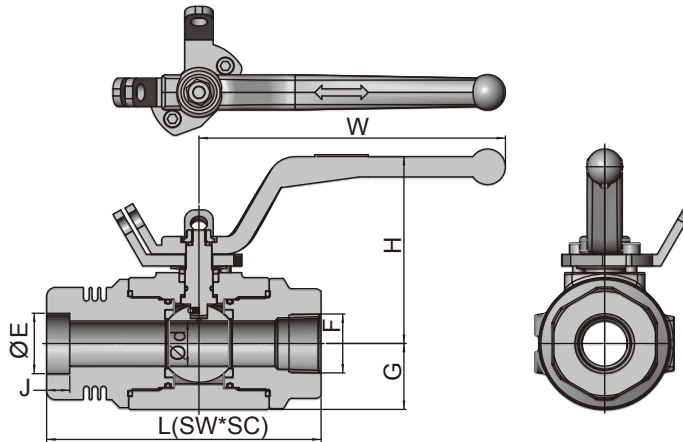
* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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尺寸圖 DIMENSION LIST



P135/P235/P335 (SW*SC, Full Port, 2000 to 6000 WOG)

Item		Pressure (WOG)	d	L	H	W	G	E	J	F
NPS	Size									
DN15	1/2"	ALL	12.7	114	83.6	145	21.5	21.8	10	1/2"-NPT
DN20	3/4"	ALL	19	141	90.8	145	30.5	27.2	13	3/4"-NPT
DN25	1"	ALL	25.4	154	99.3	172	37	33.9	13	1"-NPT
DN32	1-1/4"	ALL	38.1	189	148.3	275	50.5	42.7	13	1-1/4"-NPT
DN40	1-1/2"	ALL	38.1	189	148.3	275	50.5	48.8	13	1-1/2"-NPT
DN50	2"	ALL	50.8	205	189	302	64	61.2	16	2"-NPT

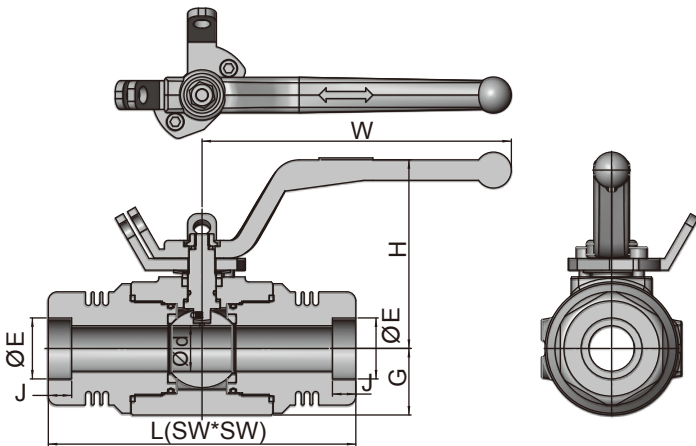


P134/P234/P334 (SW*SC, Reduced Port, 2000 to 6000 WOG)

Item		Pressure (WOG)	d	L	H	W	G	E	J	F
NPS	Size									
DN20	3/4"	2000 3000 4000	12.7	114	83.6	145	21.5	27.2	13	3/4"-NPT
		6000		119						
DN25	1"	2000 3000 4000	19	140.5	90.8	145	30.5	33.9	13	1"-NPT
		6000		152						
DN32	1-1/4"	ALL	25.4	175	99.3	172	37	42.7	13	1-1/4"-NPT
DN40	1-1/2"	ALL	25.4	175	99.3	172	37	42.7	13	1-1/2"-NPT
DN50	2"	2000 3000 4000	38.1	188	148.3	275	50.5	61.2	16	2"-NPT
		6000		201.5						
DN80	3"	ALL	50.8	261	189	302	64	90	16	3"-NPT

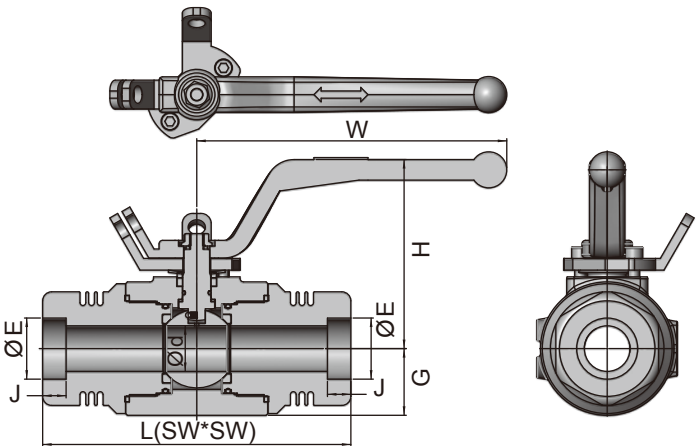
* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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尺寸圖 DIMENSION LIST



P135/P235/P335 (SW*SW, Full Port, 2000 to 6000 WOG)

Item		Pressure (WOG)	d	L	H	W	G	E	J
NPS	Size								
DN15	1/2"	ALL	12.7	127	83.6	145	21.5	21.8	10
DN20	3/4"	ALL	19	171	90.8	145	30.5	27.2	13
DN25	1"	ALL	25.4	171	99.3	172	37	33.9	13
DN32	1-1/4"	ALL	38.1	217	148.3	275	50.5	42.7	13
DN40	1-1/2"	ALL	38.1	217	148.3	275	50.5	48.8	13
DN50	2"	ALL	50.8	251	189	302	64	61.2	16

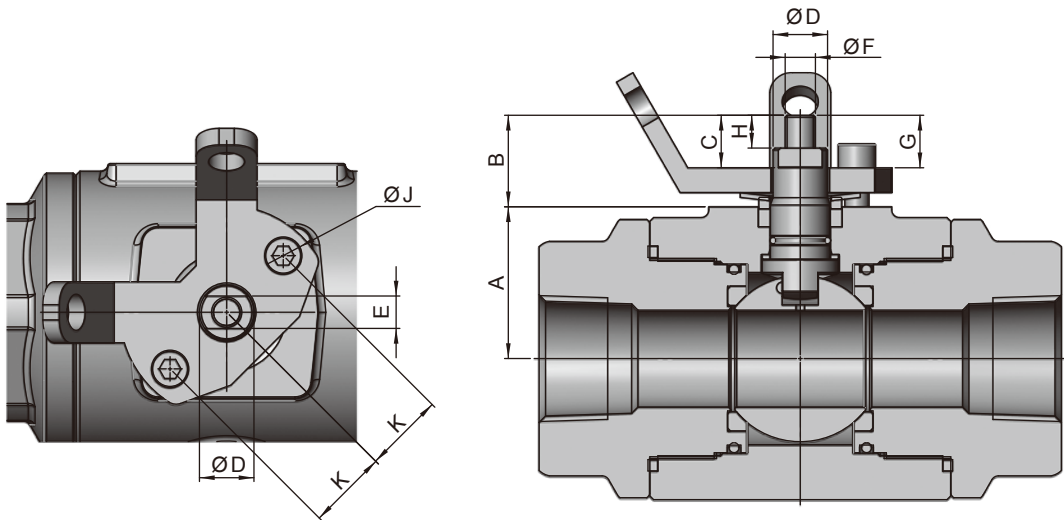


P134/P234/P334 (SW*SW, Reduced Port, 2000 to 6000 WOG)

Item		Pressure (WOG)	d	L	H	W	G	E	J
NPS	Size								
DN20	3/4"	ALL	12.7	127	83.6	145	21.5	27.2	13
DN25	1"	ALL	19	171	90.8	145	30.5	33.9	13
DN32	1-1/4"	ALL	25.4	187	99.3	172	37	42.7	13
DN40	1-1/2"	ALL	38.1	187	99.3	172	50.5	42.7	13
DN50	2"	ALL	38.1	217	148.3	275	50.5	61.2	16
DN80	3"	ALL	50.8	268	189	302	64	90	16

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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



P135/P235/P335

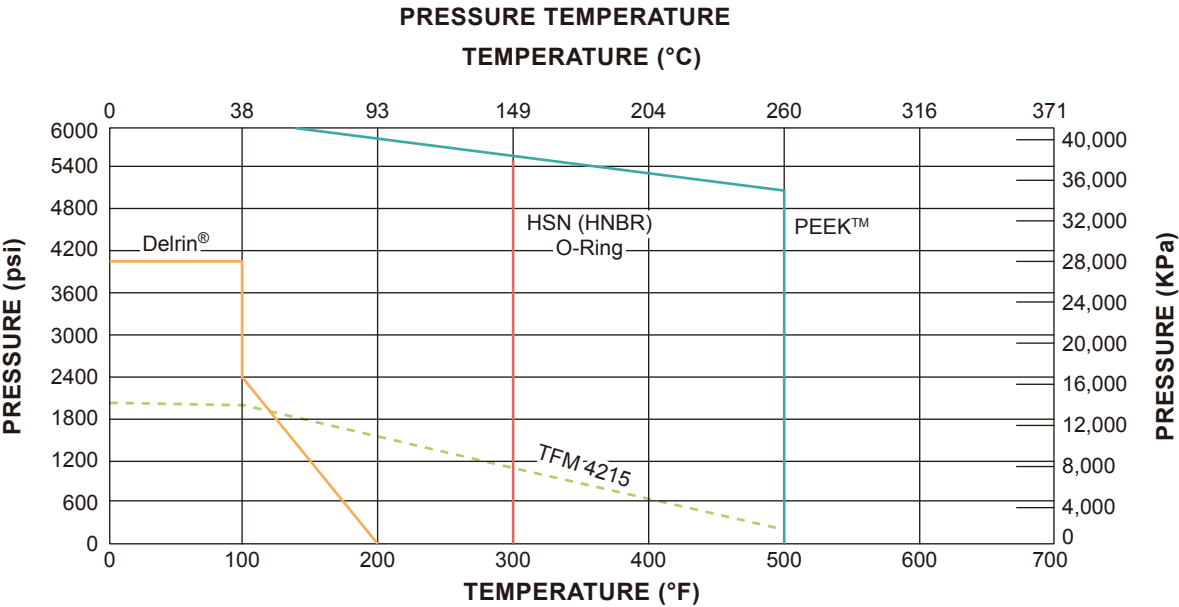
Item		A	B	C	D	E	F	G	H	J	K
NPS	Size										
DN15	1/2"	26.8	18.6	11.4	11.4	6.8	1/4"-20UNC	11.4	7.5	7.8	18
DN20	3/4"	32	20.6	11.4	11.4	6.8	1/4"-20UNC	12	7.5	7.8	18
DN25	1"	39.8	24	13.5	14.3	8.5	5/16"-18UNC	14.1	8.6	9.8	21
DN32	1-1/4"	39.8	34.7	21.4	19.1	11.4	7/16"-14UNC	22.9	12.4	11.7	26.6
DN40	1-1/2"	58.7	34.7	21.4	19.1	11.4	7/16"-14UNC	22.9	12.4	11.7	26.6
DN50	2"	76.2	46.3	30	25.4	16	5/8"-11UNC	31.1	17.5	14.1	31.8

P134/P234/P334

Item		A	B	C	D	E	F	G	H	J	K
NPS	Size										
DN20	3/4"	26.8	18.6	11.4	11.4	6.8	1/4"-20UNC	11.4	7.5	7.8	18
DN25	1"	32	20.6	11.4	11.4	6.8	1/4"-20UNC	12	7.5	7.8	18
DN32	1-1/4"	39.8	24	13.5	14.3	8.5	5/16"-18UNC	14.1	8.6	9.8	21
DN40	1-1/2"	39.8	24	13.5	14.3	8.5	5/16"-18UNC	14.1	8.6	9.8	21
DN50	2"	58.7	34.7	21.4	19.1	11.4	7/16"-14UNC	22.9	12.4	11.7	26.6
DN80	3"	76.2	46.3	30	25.4	16	5/8"-11UNC	31.1	17.5	14.1	31.8

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溫度壓力曲線圖 P/T CHART



Note: Consult ASME B16.34 for Body and Adapter Material Pressure/Temperature Ratings.



SERIES

超低溫球閥 Cryogenic Ball Valve

應用 APPLICATIONS

化工廠、液化天然氣。
Chemical Plant, LNG

技術資料 TECHNICAL DATA

設計 Design	B16.34, API 608
尺寸 Size	1/2" ~ 4" (DN15 ~ DN100)
壓力等級 Pressure Rating	Class 150, 300, 600, 1500 WOG
端口 End Connections	法蘭端、牙口端、套焊端、對焊端、長焊端 Flanged end, Threaded End, Socket Weld, Butt Weld, Extended Butt Weld
產品檢測 Testing	API 598
流量 Bore	全流量 Full Bore
認證 Certificate	API 607: 39A MSS SP-134: 39A ISO 15848-1

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
 - 易燃和非易燃非應用的逸散性洩漏控制，可應要求提供。(39A, 26J)
 - 閥門逸散性排放能力通過 ISO 15848-1 第三方控制，可應要求提供。(39A, 26J)
 - 可直接安裝執行器的 ISO 平台架，不需支架連接桿，節省成本、空間及時間。
 - 延長端蓋可應要求提供。
 - 特別適於天然氣&液化天然氣產業。
 - 防火認證 API 607。可應要求提供 (39A)
 - 明確的開關位置指示。
 - 防爆軸心。
 - NACE MR0175 可應要求提供。
 - 可使用附鎖裝置。
 - 防靜電裝置。
 - 根據 ISO 9001 認證的質量體系製造。
 - 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。每個球座選項將滿足廣泛的性能，適用於許多應用：
- RPTFE
 - Modified PTFE (TFM1600)
 - Modified PTFE + 25% Carbon Fiber (TFM4215)
 - PCTFE
- * 請參考溫壓圖
- Superior valve design at a competitive price.
 - Fugitive emissions control for flammable and non-flammable applications. Available on request. (39A, 26J)
 - Valve fugitive emissions capability third-party certified to ISO 15848-1. Available on request. (39A, 26J)
 - Machined ISO actuator mounting pad for directly mount actuator, bracket and adaptor is unnecessary, save cost, space and time.
 - Extension End is available on request.
 - Particularly suitable for NG & LNG industry.
 - Fire test certified to API 607. Available on request. (39A)
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 Available on request.
 - Locking device is available.
 - Anti-static device.
 - Manufactured under ISO 9001 certified quality system.
 - Various seat material are available.
- In addition to standard seat material, following variety is available. Each material option will meet a wide range of performance, suitable for many applications.
- RPTFE
 - Modified PTFE (TFM1600)
 - Modified PTFE + 25% Carbon Fiber (TFM4215)
 - PCTFE
- * Please refer to the Pressure-Temperature rating

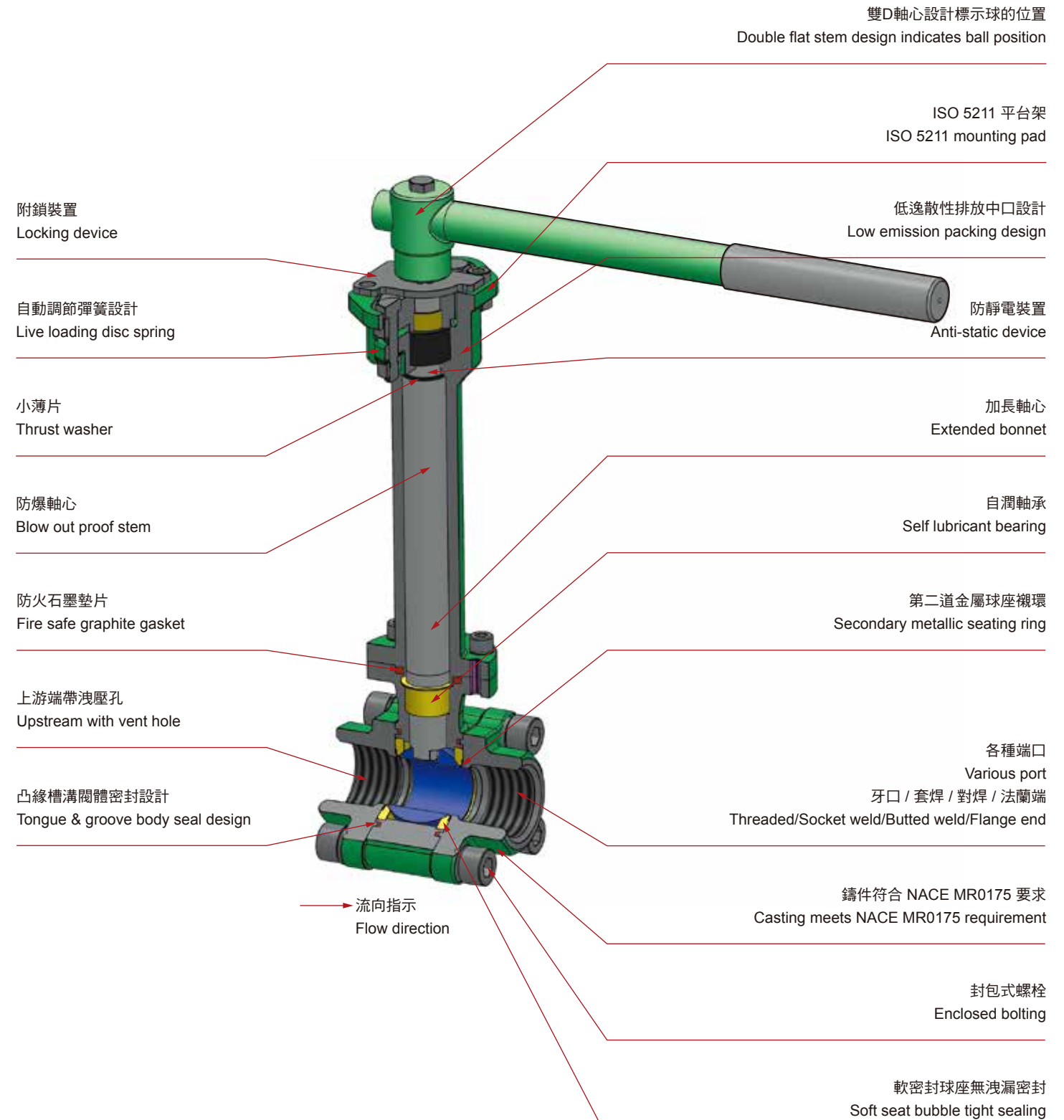
MODEL

39A / 26A / 26J

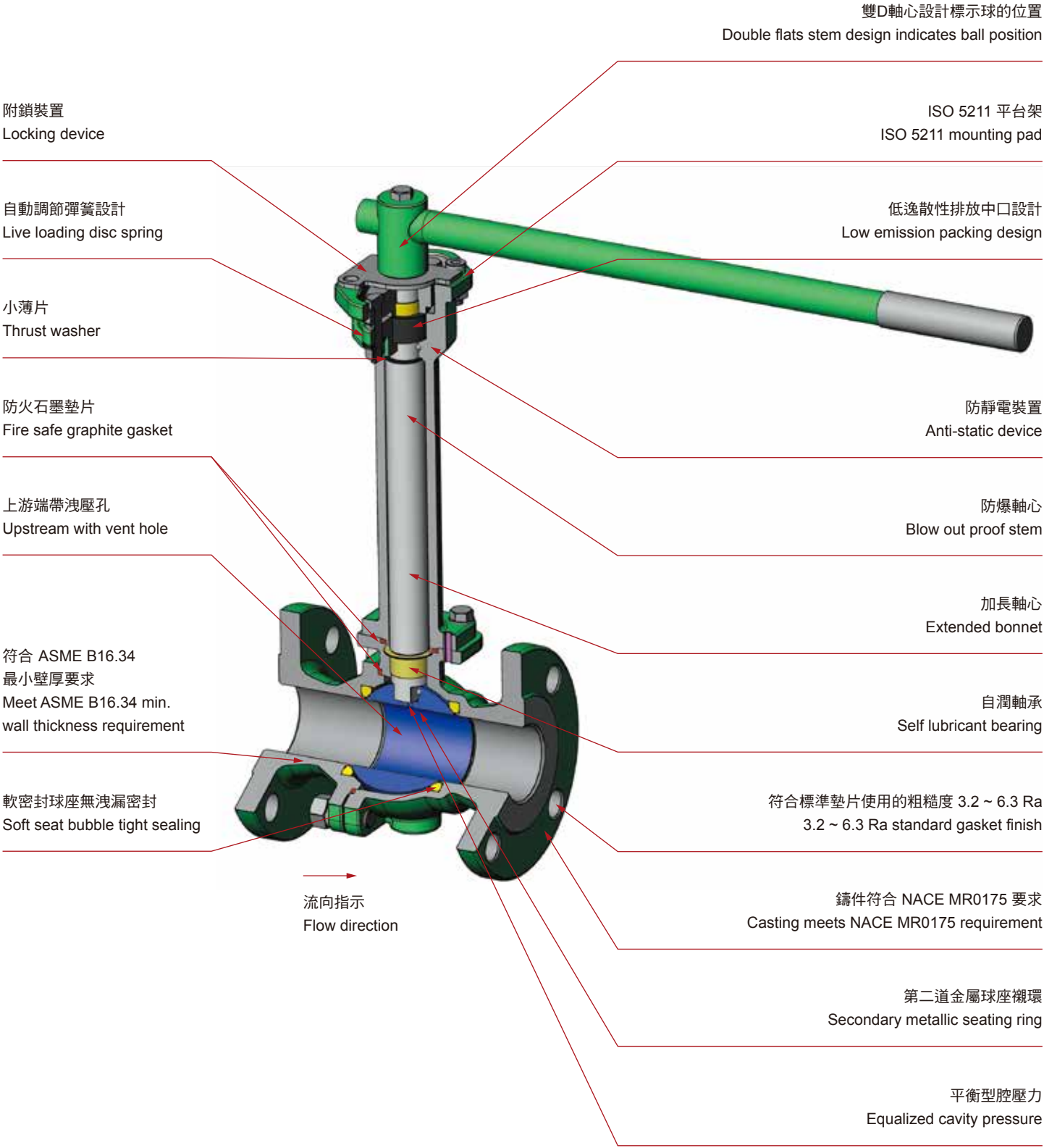
產品介紹

Product Introduction

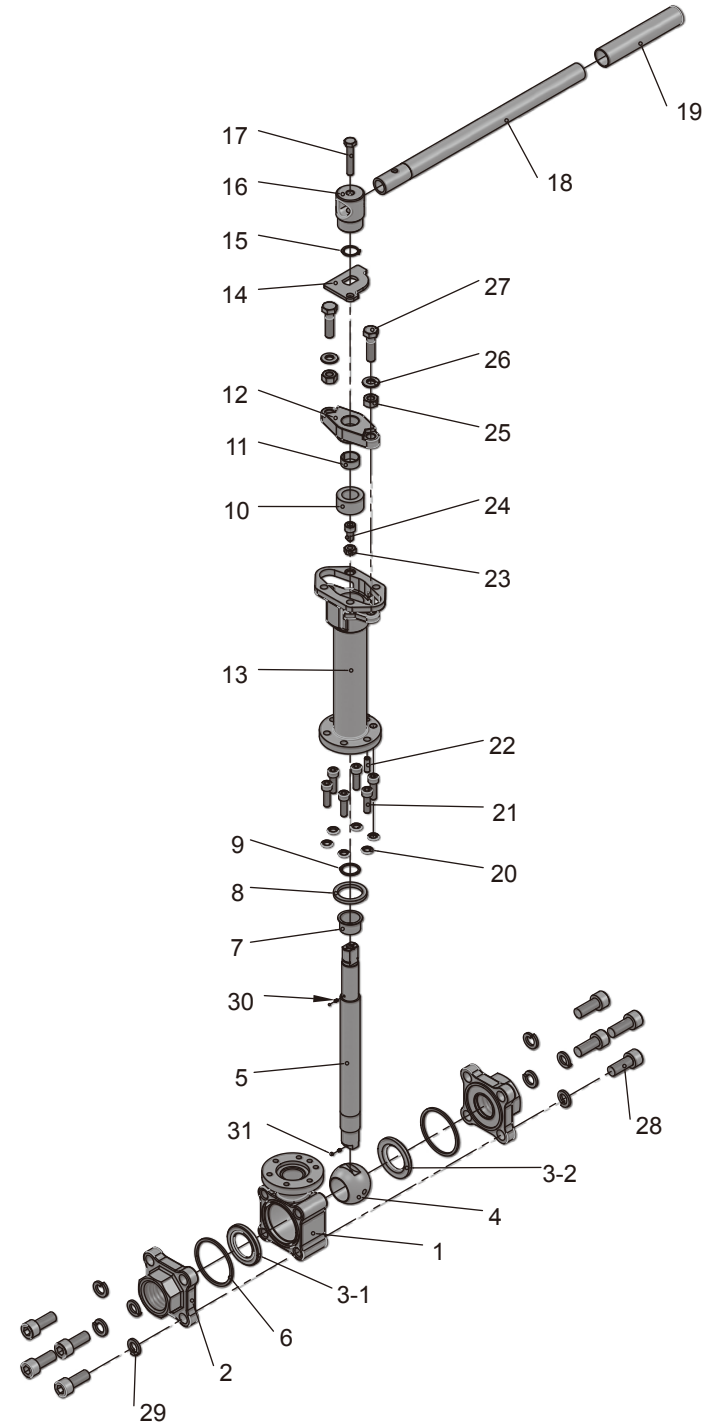
39A剖面圖



26A剖面圖



型號 Fig. No. : 39A

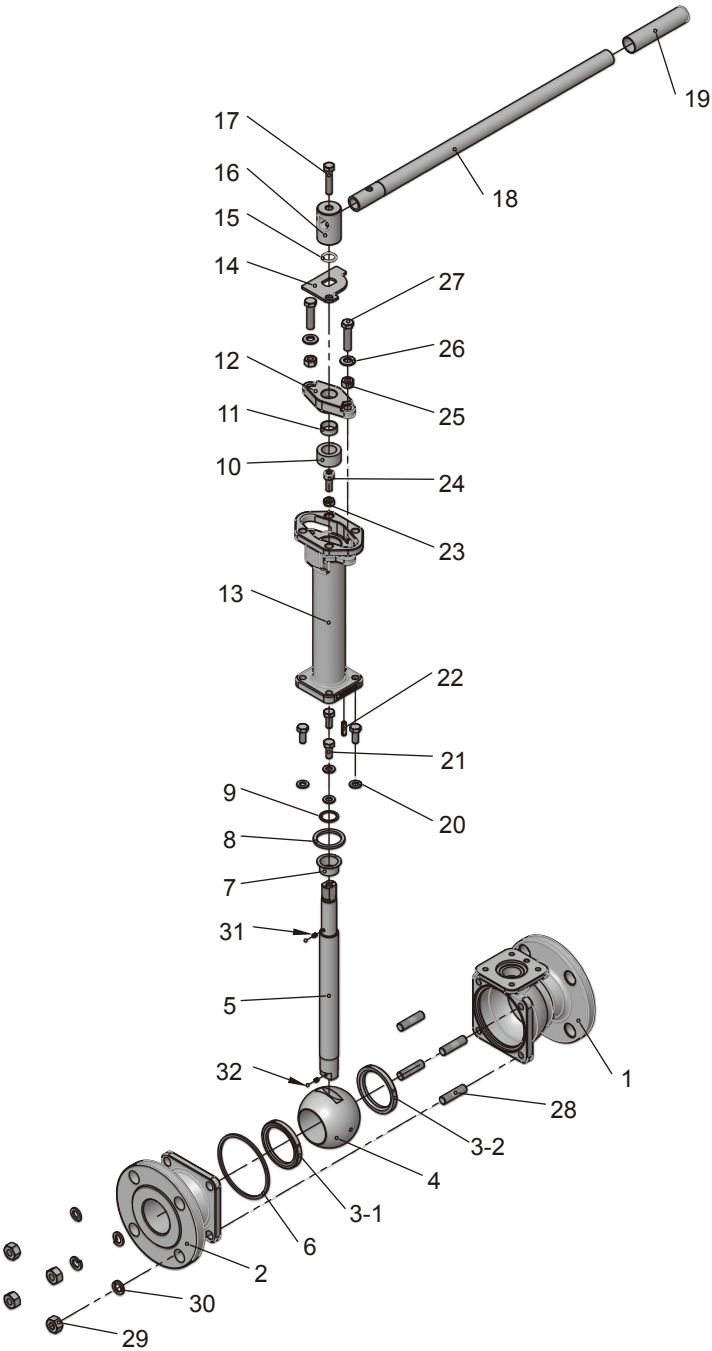


ITEM	PART NAME	STAINLESS STEEL
1	Body	A351-CF8M
2	End Cap	A351-CF8M
3	Seats	PCTFE
4	Ball	A351-CF8M
5	Stem	17-4PH
6	Body Seal	GRAPHITE
7	Bearing	304+PTFE
8	Bonnet Gasket	GRAPHITE
9	Thrust Washer	PCTFE
10	Packing	GRAPHITE
11	Stem Bearing	PTFE
12	Gland Flange	A351-CF8
13	Bracket	A351-CF8M
14	Stop Plate	SS 304
15	Snap Ring	SS 420
16	T-Block	A351-CF8
17	Hex Bolt	SS 304
18	Pipe	SS 304
19	Pipe Cover	VINYL
20	Spring Washer	SS 304
21	Socket Head Bolts	A2-70
22	Spring Pin	SPRING STEEL
23	Stop Nut	SS 304
24	Stop Screw	SS 304
25	Gland Nut	A194-8M
26	Disc Spring	SS 301
27	Gland Bolt	A193-B8
28	Stud	A2-70
29	Spring Washer	SS 304
30	Spring	SS 316
31	Static Device	SS 316

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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物料表 MATERIAL COMPOSITION

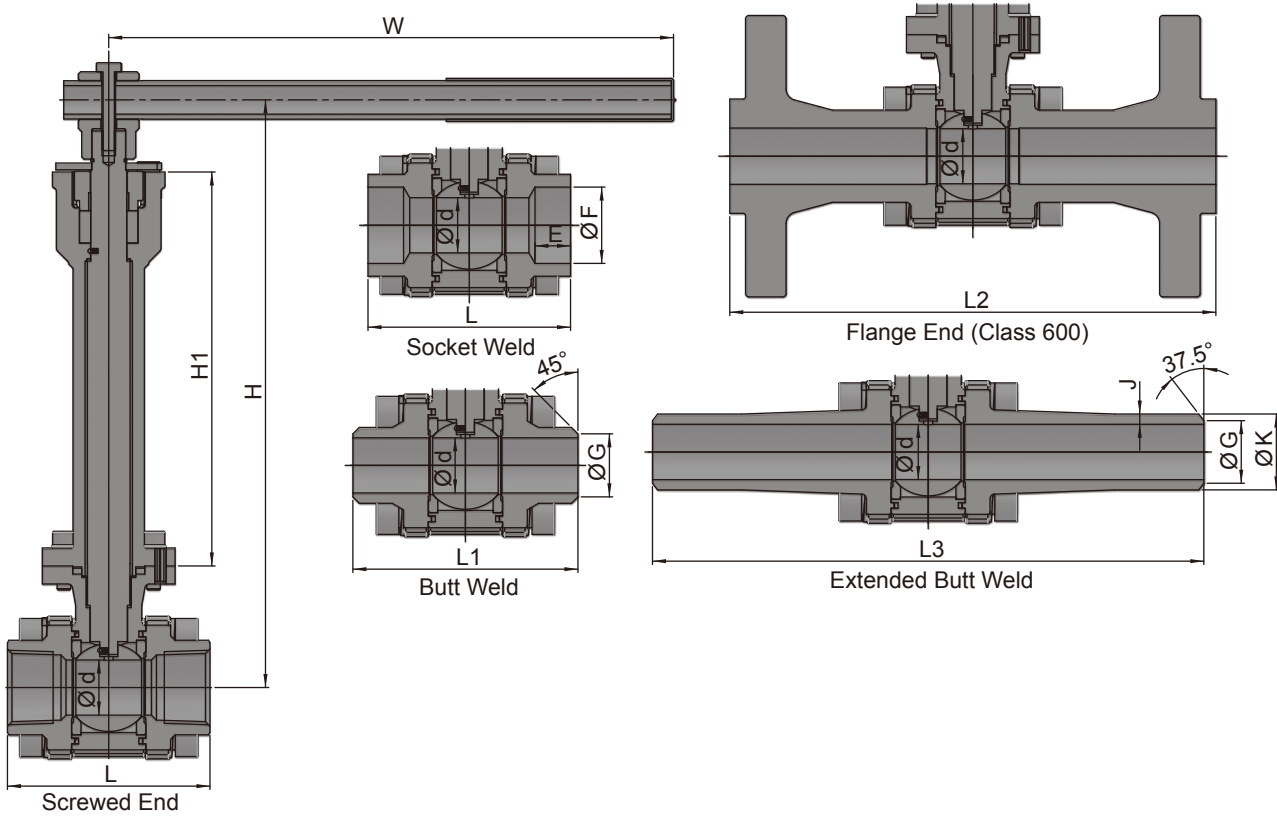
型號 Fig. No. : 26A



ITEM	PART NAME	STAINLESS STEEL
1	Body	A351-CF8M
2	End Cap	A351-CF8M
3	Seats	PCTFE
4	Ball	A351-CF8M
5	Stem	17-4PH
6	Body Seal	GRAPHITE
7	Bearing	304+PTFE
8	Bonnet Gasket	GRAPHITE
9	Thrust Washer	PCTFE
10	Packing	GRAPHITE
11	Stem Bearing	PTFE
12	Gland Flange	A351-CF8
13	Bracket	CF3M/316L
14	Stop Plate	SS 304
15	Snap Ring	SS 420
16	T-Block	A351-CF8
17	Hex Bolt	SS 304
18	Pipe	SS 304
19	Pipe Cover	VINYL
20	Spring Washer	SS 304
21	Hex Bolt	A193-B8M CLS2
22	Spring Pin	SPRING STEEL
23	Stop Nut	SS 304
24	Stop Screw	SS 304
25	Gland Nut	A194-8M
26	Disc Spring	SS 301
27	Gland Bolt	A194-8M
28	Stud	A193-B8M CLS2
29	Nut	A194-8M
30	Spring Washer	SS 304
31	Spring	SS 316
32	Static Device	SS 316

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尺寸圖 DIMENSION LIST

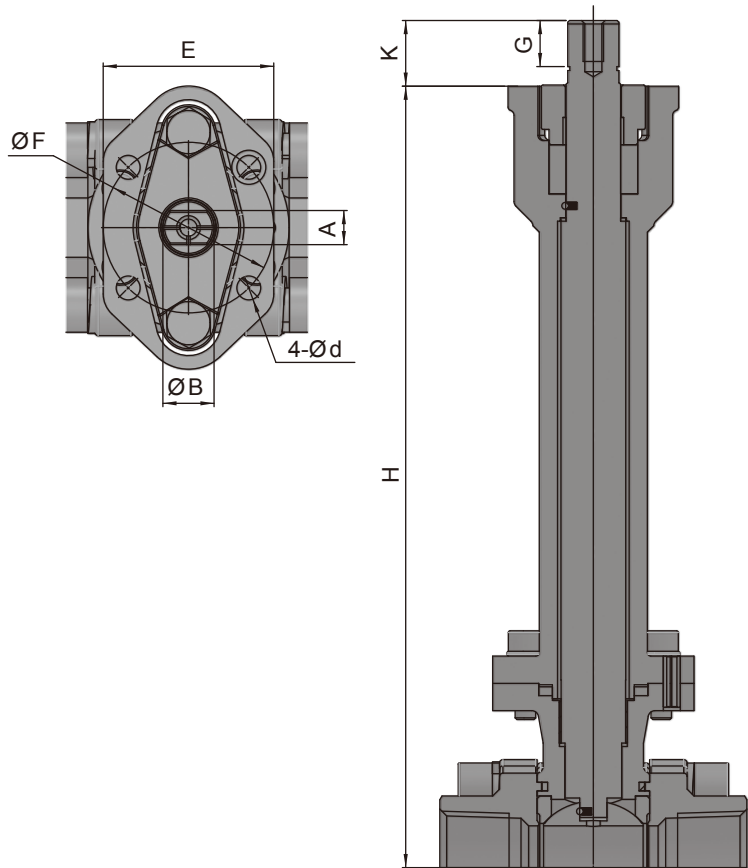


39A (1500 WOG)

SIZE	d	L	L1	L2	L3	W	H	H1	E	F	G	K	J	
													SCH40	SCH80
1/2"	16	75	75	165	225	181.5	222.3	176.5	11.2	21.8	17	21.3	2.77	3.73
3/4"	20	80	90	190	225	181.5	224.8	176.5	14.3	27.2	22	26.9	2.87	3.91
1"	24.5	90	100	216	245	250	261.1	175	15.8	33.9	28	33.7	3.38	4.55
1-1/4"	32	110	110	229	255	250	265.1	175	17.5	42.7	37	42.7	3.56	4.85
1-1/2"	38	120	125	241	260	450	306.4	200	19.1	48.8	43	48.3	3.68	5.08
2"	50	140	150	292	275	450	315.7	200	21.3	61.2	54	60.3	3.91	5.51

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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD

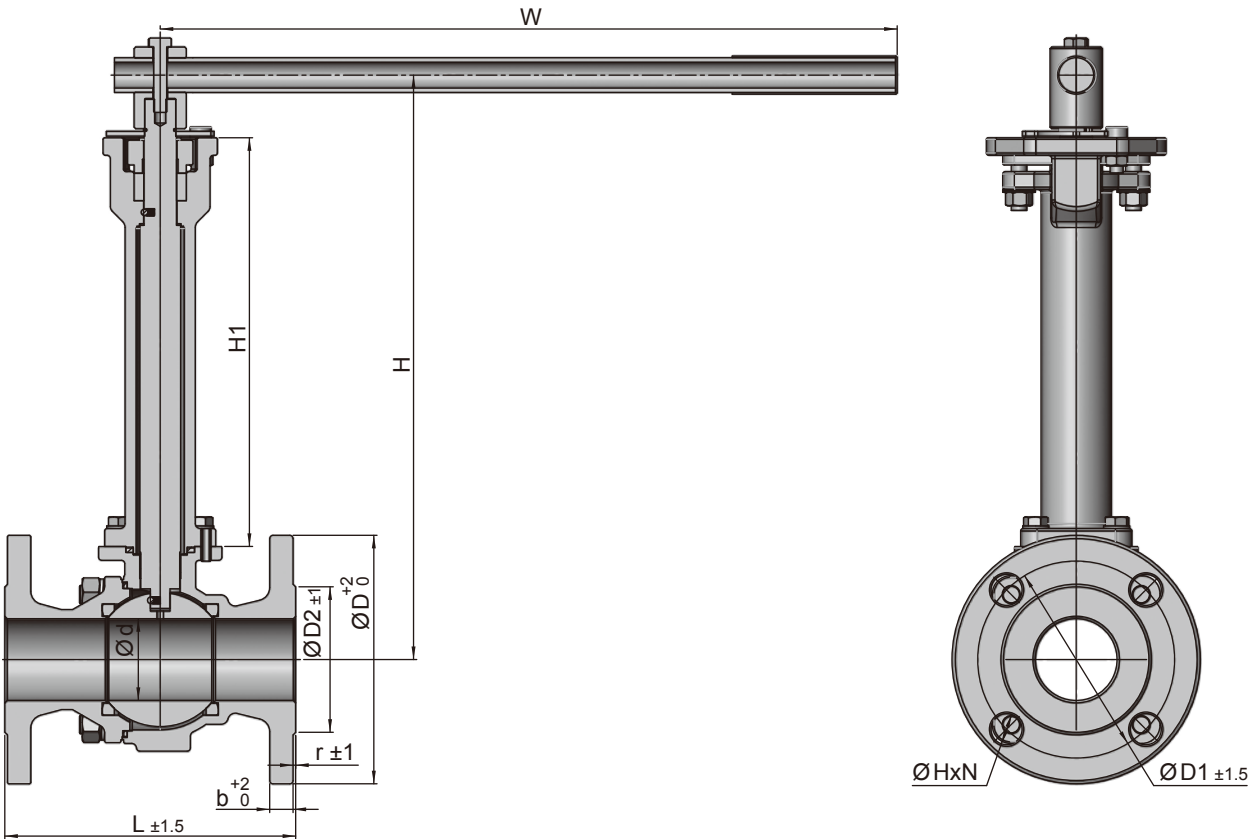


39A (1500 WOG)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12	7	50	50	9	14.1	217	F05
3/4"	8	12	7	50	50	9	14.4	219.5	F05
1"	10	15	7	50	50	13.5	19.3	229	F05
1-1/4"	10	15	7	50	50	13.5	19.3	233.2	F05
1-1/2"	14	19	10	70	70	18.5	24.1	268	F07
2"	14	19	10	70	70	18.5	24.1	277.4	F07

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尺寸圖 DIMENSION LIST



26A (Class 150)

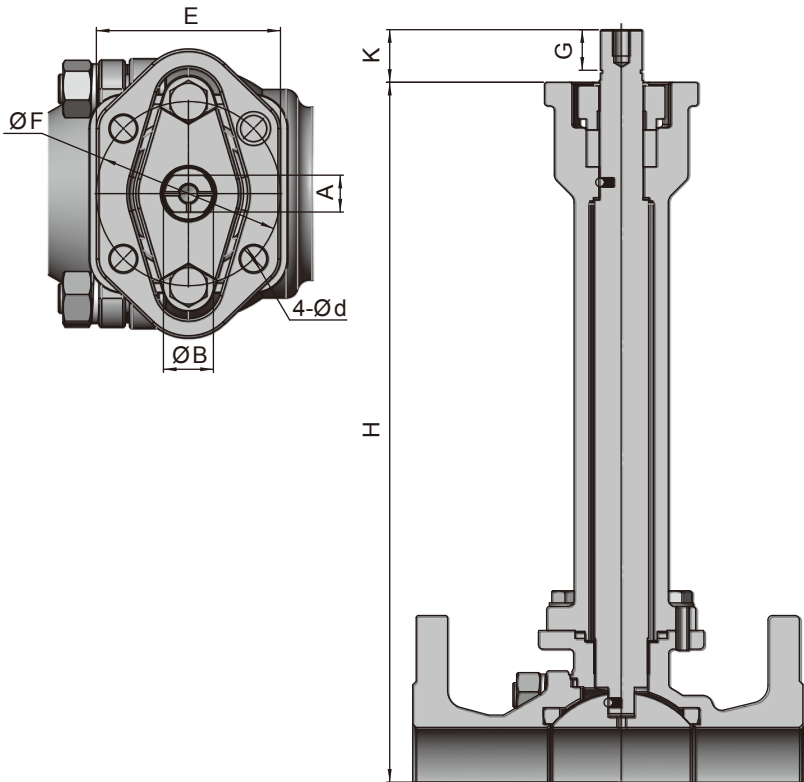
SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	H1	ISO5211
1/2"	16	35	60.5	89	9.5	1.6	108	16x4	180.5	274.6	200	F05
3/4"	20	43	69.8	99	9.5	1.6	117	16x4	180.5	274.6	200	F05
1"	25	51	79.2	108	9.7	1.6	127	16x4	250	282.3	200	F05
1-1/2"	38	73	98.6	127	12.7	1.6	165	16x4	450	349.2	250	F07
2"	50	92	120.6	152	14.2	1.6	178	19x4	450	357.5	250	F07
3"	80	127	152.4	190	17.5	1.6	203	19x4	565	449.2	300	F10
4"	100	157	190.5	229	22.4	1.6	229	19x8	565	473	300	F10

26J (Class 300)

SIZE	d	D2	D1	D	b	r	L	ØH-N	W	H	H1	ISO5211
1/2"	16	35	66.5	95	12.7	1.6	140	16x4	180.5	275.1	200	F05
3/4"	20	43	82.6	117	14.2	1.6	152	19x4	180.5	275.1	200	F05
1"	25	51	88.9	124	15.7	1.6	165	19x4	250	282.3	200	F05
1-1/2"	38	73	114.3	155	19	1.6	190	22x4	450	349.2	250	F07
2"	50	92	127	165	20.6	1.6	216	19x8	450	362.5	250	F07
3"	80	127	168.1	210	26.9	1.6	282	22x8	565	456.2	300	F10
4"	100	157	200.2	254	30.2	1.6	305	22x8	565	480	300	F10

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平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



26A (Class 150)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12	7	50	50	9	14.4	242.6	F05
3/4"	8	12	7	50	50	9	14.4	242.6	F05
1"	10	15	7	50	50	13.5	18.9	250.6	F05
1-1/2"	14	19	10	70	70	18.5	24.1	310.9	F07
2"	14	19	10	70	70	18.5	24.1	319.2	F07
3"	20	30	12	100	102	24.9	31.8	396.2	F10
4"	20	30	12	100	102	24.9	31.8	420	F10

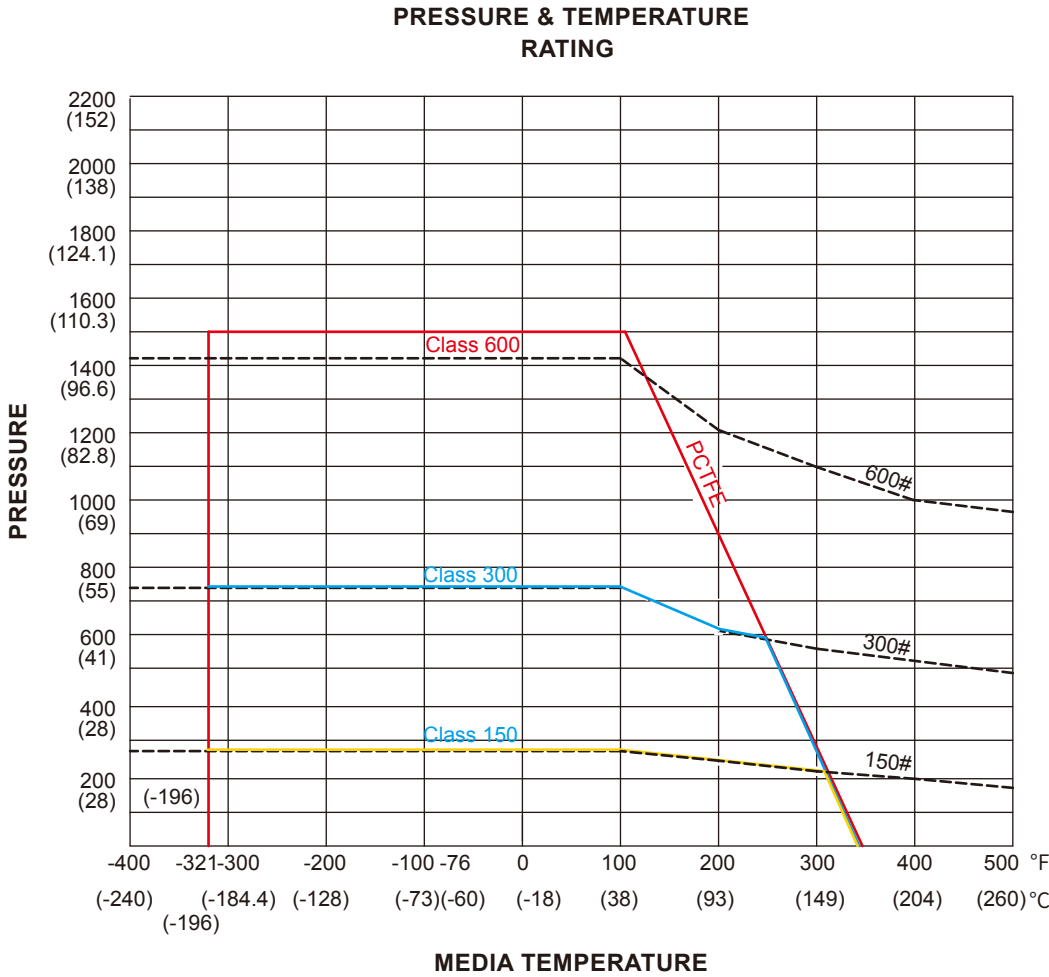
26J (Class 300)

SIZE	A	B	d	E	F	G	K	H	ISO5211
1/2"	8	12	7	50	50	9	14.4	243.1	F05
3/4"	8	12	7	50	50	9	14.4	243.1	F05
1"	10	15	7	50	50	13.5	18.9	250.6	F05
1-1/2"	14	19	10	70	70	18.5	24.1	310.9	F07
2"	14	19	10	70	70	18.5	24.1	324.2	F07
3"	20	30	12	100	102	24.9	31.8	403.2	F10
4"	20	30	12	100	102	24.9	31.8	427	F10

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

溫度壓力曲線圖 P/T CHART



Remark:

1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
3. Final selection of seat material is the user's choice, experience & responsibility.

應用 APPLICATIONS

飲用水、食品與飲料工業、半導體產業。
Drinking Water, Food & Beverage Industry, Semiconductor.

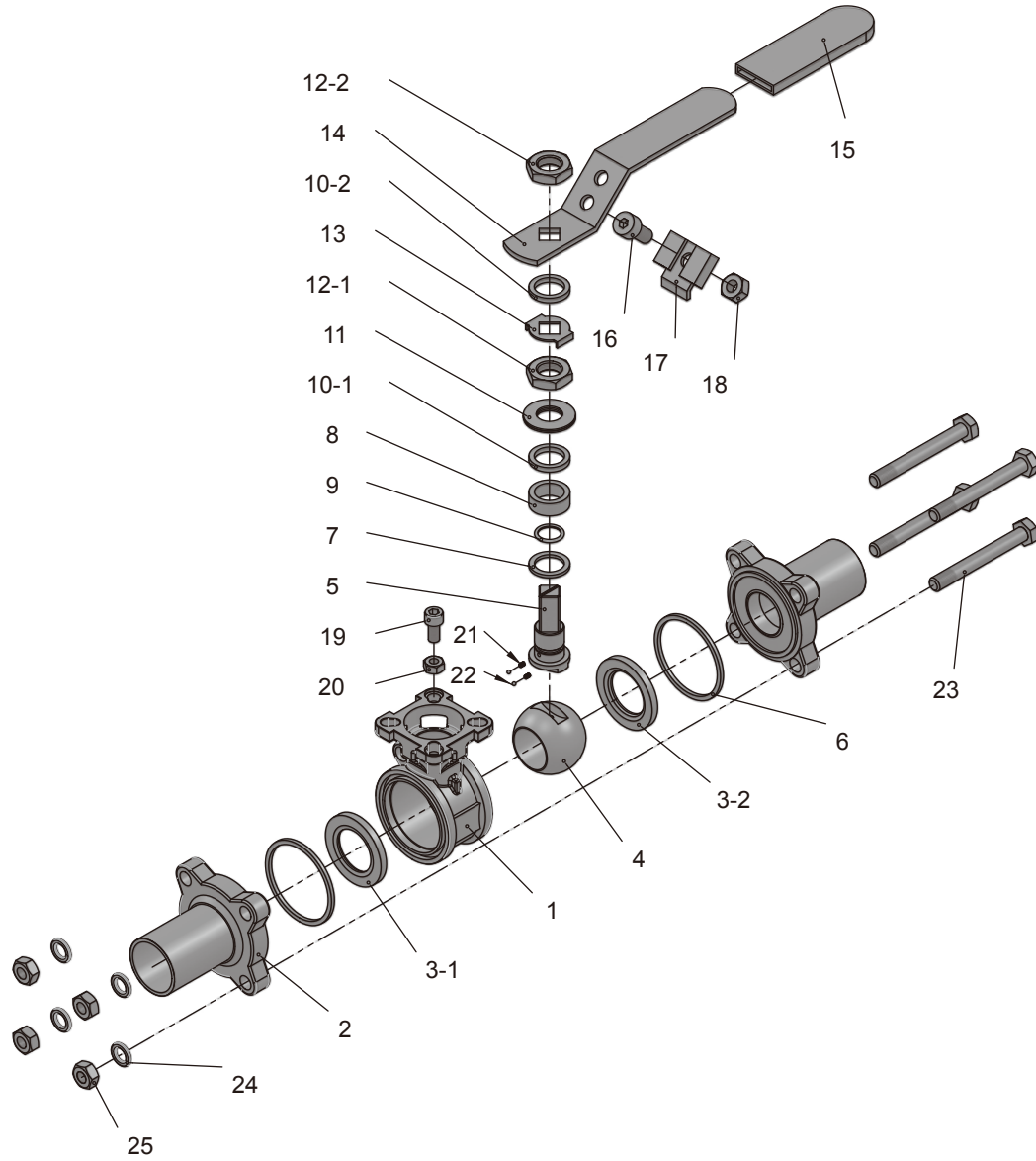
技術資料 TECHNICAL DATA

設計 Design	EN12516-1
尺寸 Size	1/2" ~ 2"
壓力等級 Pressure Rating	1000 WOG
端口 End Connections	管夾端、對焊端、Orbital焊端 Clamp End, Butt Weld End, Orbital Weld End
產品檢測 Testing	API 598
流量 Bore	全流量 Full Bore

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
 - 內孔拋光粗糙度達8-12µm，可應要求提供。
 - 可直接安裝執行器的 ISO 平台架，不需支架連接桿，節省成本、空間及時間。
 - 延長軸心可應要求提供。
 - RPTFE密封消除了對產品污染的擔憂。
 - 較低的操作扭力，便於操作並降低執行器成本。
 - 明確的開關位置指示。
 - 防爆軸心。
 - NACE MR0175 可應要求提供。
 - 可使用附鎖裝置。
 - 防靜電裝置。
 - 根據 ISO 9001 認證的質量體系製造。
 - CE 標示符合 PED 2014/68/EU, 可應要求提供。
 - 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
- Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
- * 請參考溫壓圖
- Superior valve design at a competitive price.
 - ID Highly-polished roughness achieve 8-12 µin on request.
 - Machined ISO actuator mounting pad for directly mount actuator, bracket and adaptor is unnecessary, save cost, space and time.
 - Extension Bonnet is available on request.
 - RPTFE seal relieves concern over product contamination.
 - Lower operating torque for ease of operation and reduced actuator cost.
 - Positive position indication.
 - Blowout-proof shaft.
 - NACE MR0175 available on request.
 - Locking device is available.
 - Anti-static device.
 - Manufactured under ISO 9001 certified quality system.
 - CE marking according to PED 2014/68/EU. Available on request.
 - Various seat material are available.
- In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
- Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK
- * Please refer to the Pressure-Temperature rating

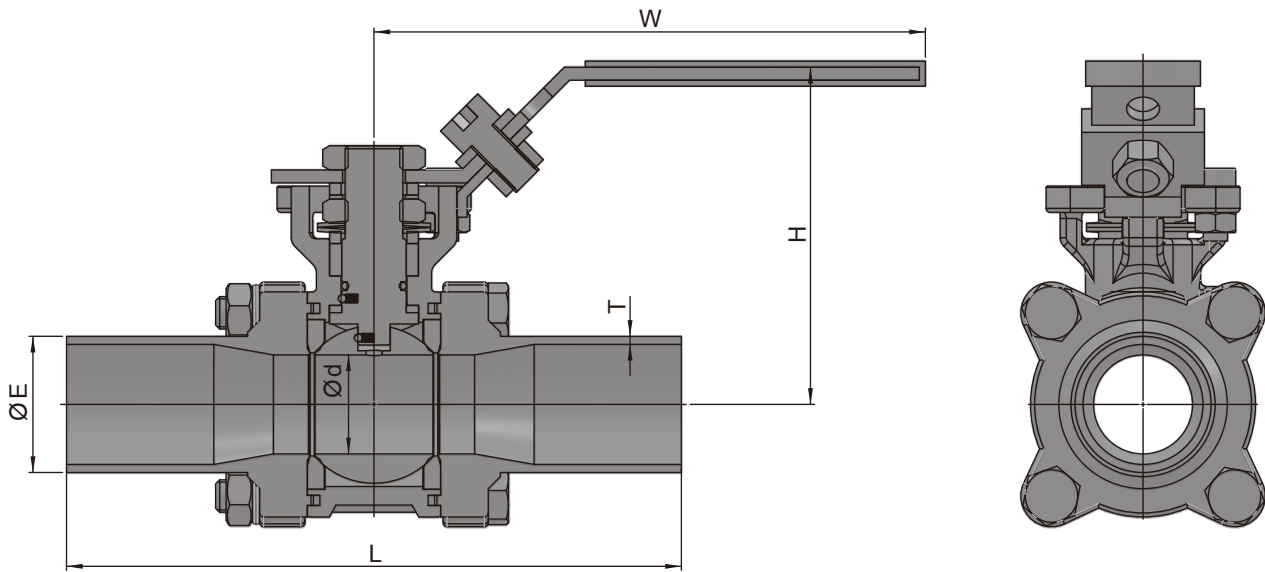
物料表 MATERIAL COMPOSITION



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL	ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Body	A351-CF8M	A216-WCB	13	Locking Tab	SS 304	SS 304
2	End Caps	A351-CF8M	A216-WCB	14	Handle	SS 304	SS 304
3	Seats	PTFE+15%G.F.	PTFE+15%G.F.	15	Handle Cover	VINYL	VINYL
4	Ball	A351-CF8M / SS 316	A351-CF8 / SS 304	16	Screw	SS 304	SS 304
5	Stem	SS 316	SS 304	17	Locking Device	SS 304	SS 304
6	Body Seal	PTFE	PTFE	18	Nut	SS 304	SS 304
7	Thrust Washer	PTFE+15%G.F.	PTFE+15%G.F.	19	Stop Screw	SS 304	SS 304
8	Packing	PTFE	PTFE	20	Stop Nut	SS 304	SS 304
9	O-Ring	VITON	VITON	21	Spring	SS 316	SS 316
10	Gland Ring	SS 304	SS 304	22	Static Device	SS 316	SS 316
11	Belleville Spring Washer	SS 301	SS 301	23	Bolt	SS 304	SS 304
12	Lever Nut	SS 304	SS 304	24	Spring Washer	SS 304	SS 304
				25	Nut	SS 304	SS 304

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
We reserve the right to modify the design / specification without previous notice for better quality.

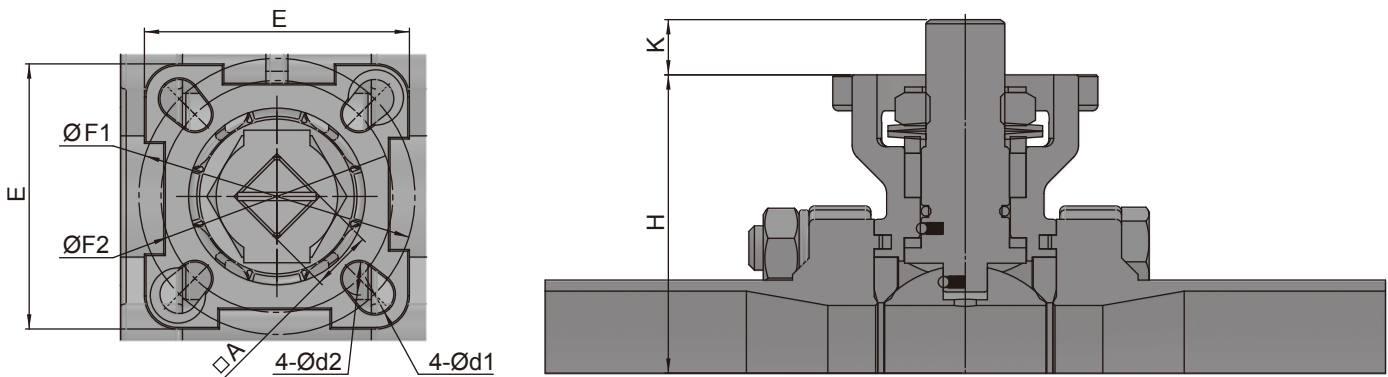
尺寸圖 DIMENSION LIST



307							
SIZE	d	L	W	H	E	T	ISO5211
1/2"	16	140.2	110	70.9	21.3	2	F03/F04
3/4"	20	140	110	73.4	26.9	2	F03/F04
1"	24.5	152.2	135	84.1	33.7	2	F04/F05
1-1/4"	32	165.2	165	89.3	42.4	2	F04/F05
1-1/2"	38	190.4	165	109.5	48.3	2	F05/F07
2"	50	203	165	118.9	60.3	2	F05/F07

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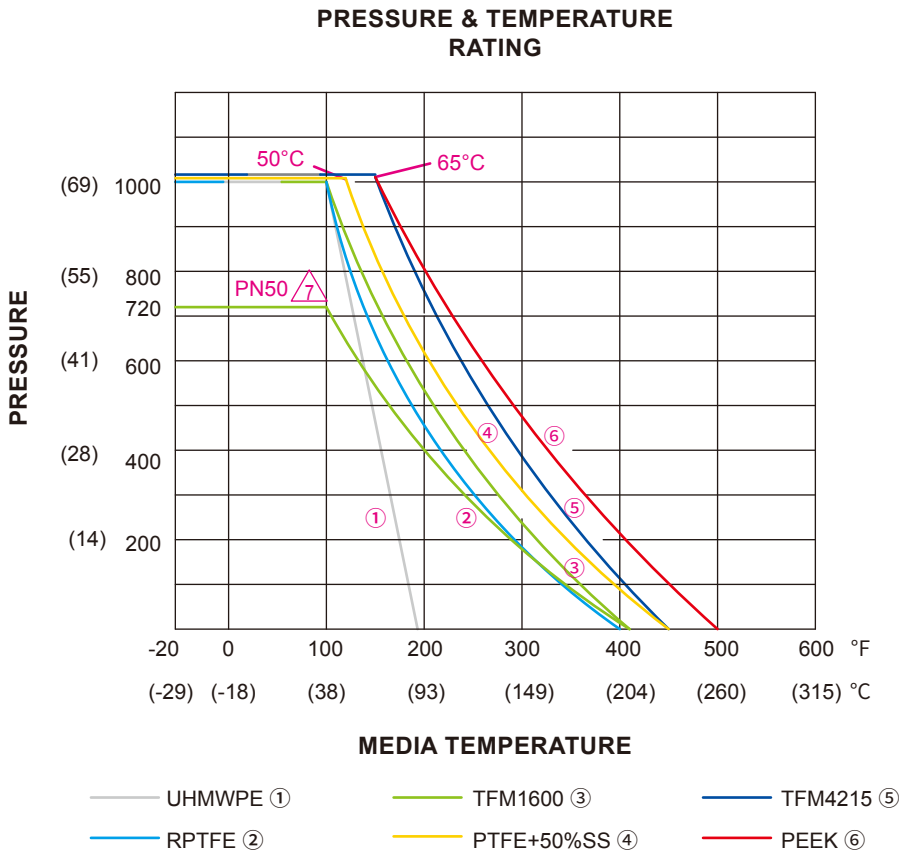
平台架尺寸 DIMENSIONS OF ISO MOUNTING PAD



307									
SIZE	A	d1	d2	E	F1	F2	K	H	ISO5211
1/4"	9	6	6	42	42	36	8	42.3	F03/F04
3/8"	9	6	6	42	42	36	8	42.3	F03/F04
1/2"	9	6	6	42	42	36	8	42.3	F03/F04
3/4"	9	6	6	42	42	36	8	44.8	F03/F04
1"	11	7	6	48	50	42	10	54	F04/F05
1-1/4"	11	7	6	48	50	42	10	59.2	F04/F05
1-1/2"	14	9	7	68	70	50	14.8	73.5	F05/F07
2"	14	9	7	68	70	50	14.8	82.9	F05/F07

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溫度壓力曲線圖 P/T CHART



- Remark:
1. It is recommended that the appropriate seat material, providing a higher pressure & temperature, is selected, if you feel the standard material is borderline and you prefer a larger safety allowance.
 2. For steam service, options available are PEEK, PTFE+50%SS, or Metal seat, depending on the service application.
 3. Final selection of seat material is the user's choice, experience & responsibility.
 4. Solid Lines-Continuous Temperature
Dotted Lines-Intermittent / Peak Temperature



SERIES

三 / 四通球閥
3 way / 4 way Ball Valve

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、蒸氣及高溫流體、汽車工業、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Steam & High Temperature Fluid, Automotive Industry, General Fluid.

技術資料 TECHNICAL DATA

設計 Design	B16.34, EN-12516-1
尺寸 Size	1/4" ~ 8" (DN8 ~ DN200)
壓力等級 Pressure Rating	1000 WOG, Class 150, Class 300, PN16
端口 End Connections	牙口端、套焊端、對焊端、法蘭端 Threaded End, Socket Weld End, Butt Weld End, Flanged End
產品檢測 Testing	API 598, EN12266-1
流量 Bore	減流量、全流量 Reduced Bore, Full Bore
認證 Certificate	ATEX

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
 - 可使用於執行器的 ISO 平台架。
 - RPTFE密封消除了對產品污染的擔憂。
 - 較低的操作扭力，便於操作並降低執行器成本。
 - 明確的開關位置指示。
 - 防爆軸心。
 - 可使用附鎖裝置。
 - 防靜電裝置，可應要求提供。
 - 根據 ISO 9001 認證的質量體系製造。
 - CE 標示符合 PED 2014/68/EU,可應要求提供。
 - 多種球座材質可供選擇。

除了標準的球座材質，球座有以下材質可供選擇。

每個球座選項將滿足廣泛的性能，適用於許多應用。

 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK

* 請參考溫壓圖
- Superior valve design at a competitive price.
 - ISO actuator mounting pad.
 - RPTFE seal relieves concern over product contamination.
 - Lower operating torque for ease of operation and reduced actuator cost.
 - Positive position indication.
 - Blowout-proof shaft.
 - Locking device is available.
 - Anti-static device, on request.
 - Manufactured under ISO 9001 certified quality system.
 - CE marking according to PED 2014/68/EU. Available on request.
 - Various seat material are available.

In addition to standard seat material, following variety is available.

Each material option will meet a wide range of performance,

suitable for many applications.

 - PTFE + 15% Glass Fiber
 - PTFE + 25% Carbon Fiber
 - Modified PTFE
 - Modified PTFE + 25% Carbon Fiber
 - PTFE + 50% SS
 - PEEK

* Please refer to the Pressure-Temperature rating.

MODEL

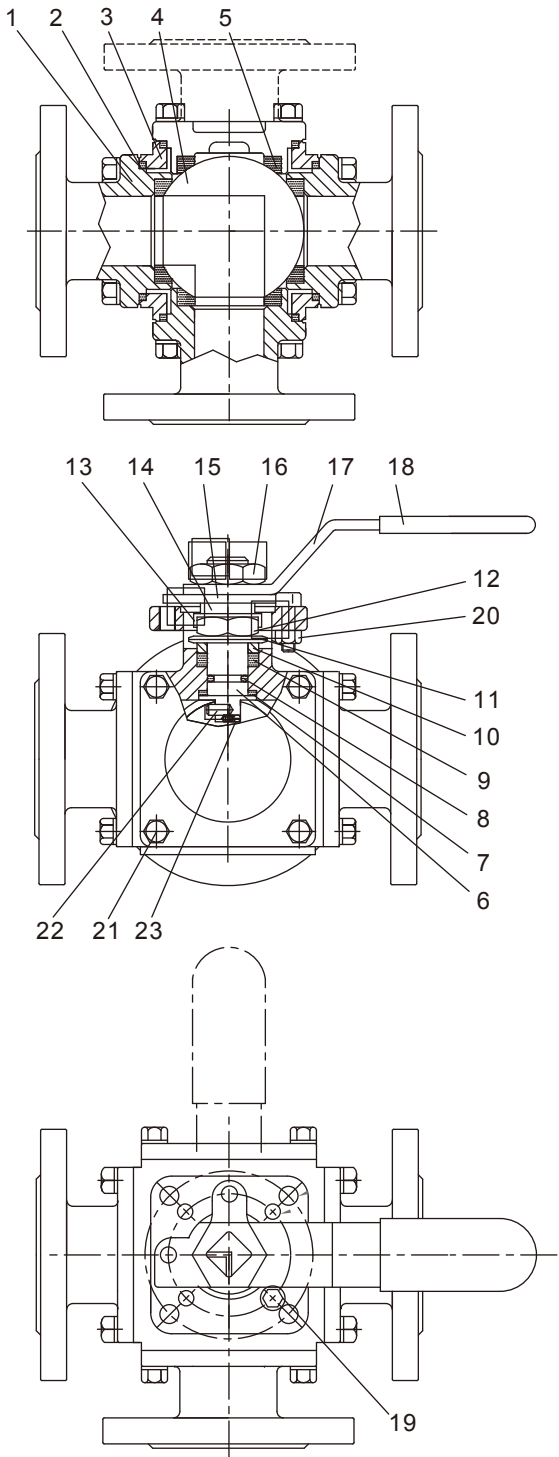
A3W-FE / A4W-FE / A3W-SE

產品介紹

Product Introduction

物料表 MATERIAL COMPOSITION

型號 Fig. No. : A3W-FE / A4W-FE (1/2"~2")



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Flange End	CF8M	WCB
2	Gasket	PTFE	PTFE
3	Body	CF8M	WCB
4	Ball	CF8M	CF8M
5	Seat	PTFE	PTFE
6	Stem	SS 316	SS 316
7	Thrust Washer	RPTFE	RPTFE
8	O-ring	Viton	Viton
9	Stem Packing	Graphite	Graphite
10	Gland	SS 304	SS 304
11	Belleville Washer	SS301	SS301
12	Stem Nut	SS 304	SS 304
13	Nut Stop	SS 304	SS 301
14	Space Washer	SS 304	SS 304
15	Plater	SS 304	SS 304
16	Handle Nut	SS 304	SS 304
17	Handle	SS 304	SS 304
18	Cover	Plastisol	Plastisol
19	Stop Pin	SS 304	SS 304
20	Stop Pin Nut	SS 304	SS 304
21	Flange End Bolts	B8	B8
22	Pin	SS 316	SS 316
23	Anti-Static Device	SS 316	SS 316

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球閥

BALL VALVE

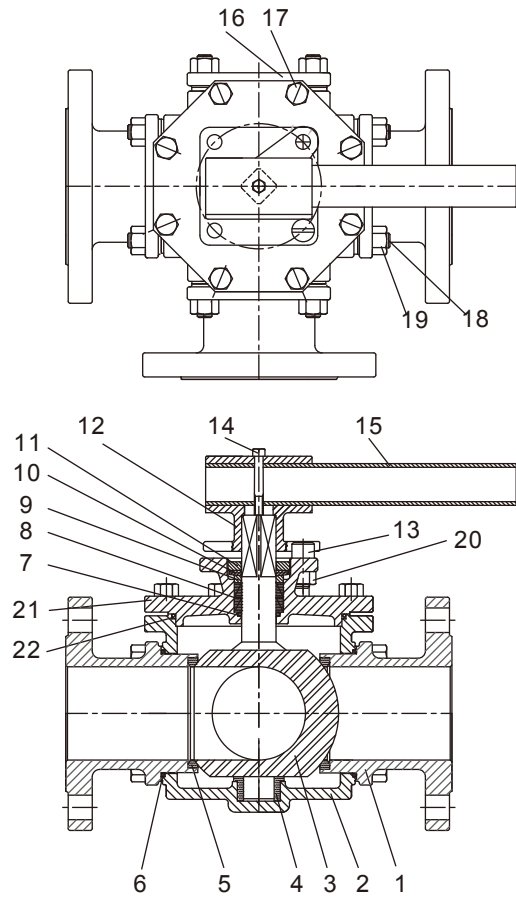
SERIES

三 / 四通球閥

3 way / 4 way Ball Valve

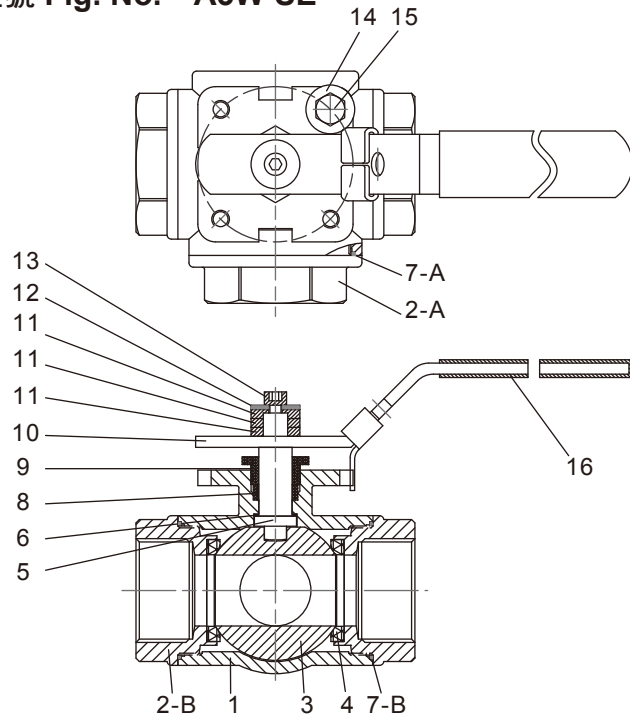
物料表 MATERIAL COMPOSITION

型號 Fig. No. : A3W-FE / A4W-FE (2-1/2"~4")



ITEM	PART NAME	STAINLESS STEEL	CARBON STEEL
1	Flanged End	CF8M	WCB
2	Body	CF8M	WCB
3	Ball & Stem	CF8M	CF8M
4	Housing	PTFE+Stainless	PTFE+Stainless
5	Seats	PTFE/RPTFE	PTFE/RPTFE
6	Gasket	PTFE	PTFE
7	O-ring	Viton	Viton
8	Stem Packing	PTFE	PTFE
9	Gland Washer	SS 304	SS 304
10	Belleville Washer	SS 301	SS 301
11	Gland	SS 304	SS 304
12	Handle Head	CF8	CF8
13	Stop Pin	SS 304	SS 304
14	Bolt	SS 304	SS 304
15	Lever	Carbon Steel	Carbon Steel
16	Blank end	CF8M	WCB
17	Bonnet bolts	SS 304	SS 304
18	End cap bolts	SS 304	SS 304
19	Bolt Nuts	SS 304	SS 304
20	Stop Pin Nut	SS 304	SS 304
21	Bonnet	CF8M	WCB
22	Bonnet Gasket	PTFE	PTFE

型號 Fig. No. : A3W-SE



ITEM	PART NAME	MATERIAL
1	Body	CF8M
2-A	Cap	CF8M
2-B	Cap	CF8M
3	Ball	CF8M
4	Ball Seats	PTFE
5	Stem	SS 316
6	Thrust Washer	PTFE
7-A	End Seals	PTFE
7-B	End Seals	PTFE
8	Stem Packing	PTFE
9	Gland	SS 304
10	Handle	SS 304
11	Wahser	SS 304
12	Wahser	SS 304
13	Handle Bolt	SS 304
14	Stopper	SS 304
15	Screw	SS 304
16	Handle Sleeve	VINYL Grip

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MODEL

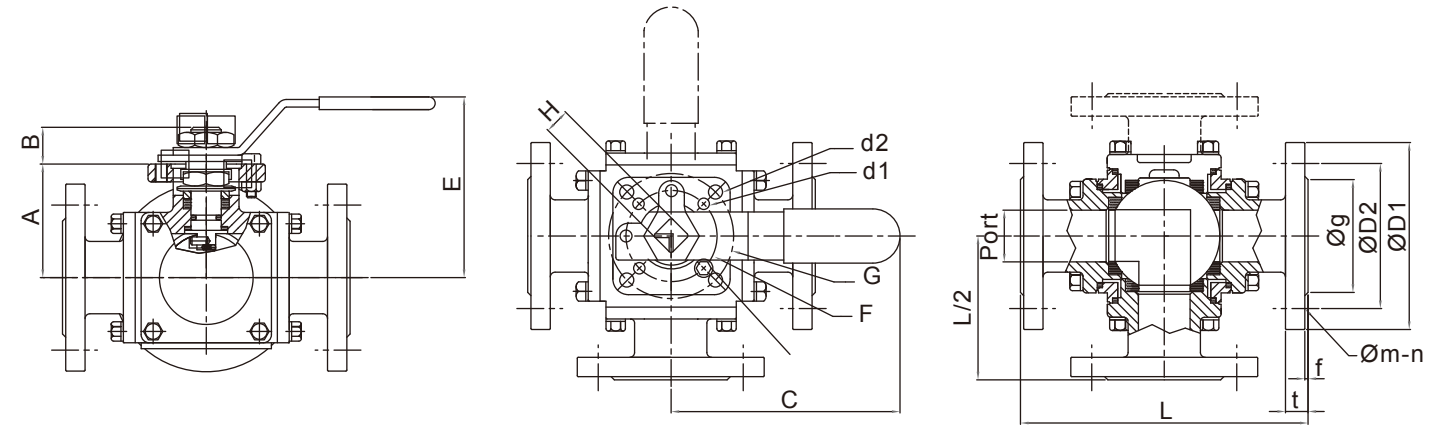
A3W-FE / A4W-FE / A3W-SE

產品介紹

Product Introduction

尺寸圖 DIMENSION LIST

型號 Fig. No. : A3W-FE / A4W-FE (1/2"~2")



SIZE	A	B	C	d1	d2	E	F	G	H	Port	L					
											#150	#300	PN16	PN40	10K	20K
1/2"	42	11	130	6.0	6.0	105	36	42	9	15	152	160	160	160	152	160
3/4"	48.5	14	165	6.0	7.1	114	42	50	11	20	167	177	177	177	167	177
1"	55.5	14	165	6.0	7.1	121	42	50	11	25	190	200	190	190	190	190
1-1/4"	63	17	205	7.1	9.2	118	50	70	14	32	208	208	208	208	208	208
1-1/2"	73.5	16	205	7.1	9.2	128	50	70	14	38	220	234	234	234	220	234
2"	92.5	21	325	9.2	11.4	143	70	102	17	50	253	273	273	273	253	273

Class 150/300 (1/2"~2")

SIZE	Class 150							Class 300						
	D1	D2	g	t	f	m	n	D1	D2	g	t	f	m	n
1/2"	89	60.5	35	11.2	1.6	16	4	95	66.5	35	14.5	1.6	16	4
3/4"	98	70	43	11.2	1.6	16	4	117	82.5	43	16	1.6	19	4
1"	108	79.5	51	11.2	1.6	16	4	124	89	51	17.5	1.6	19	4
1-1/4"	117	89	64	12.7	1.6	16	4	134	98.5	64	19.5	1.6	19	4
1-1/2"	127	98.5	73	14.3	1.6	16	4	156	114.5	73	21	1.6	22	4
2"	152	120.5	92	15.8	1.6	16	4	165	127	92	22.5	1.6	19	8

PN16/40 (1/2"~2")

SIZE	PN16							PN40						
	D1	D2	g	t	f	m	n	D1	D2	g	t	f	m	n
1/2"	95	65	45	14	2.0	14	4	95	65	45	16	2.0	14	4
3/4"	105	75	58	16	2.0	14	4	105	75	58	18	2.0	14	4
1"	115	85	68	16	2.0	14	4	115	85	68	18	2.0	14	4
1-1/4"	140	100	78	16	2.0	18	4	140	100	78	18	2.0	18	4
1-1/2"	150	110	88	16	3.0	18	4	150	110	88	18	3.0	18	4
2"	165	125	102	18	3.0	18	4	165	125	102	20	3.0	18	4

JIS 10K/20K (1/2"~2")

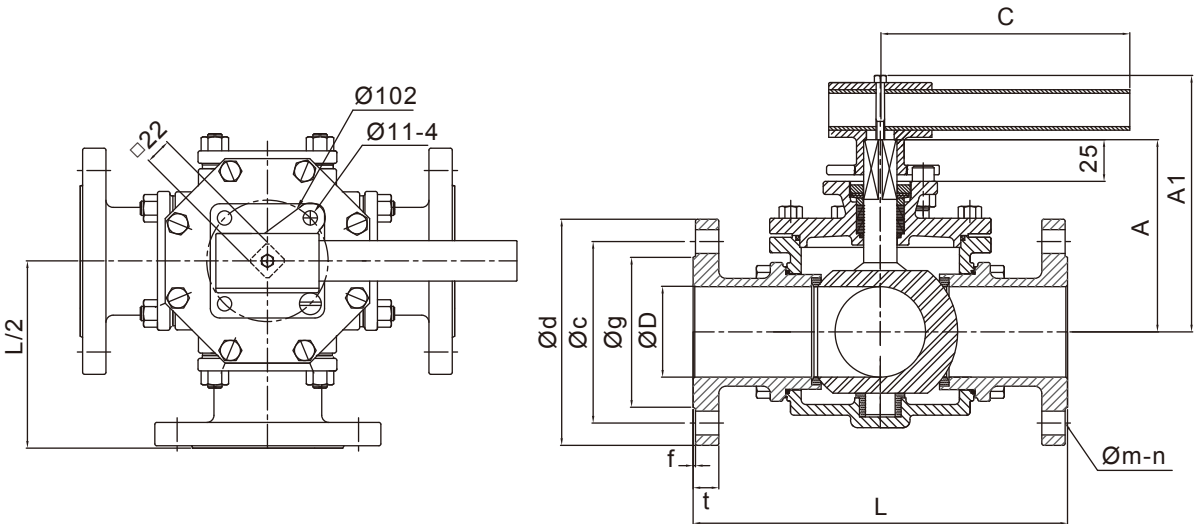
SIZE	JIS 10K							JIS 20K						
	D1	D2	g	t	f	m	n	D1	D2	g	t	f	m	n
1/2"	95	70	51	14	1.0	15	4	95	70	51	14	1.0	15	4
3/4"	100	75	56	16	1.0	15	4	100	75	56	16	1.0	15	4
1"	125	90	67	14	1.0	19	4	125	90	67	16	1.0	19	4
1-1/4"	135	100	76	18	2.0	19	4	135	100	76	18	2.0	19	4
1-1/2"	140	105	81	16	2.0	19	4	140	105	81	18	2.0	19	4
2"	155	120	96	18	2.0	19	4	155	120	86	18	2.0	19	8

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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尺寸圖 DIMENSION LIST

型號 Fig. No. : A3W-FE / A4W-FE (2-1/2"~4")



SIZE	A	A1	C	D	L					
					#150	#300	PN16	PN40	10K	20K
2-1/2"	144	200	500	62	300	300	300	300	300	300
3"	162	218	600	76	305	330.4	305	330.4	305	330.4
4"	182	238	750	96	368.5	393.8	368.4	393.8	368.5	393.8

Class 150/300 (2-1/2"~4")

SIZE	Class 150							Class 300						
	d	c	g	f	t	m	n	d	c	g	f	t	m	n
2-1/2"	178	139.5	105	1.6	17.8	19	4	190	149	105	1.6	25.5	22	8
3"	190	152.5	127	1.6	19.2	19	4	210	168	127	1.6	29	22	8
4"	229	190.5	157	1.6	24	19	8	254	200	157	1.6	32	22	8

PN16/40 (2-1/2"~4")

SIZE	PN16							PN40						
	d	c	g	f	t	m	n	d	c	g	f	t	m	n
2-1/2"	185	145	122	3.0	18.0	18	4	185	145	122	3.0	22	18	8
3"	200	160	138	3.0	20.0	18	8	200	160	138	3.0	24	18	8
4"	220	180	158	3.0	20.0	18	8	235	190	162	3.0	24	22	8

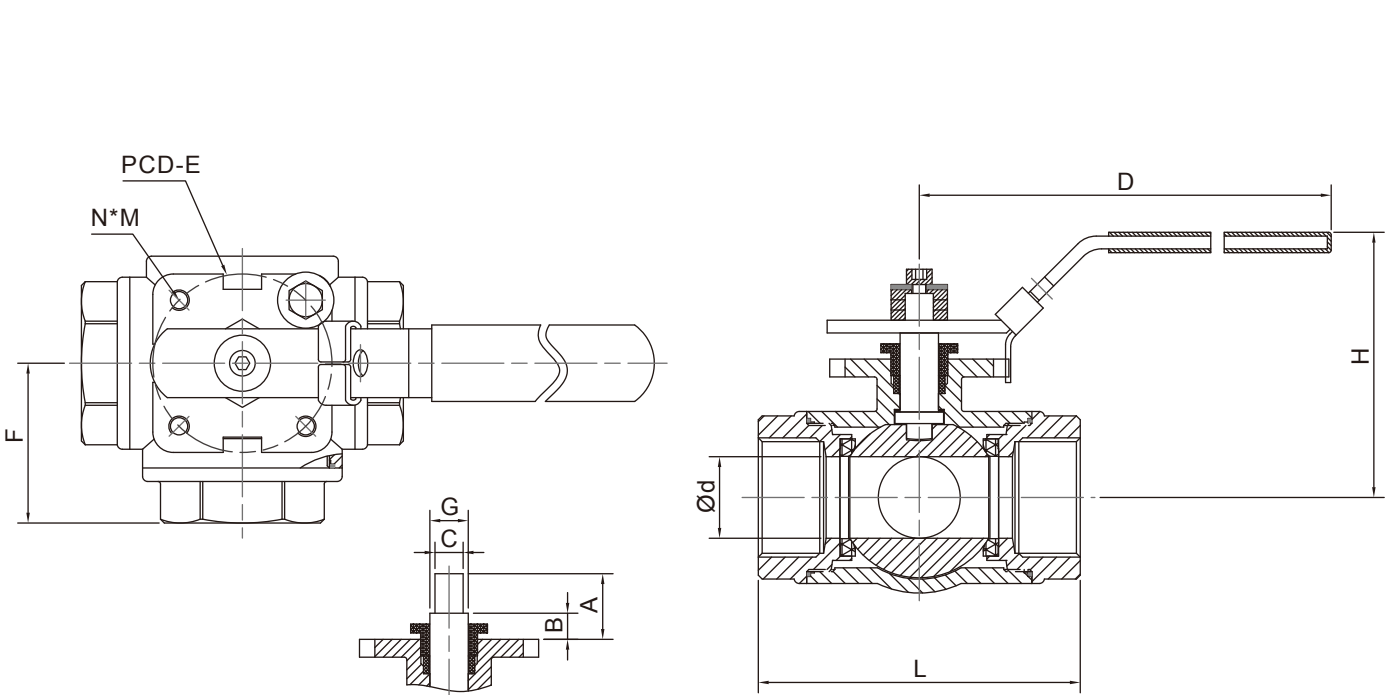
JIS 10K/20K (2-1/2"~4")

SIZE	JIS 10K							JIS 20K						
	d	c	g	f	t	m	n	d	c	g	f	t	m	n
2-1/2"	175	140	116	2.0	18	19	4	175	140	116	2.0	20	19	8
3"	185	150	126	2.0	18	19	8	200	160	132	2.0	22	23	8
4"	210	175	151	2.0	18	19	8	225	185	160	2.0	24	23	8

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We reserve the right to modify the design / specification without previous notice for better quality.

尺寸圖 DIMENSION LIST

型號 Fig. No. : A3W-SE

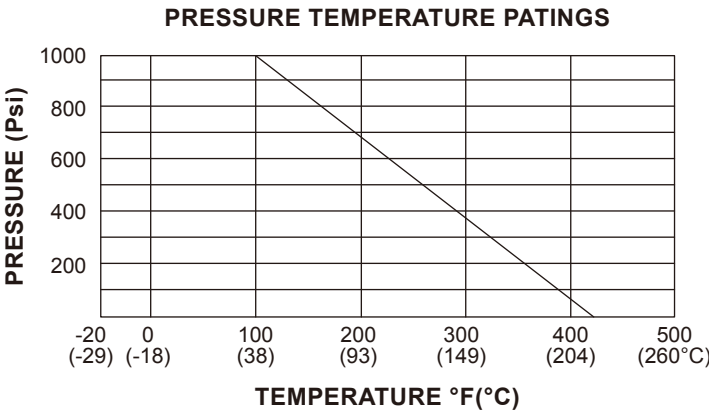


SIZE	d	L	H	D	F	A	B	C	N	M	E	G
1/4"	11	69.3	60	131	34.7	10.35	5.35	9	4	M5*0.8	42	12
3/8"	11	69.3	60	131	34.7	10.35	5.35	9	4	M5*0.8	42	12
1/2"	12.5	75.7	63	131	38.3	10.35	5.35	9	4	M5*0.8	42	12
3/4"	16	86.6	82	184	44.7	13.85	6.85	11	4	M6*1.0	50	15
1"	20	103	87	184	50.8	20	8.5	11	4	M6*1.0	50	15
1-1/4"	25	118.2	93	184	57.7	19.35	7.85	11	4	M6*1.0	50	15
1-1/2"	32	125.8	103	204	62.6	25.75	10.25	11	4	M8*1.25	70	15
2"	38	149	110	227	74.3	25.25	9.75	14	4	M8*1.25	70	18.5

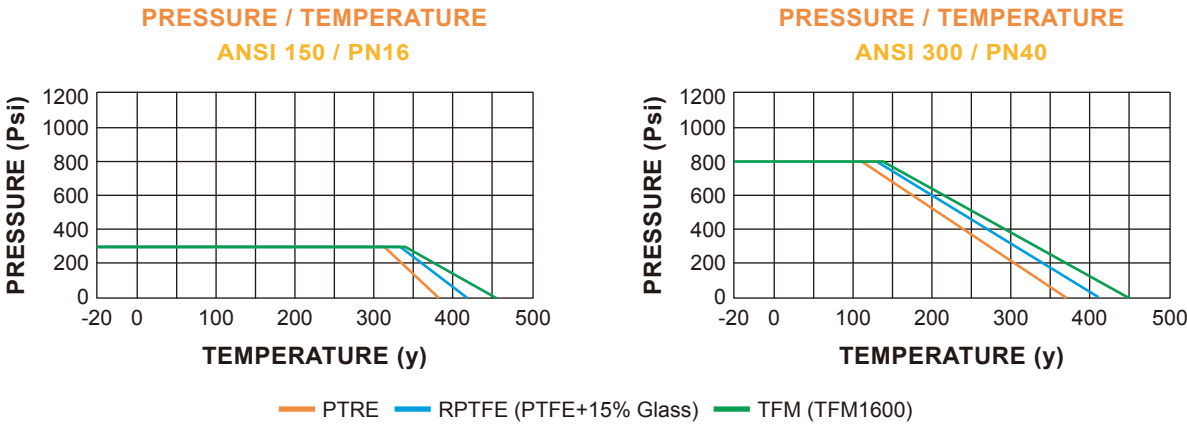
* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
We reserve the right to modify the design / specification without previous notice for better quality.

溫度壓力曲線圖 P/T CHART

型號 Fig. No. : A3W-SE



型號 Fig. No. : A3W-FE, A4W-FE





技術資料 TECHNICAL DATA

尺寸範圍 Size Range	1/4" ~ 10"
壓力等級 Pressure Rating	法蘭端：JIS 10K / 20K, ANSI 150 / 300, PN16 / 40 螺紋端：1000 WOG, 2000 WOG, PN63 / 100, ANSI 600 / 800 / 1500 / 2500 Flanged End: JIS 10K / 20K, ANSI150 / 300, PN16 / 40. Threaded End: 1000 WOG, 2000WOG, PN63 / 100, ANSI 600 / 800 / 1500 / 2500.
端部連接 End Connection	法蘭端、螺紋端、套焊端、對焊端 Flanged End, Threaded End, Socket Weld End, Butt Weld End.
閥門材料 Material of Valve	碳鋼、不銹鋼、其他根據要求提供的材料 Carbon Steel, Stainless Steel, Other Material Available Upon Request.
執行器 Actuator	單動、雙動氣缸 Pneumatic Spring Return, Double Acting.
選件 Option	限位開關盒、電磁閥、過濾調節器 Limit Switch Box, Solenoid Valve, Filter Regulator.



MODEL

B01 / R7

產品介紹

Product Introduction

應用 APPLICATIONS

礦業與礦物加工業、紙漿和造紙、水與汙水處理、化工廠、石油與天然氣工業、高壓流體、蒸氣及高溫流體、汽車工業、造船業、一般流體。
Mining & Mineral Processing, Pulp & Paper, Water & Waste Water, Chemical Plant, Oil & Gas, High Pressure Fluid, Steam & High Temperature Fluid, Automotive Industry, Ship-Building Industry, General Fluid.

技術資料 TECHNICAL DATA

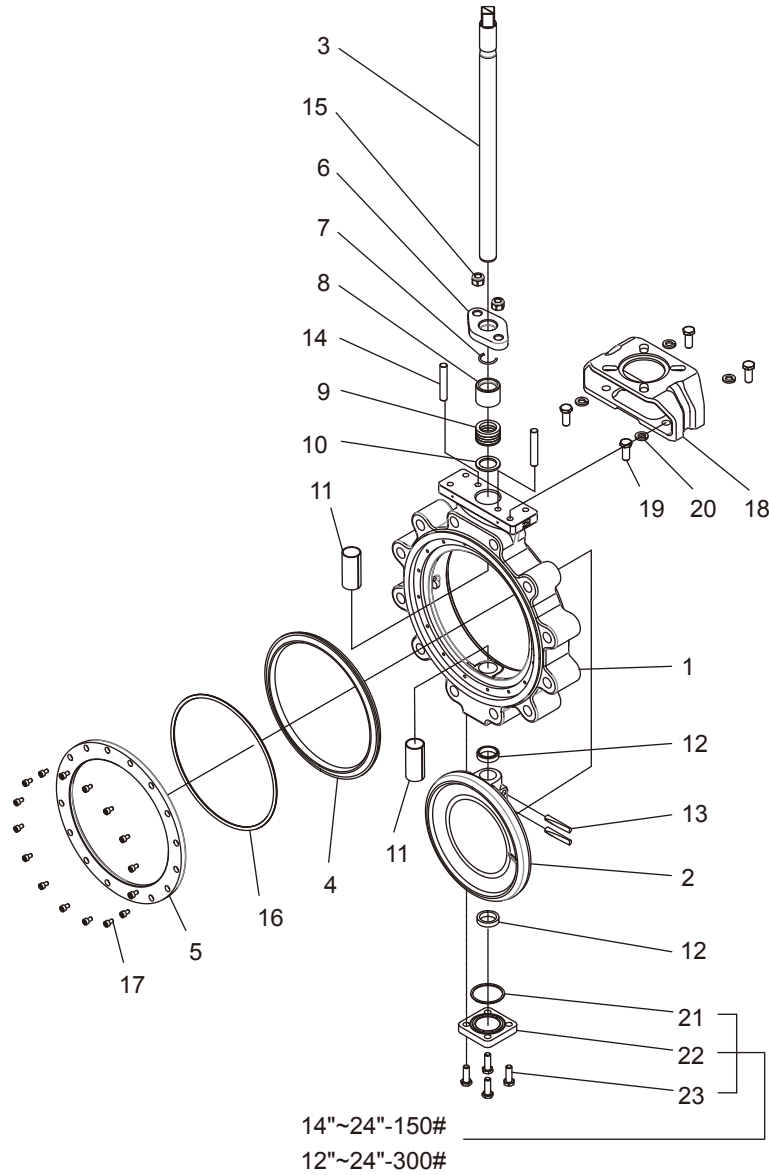
設計 Design	API 609
尺寸 Size	3" ~ 24"
壓力等級 Pressure Rating	PN10, PN16, PN25, PN40, JIS 10, Class 150, Class 300
端口 End Connections	對夾式、凸耳式、法蘭 Wafer, Lug, Flanged
產品檢測 Testing	API 598

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 偏心蝶板與偏置的軸提供閥門開啟時，蝶板能迅速脫離閥座密封面，使蝶板與閥座密封面只有短暫接觸時間，延長閥門使用壽命，同時也保持蝶板整個周邊的密封性。(EA-B01, EA-B03)
- 可直接安裝執行器的 ISO 平台架，不需支架連接桿，節省成本、空間及時間。可應要求提供。
- 中軸Packing具備Live Loading設計 (具備盤型華司組) 可以滿足低洩漏產品要求。(EA-B01, EA-B03)
- 12"以下閥體採整體式設計降低閥體產生洩漏的風險。(EA-B01, EA-B03)
- 雙向密封，密封和調節性能好。
- 新穎的密封閥座及壓蓋的設計，易於更換，可降低現場維護成本。
- 防噴出軸心設計。
- 較低的操作扭力，便於操作並降低執行器成本。
- 明確的開關位置指示。
- 根據 ISO 9001 認證的質量體系製造。
- Superior valve design at a competitive price.
- Offset disc and shaft helps sealing surface of disc move quickly off the sealing surface of valve seat when opening the valve. The short contact time of two sealing surfaces extends the life of the valve, and ensures entire sealing function. (EA-B01, EA-B03)
- Machined ISO actuator mounting pad for directly mount actuator, bracket and adaptor is unnecessary, save cost, space and time. Available on request.
- Packing with Live Loading design (with disc washer) for low emission requirement. (EA-B01, EA-B03)
- Integral valve body for 12" and below, to lower the risk of leaking. (EA-B01, EA-B03)
- Bi-directional sealing: Superior sealing and regulating function.
- Design of seat and cover plate for ease of seat replacement - lowers maintenance cost.
- Blow-out-proof shaft design.
- Lower operating torque for ease of operation and reduced actuator cost.
- Positive position indication.
- Manufactured under ISO 9001 certified quality system.

物料表 MATERIAL COMPOSITION

型號 Fig. No. : B01

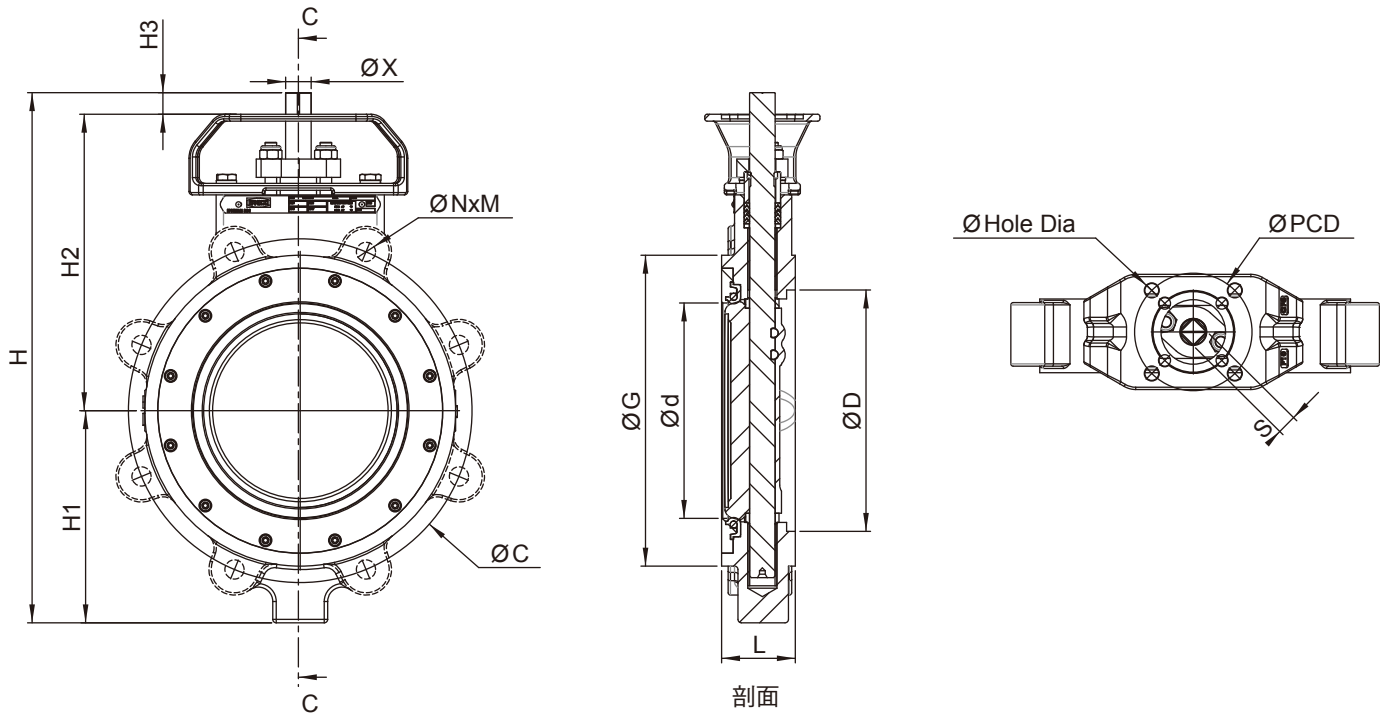


ITEM	PART NAME	MATERIAL
1	Body	A351 CF8M
2	Disc	A351 CF8M
3	Shaft	A564 17-4PH
4	Seat Ring	PTFE
5	Embedding Ring	A182 F316
6	Seat Retainer	A351 CF8M
7	Fixing Ring	INCONEL X750
8	Upper packing bush	SS316
9	Packing	PTFE
10	Lower Packing Bush	SS316
11	Self-lubricating Bearing	SS316+PTFE
12	Bush	SS316+Cr Plating

ITEM	PART NAME	MATERIAL
13	Key	A564 17-4PH
14	Stud	A193 B8
15	Anti-loose Nut	A194-8
16	O-ring	VITON
17	Socket Head Bolt	A193 B8
18	Bracket	A351 CF8M
19	Hexagon Bolt	A2-70
20	Spring Washer	SS304
21	Lower Cap Gasket	PTFE
22	Lower Cap	A351 CF8M
23	Hexagon Bolt	A2-70

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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尺寸圖 DIMENSION LIST



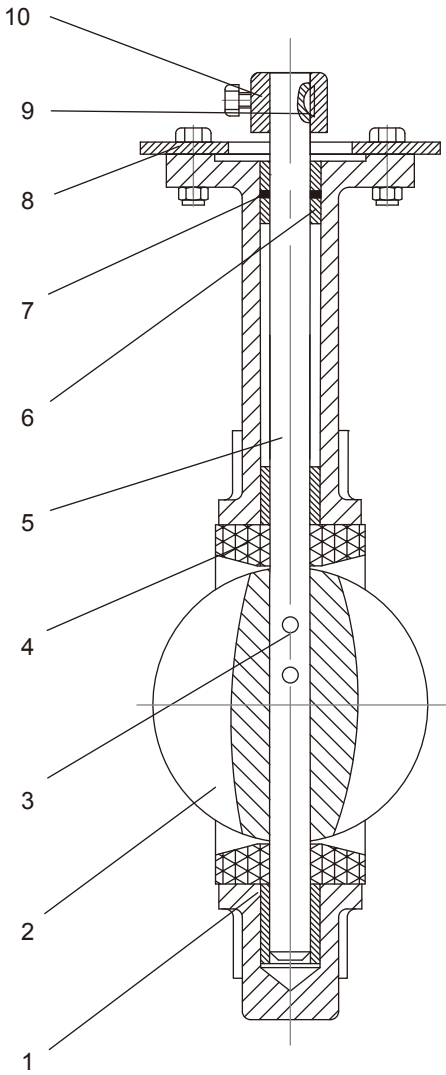
B01 (Class 150)

SIZE		L	H	H1	H2	H3	D	d	G	S	X	Mounting Data ISO 5211			Approx. Weight (KG)	Lug C
IN	DN											PCD	O. HOLES	HOLE DIA.		
3	80	48	315	111	191	13	89	73	127	11	16	F10	4	12	7	152
4	100	54	340	121	203	16	114	95	157	11	16	F10	4	12	8	191
6	150	57	375	134	222	19	158	142	216	14	19	F10	4	12	14	241
8	200	64	460	184	257	19	209	187	270	17	22.2	F10	4	12	21	298
10	250	71	560	224	312	24	254	235	324	22	28.4	F10/F12	4	12/14	34	362
12	300	81	633	263	340	30	305	281	381	27	34.7	F10/F12	4	12/14	46	432
14	350	92	755	295	420	40	340	322	413	36	47.7	F16	4	22	75	476
16	400	102	805	319	448	40	397	363	480	36	47.7	F16	4	22	99	540
18	450	114	857	347	471	40	448	413	534	36	54	F16	4	22	135	578
20	500	127	906	366	493	47	489	455	585	46	60	F16	4	22	170	635
24	600	154	1121	456	615	50	590	548	692	46	70	F16	4	22	272	749

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : R7



No.	PART NAME	MATERIAL
1	Body	DI/WCB/CF8/CF8M
2	Disc	DI/WCB/CF8/CF8M
3	Pin	SS416/SS420/SS316/SS304
4	Seat	EPDM/NBR/VITON
5	Stem	SS416/SS420/SS316/SS304
6	Bushing	PTFE
7	O-Ring	NBR
8	Indicator	Carbon Steel
9	Key	Carbon Steel
10	Lever	Malleable Iron

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蝶閥

Butterfly Valve

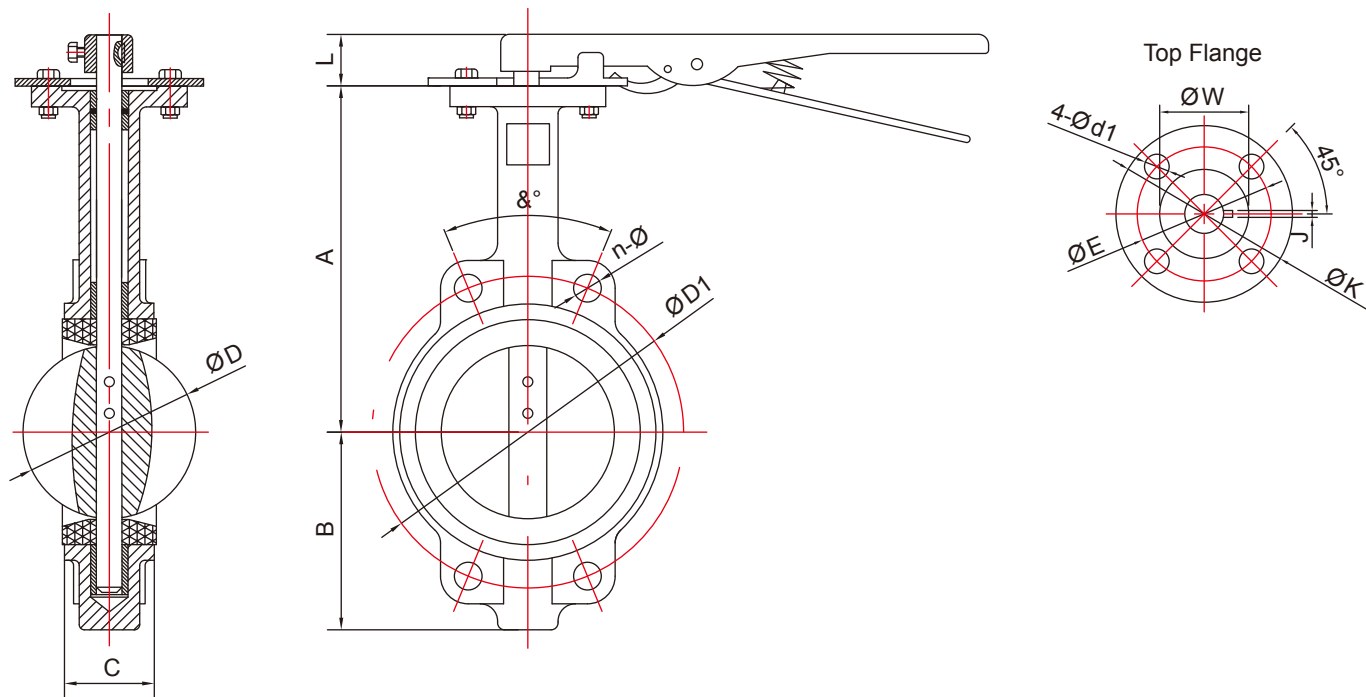
MODEL

B01 / R7

產品介紹

Product Introduction

尺寸圖 DIMENSION LIST



R7 (150LB)

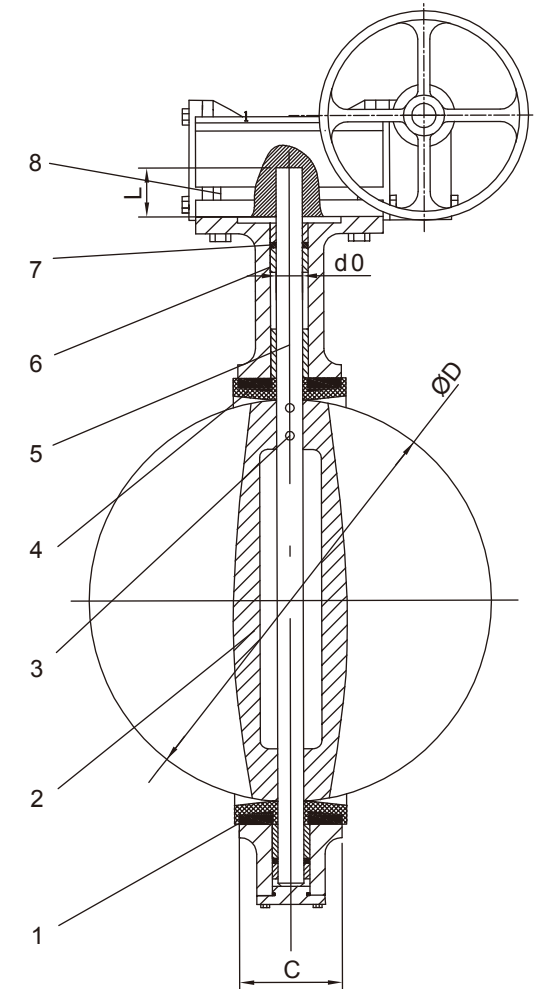
SIZE	A	B	C	D	d0	L	D1	4-Ø	&°	ØK	ØE	ØW	4-Ød1	J
1.5"	132	75	33	41	12.6	30	98.5	4-16	90	65	50	35	4-7	3
2"	161	80	43	52.6	12.6	30	120.5	4-18	90	65	50	35	4-7	3
2.5"	175	89	46	64.3	12.6	30	139.5	4-18	90	65	50	35	4-7	3
3"	181	95	46	78.8	12.6	30	152.5	4-18	45	65	50	35	4-7	3
4"	200	114	52	104	15.77	30	190.5	4-18	45	90	70	55	4-10	5
5"	213	127	56	123.3	18.92	30	216	4-22	45	90	70	55	4-10	5
6"	226	139	56	155.7	18.92	30	241.5	4-22	45	90	70	55	4-10	5
8"	260	175	60	202.41	22.1	45	298.5	4-22	45	125	102	70	4-12	5
10"	292	203	68	250.42	28.45	45	362	4-26	30	125	102	70	4-12	8
12"	337	242	78	301.5	31.6	45	432	4-26	30	125	102	70	4-12	8

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : R7

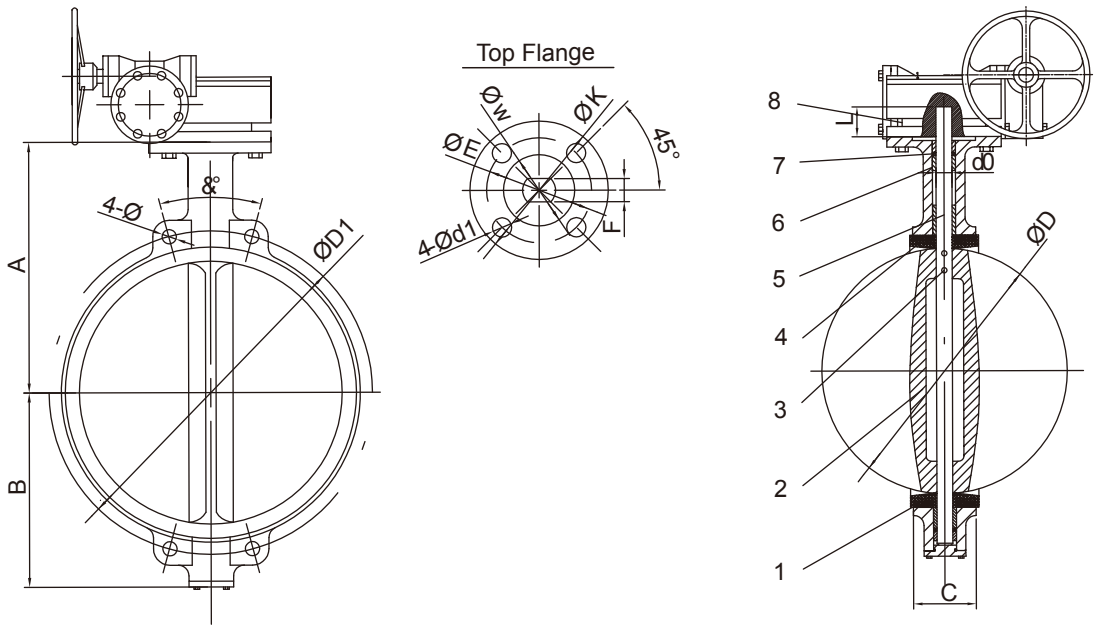


No.	PART NAME	MATERIAL
1	Body	DI/WCB/CF8/CF8M
2	Disc	DI/WCB/CF8/CF8M
3	Pin	SS416/SS420/SS316/SS304
4	Seat	EPDM/NBR/VITON
5	Stem	SS416/SS420/SS316/SS304
6	Bushing	PTFE
7	O-Ring	NBR
8	Gear	Cast Iron

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尺寸圖 DIMENSION LIST



R7 (150LB)

SIZE	A	B	C	D	d0	L	N-Ø	D1	&*	ØK	ØE	ØW	4-Qd1	F
14"	368	268	78	333.5	31.6	45	4-29.5	476	30	125	102	70	4-12	24
16"	400	360	102	389.6	37.95	70	4-29.5	539.7	22.5	175	140	100	4-18	27
18"	422	328	114	440.5	42.86	70	4-31.8	577.8	22.5	175	140	100	4-18	27
20"	480	309	127	491.6	44.72	75	4-31.8	635	18	175	140	100	4-18	32
24"	562	268	154	529.5	53.98	80	20-35.1	749.3	18	210	165	130	4-23	36

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MODEL

G5 / G5-Forge / G6

產品介紹

Product Introduction



應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、發電廠、造船工業、高壓流體、蒸氣及高溫流體、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas Industry, Power Plant, Ship-Building Industry, High Pressure Fluid, Steam & High Temperature Fluid, General Fluid.

技術資料 TECHNICAL DATA

設計 Design	B16.34, API 603, API 600, API 602
尺寸 Size	1/2" ~ 16"
壓力等級 Pressure Rating	600 WOG, Class 150 ~ Class 2500 JIS 10K, PN16
端口 End Connections	牙口端 Threaded End: G5 套焊端 Socket Weld End: G5 法蘭端 Flanged End: G6
產品檢測 Testing	API 598
流量 Bore	全流量 Full Bore

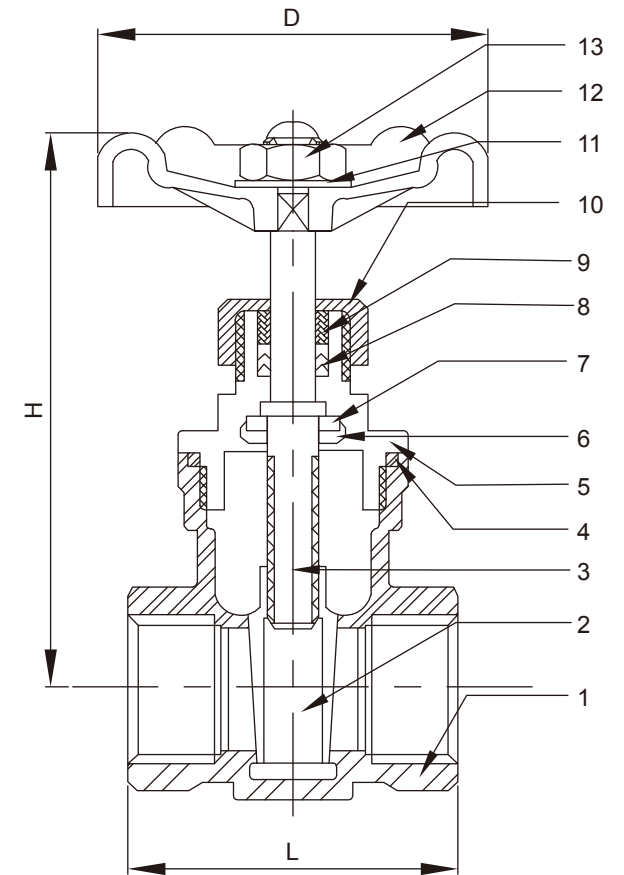
特點 FEATURES

- 以具有競爭力的價格提供卓越的閘門設計。
- 易燃和非易燃應用的逸散性洩漏控制。
可應要求提供。(G6 1/2" ~ 2")
- 閘門逸散性排放能力通過 ISO 15848-1 第三方認證。
可應要求提供。(G6 1/2" ~ 2")
- 根據 ISO 9001 認證的質量體系製造。
- 多種球座材質可供選擇。
除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
 - Metal Seat
 - Stellite 6 Body Seat
 - Stellite 6 Body + Disc Sealing

- Superior valve design at a competitive price.
- Fugitive emissions control for flammable and non-flammable applications.
Available on request. (G6 1/2" ~ 2")
- Valve fugitive emissions capability third-party certified to ISO 15848-1.
Available on request. (G6 1/2" ~ 2")
- Manufactured under ISO 9001 certified quality system.
- Various seat material are available.
In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance,
suitable for many applications.
 - Metal Seat
 - Stellite 6 Body Seat
 - Stellite 6 Body + Disc Sealing

物料表 MATERIAL COMPOSITION

型號 Fig. No. : G5



ITEM	PART NAME	Q'TY	MATERIAL
1	Body	1	316;CF8M
2	Disc	1	316;CF8M
3	Stem	1	316;CF8M
4	Cap	1	316;CF8M
5	Gasket	1	Teflon
6	Snap Pin	1	316
7	Stem Packing	1	316
8	Packing	1	Teflon
9	Gland Washer	1	304;316
10	Cap Nut	1	304;316
11	Spin Washer	1	Aluminum
12	Handle	1	Aluminum
13	Nut	1	304

尺寸圖 DIMENSION LIST

G5 (600psi)

VALVE SIZE	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
L m/m	55.5	58.0	62.5	70.5	78.5	83.0	96.0	114.5	131.0
H m/m	95.5	99.0	109.0	114.0	135.5	152.0	170.5	215.0	243.0
D m/m	61.0	61.0	61.0	77.0	83.0	83.0	95.0	112.0	112.0
WEIGHT(KG)	0.35	0.42	0.53	0.68	0.95	1.26	1.98	3.43	5.25
CV	7	16	36	68	105	155	290	489	698

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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閘閥
Gate Valve

MODEL

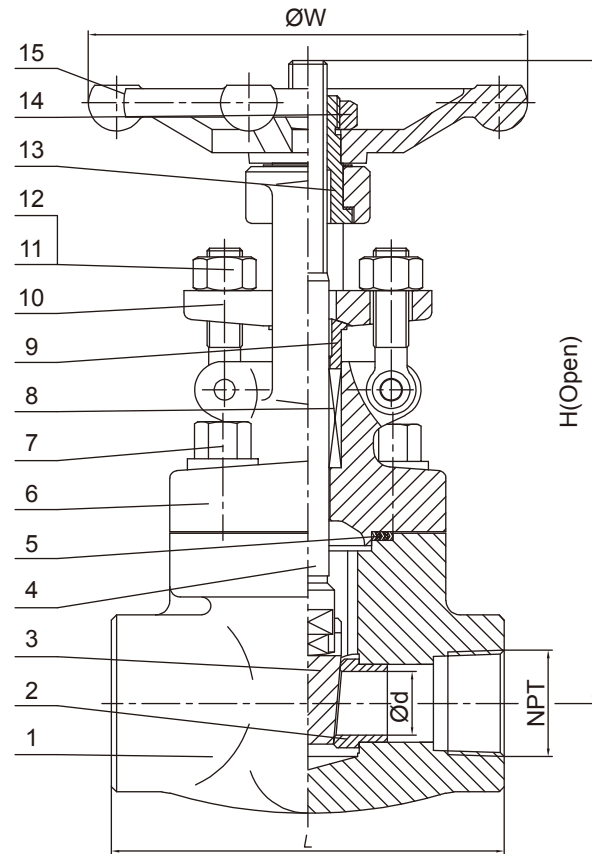
G5 / G5-Forge / G6

產品介紹

Product Introduction

物料表 MATERIAL COMPOSITION

型號 Fig. No. : G5-Forge



ITEM	PART NAME	MATERIAL
1	Body	A105
2	Seat	A276 420
3	Wedge	A182 F6a
4	Stem	A182 F6a
5	Gasket	304SS+Graphite
6	Bonnet	A105
7	Bolt	A193 B7
8	Packing	Graphite
9	Gland	A276 420
10	Gland Flange	A105
11	Gland Eyebolt	A193 B7
12	Nut	A194 2H
13	Stem Nut	A276 410
14	Locking Nut	A29 1035
15	Handwheel	A197

尺寸圖 DIMENSION LIST

G5-Forge (Class 800)

SIZE	CLASS	DIMENSION(mm)				
		L	NPT	Ød	ØW	H
1/2"	800	79	1/2"	10.5	96	150
3/4"	800	92	3/4"	13.5	96	154
1"	800	111	1"	18	120	183
1-1/4"	800	120	1-1/4"	23	150	219
1-1/2"	800	120	1-1/2"	29	150	236
2"	800	140	2"	37	150	273

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

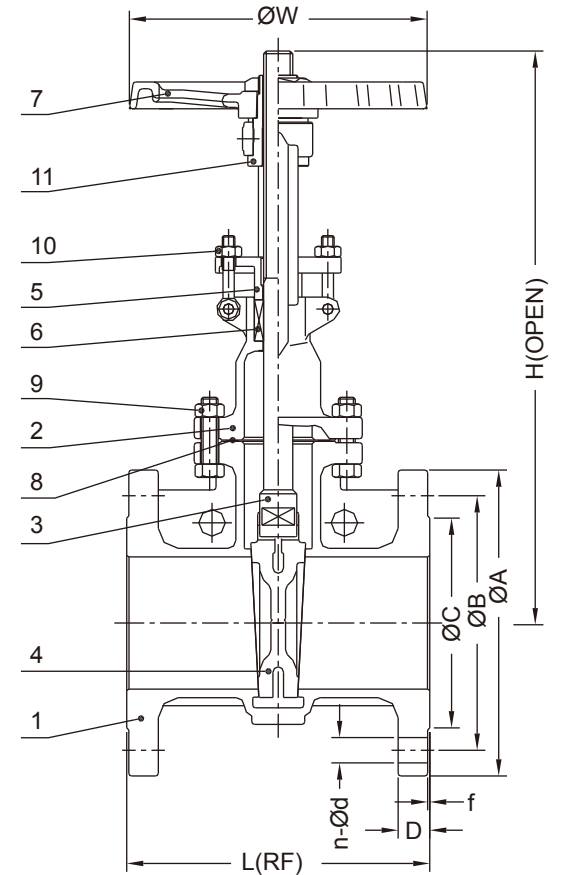
We reserve the right to modify the design / specification without previous notice for better quality.

物料表 MATERIAL COMPOSITION

型號 Fig. No. : G6



ITEM	PART NAME	MATERIAL	
1	Body	A351-CF8/1.4308	A351-CF8M/1.4408
2	Bonnet	A351-CF8/1.4308	A351-CF8M/1.4408
3	Stem	AISI-304/1.4301	AISI-316/1.4401
4	Disc	A351-CF8/1.4308	A351-CF8M/1.4408
5	Gland	A351-CF8/1.4308	A351-CF8M/1.4408
6	Gland Packing	PTFE/Graphite	PTFE/Graphite
7	Handwheel	Ductile Iron	Ductile Iron
8	Gasket	PTFE/Graphite	PTFE/Graphite
9	Bonnet Bolt/Nut	AISI-304/1.4301	AISI-304/1.4301
10	Gland Bolt/Nut	AISI-304/1.4301	AISI-304/1.4301
11	Yoke Sleeve	Bronze/Ductile Iron	Bronze/Ductile Iron



尺寸圖 DIMENSION LIST

G6 (Class 150)

Unit: mm

SIZE	IN mm	1/2 15	3/4 20	1 25	1 1/4 32	1 1/2 40	2 50	2 1/2 65	3 80	4 100	5 125	6 150	8 200	10 250	12 300	14 350	16 400
L(RF)		108	117	127	140	165	178	190	203	229	254	267	292	330	356	381	406
L1(BW)		108	117	127	140	165	216	241	283	305	381	403	419	457	502	572	610
H		195	200	231	293	293	321	397	447	534	636	703	903	1119	1311	1480	1855
ØW		100	100	120	140	140	160	180	200	225	250	270	355	400	450	550	550
ØA		89	98	108	117	127	152	178	190	229	254	279	343	406	483	533	597
ØB		60.5	70	79.5	89	98.5	120.5	139.5	152.5	190.5	216	241.5	298.5	362	432	476.5	540
ØC		35	43	51	64	73	92	105	127	157	186	216	270	324	381	413	470
D		11.2	11.2	11.2	12.7	14.3	15.9	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8	35	36.6
f		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
n-Ød		4-16	4-16	4-16	4-16	4-16	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25	12-29	16-29
WEIGHT(KG)		3	3.5	4.5	6.5	8.3	10.2	17.2	20	30	41	58.5	85.4	129	205	285	355

G6 (PN16)

Unit: mm

SIZE	IN mm	1/2 15	3/4 20	1 25	1 1/4 40	2 50	2 1/2 65	3 80	4 100	5 125	6 150	8 200	10 250	12 300
L(RF)	F4 F5	115	120	125	140	150	170	180	190	200	210	230	250	270
H		195	200	231	293	321	397	447	534	636	703	903	1119	1311
ØW		100	100	120	140	160	180	200	225	250	270	355	400	450
ØA		95	105	115	150	165	185	200	220	250	285	340	405	460
ØB		65	75	85	110	125	145	160	180	210	240	295	355	410
ØC		45	58	68	88	102	122	138	158	188	212	268	320	378
D		14	16	16	16	18	18	20	20	22	22	24	26	28
f		2	2	2	3	3	3	3	3	3	3	3	3	4
n-Ød		4-14	4-14	4-14	4-18	4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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球型閥
Globe Valve

MODEL

O5 / O5-Forge / O6 / O8

產品介紹

Product Introduction



應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、石油與天然氣工業、發電廠、造船工業、高壓流體、蒸氣及高溫流體、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas Industry, Power Plant, Ship-Building Industry, High Pressure Fluid, Steam & High Temperature Fluid, General Fluid.

技術資料 TECHNICAL DATA

設計 Design	B16.34, API 603, API 600, API 602
尺寸 Size	1/2" ~ 12"
壓力等級 Pressure Rating	600 WOG, Class 150 ~ Class 2500, JIS 10K, PN16
端口 End Connections	牙口端 Threaded End: O5, O8 套焊端 Socket Weld End: O5, O8 法蘭端 Flanged End: O6
產品檢測 Testing	API 598
流量 Bore	全流量 Full Bore

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 明確的方向指示。
- 根據 ISO 9001 認證的質量體系製造。
- 多種球座材質可供選擇。

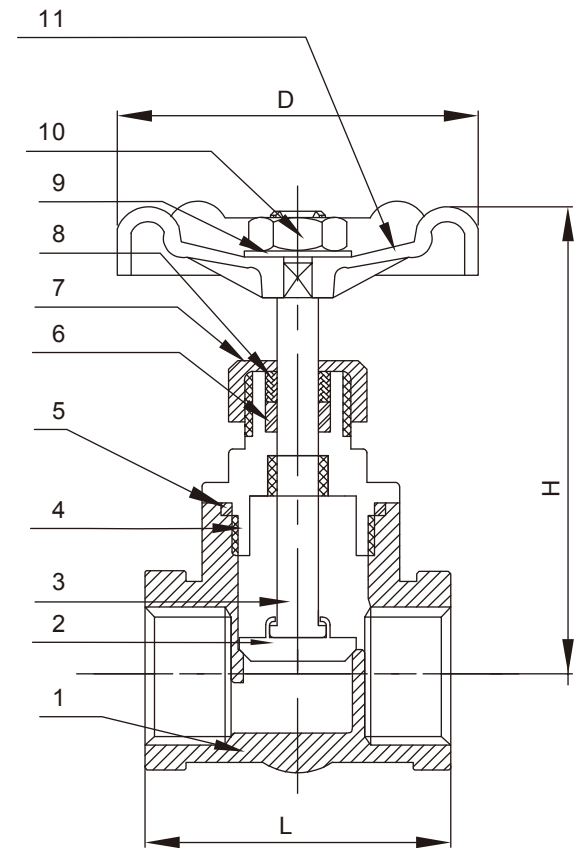
除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：

- Metal Seat
- Stellite 6 Body Seat
- Stellite 6 Body + Disc Sealing

- Superior valve design at a competitive price.
- Positive Direction indication.
- Manufactured under ISO 9001 certified quality system.
- Various seat material are available.
In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance,
suitable for many applications.
- Metal Seat
- Stellite 6 Body Seat
- Stellite 6 Body + Disc Sealing

物料表 MATERIAL COMPOSITION

型號 Fig. No. : O5



ITEM	PART NAME	Q'TY	MATERIAL
1	Body	1	316;CF8M
2	Disc	1	316;CF8M
3	Stem	1	316;CF8M
4	Cap	1	316;CF8M
5	Gasket	1	Teflon
6	Packing	1	Teflon
7	Cap Nut	1	304;316
8	Gland Washer	1	304;316
9	Spin Washer	1	Aluminum
10	Nut	1	304
11	Handle	1	Aluminum

尺寸圖 DIMENSION LIST

O5 (600psi)

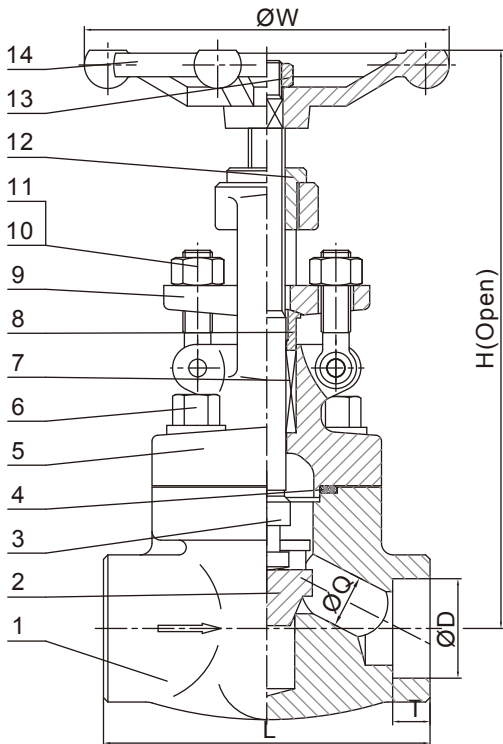
VALVE SIZE	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
L m/m	62.5	62.5	62.5	69.5	76.5	86.0	99.5	109.0
H m/m	98.0	98.0	98.0	98.5	102.5	110.5	115.0	122.0
D m/m	61.0	61.0	61.0	61.0	77.0	77.0	83.0	95.0
WEIGHT(KG)	0.44	0.41	0.39	0.44	0.60	0.79	1.19	1.60
CV	<1	1.0	2.0	5.0	10.0	15.0	22.0	42.0

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

物料表 MATERIAL COMPOSITION

型號 Fig. No. : O5-Forge



ITEM	PART NAME	MATERIAL
1	Body+Seat*	A105+13Cr
2	Disc	A276 420
3	Stem	A182 F6a
4	Gasket	304SS+Graphite
5	Bonnet	A105
6	Bolt	A193 B7
7	Packing	Graphite
8	Gland	A276 420
9	Gland Flange	A105
10	Gland Eyebolt	A193 B7
11	Nut	A194 2H
12	Stem Nut	A276 410
13	Locking Nut	A29 1035
14	Handwheel	A197

尺寸圖 DIMENSION LIST

O5-Forge (Class 800)

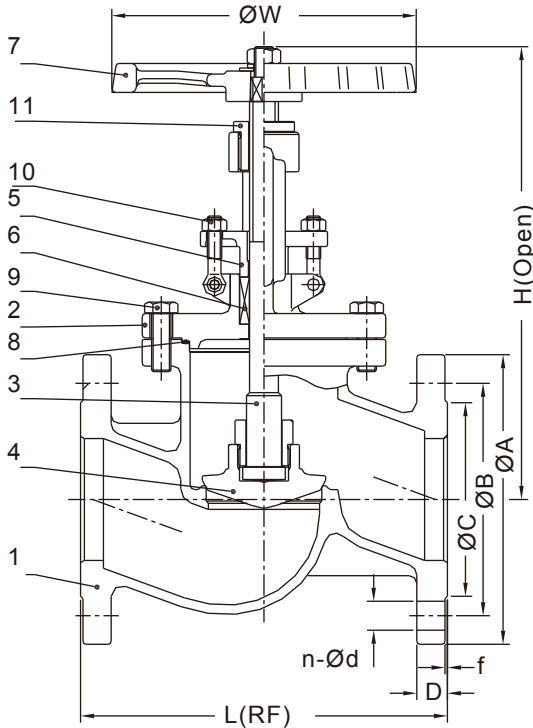
SIZE	CLASS	DIMENSION(mm)				
		L	NPT	ØQ	ØW	H
1/2"	800	79	1/2"	10	100	159
3/4"	800	92	3/4"	13	100	162
1"	800	111	1"	17	125	189
1-1/4"	800	120	1-1/4"	23	152	224
1-1/2"	800	152	1-1/2"	27	152	238
2"	800	172	2"	33	175	279

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : O6



ITEM	PART NAME	MATERIAL	
1	Body	A351-CF8/1.4308	A351-CF8M/1.4408
2	Bonnet	A351-CF8/1.4308	A351-CF8M/1.4408
3	Stem	AISI-304/1.4301	AISI-316/1.4401
4	Disc	A351-CF8/1.4308	A351-CF8M/1.4408
5	Gland	A351-CF8/1.4308	A351-CF8M/1.4408
6	Gland Packing	PTFE / Graphite	PTFE / Graphite
7	Handwheel	Ductile Iron	Ductile Iron
8	Gasket	PTFE / Graphite	PTFE / Graphite
9	Bonnet Bolt/Nut	AISI-304/1.4301	AISI-304/1.4301
10	Gland Bolt/Nut	AISI-304/1.4301	AISI-304/1.4301
11	Yoke Sleeve	Bronze / Ductile Iron	Bronze / Ductile Iron

尺寸圖 DIMENSION LIST

O6 (Class 150)

Unit: mm

SIZE	IN mm	1/2" 15	3/4" 20	1" 25	1½" 40	2" 50	2½" 65	3" 80	4" 100	5" 125	6" 150	8" 200	10" 250	12" 300
L(RF)&L1(BW)		108	117	127	165	203	216	241	292	356	406	495	622	698
H		180	185	198	245	266	311	334	377	410	528	550	670	736
ØW		100	100	120	140	160	180	200	225	250	355	400	450	550
ØA		89	98	108	127	152	178	190	229	254	279	343	406	483
ØB		60.5	70	79.5	98.5	120.5	139.5	152.5	190.5	216	241.5	298.5	362	432
ØC		35	43	51	73	92	105	127	157	186	216	270	324	381
D		11.2	11.2	11.2	14.3	15.9	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8
f		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
n-Ød		4-16	4-16	4-16	4-16	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25
WEIGHT(KG)		2.7	3.1	3.8	7.5	11.1	15.7	20.4	32	45	62.8	100	173	205

O6 (PN16)

Unit: mm

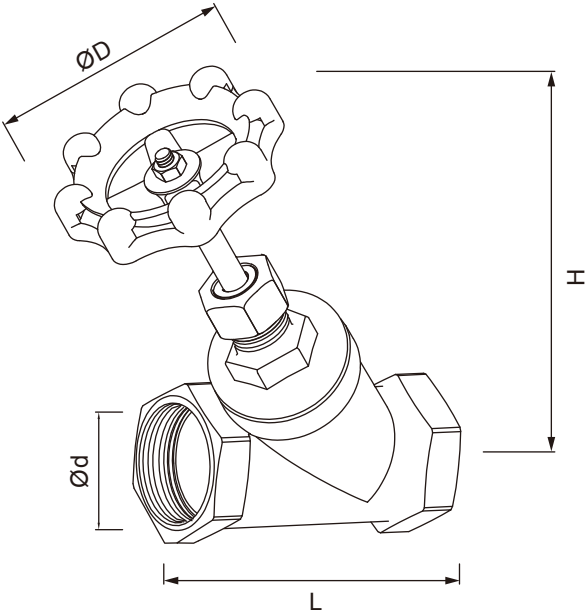
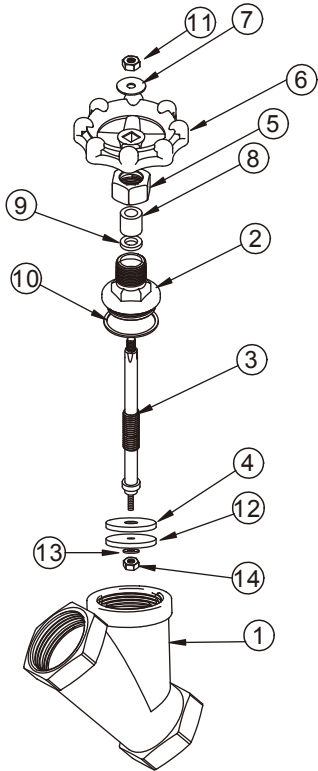
SIZE	IN mm	1/2" 15	3/4" 20	1" 25	1½" 40	2" 50	2½" 65	3" 80	4" 100	5" 125	6" 150	8" 200	10" 250	12" 300
L(RF)		130	150	160	200	230	290	310	350	400	480	500	600	700
H		180	185	198	245	266	311	334	377	410	528	550	670	736
ØW		100	100	120	140	160	180	200	225	250	355	400	450	550
ØA		95	105	115	150	165	185	200	220	250	285	340	405	460
ØB		65	75	85	110	125	145	160	180	210	240	295	355	410
ØC		45	58	68	88	102	122	138	158	188	212	268	320	378
D		14	16	16	16	18	18	20	20	22	22	24	26	28
f		2	2	2	3	3	3	3	3	3	3	3	3	4
n-Ød		4-14	4-14	4-14	4-18	4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : O8



尺寸圖 DIMENSION LIST

O8 (600psi)								
(±1mm)								
DIMENSION	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
L m/m	56.5	56.5	60.0	69.0	84.5	98.5	109.5	135.5
H m/m	79.0	79.0	95.5	99.0	111.0	122.0	128.0	148.0
Ø d m/m	11.0	14.0	18.0	23.0	29.0	37.0	43.5	55.0
Ø D m/m	61.0	61.0	61.0	61.0	77.0	83.0	83.0	95.0
WEIGHT(KG)	0.25	0.22	0.36	0.46	0.69	0.98	1.23	2.00

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MODEL

K5 / K5-Forge / K6 / K7-Dual Plate
K7-Single Plate / K8 / K9

產品介紹

Product Introduction

應用 APPLICATIONS

礦業與礦物加工業、水與汙水處理、化工廠、汽車工業、造船工業、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Automotive Industry, Ship-Building Industry, General Fluid.

技術資料 TECHNICAL DATA

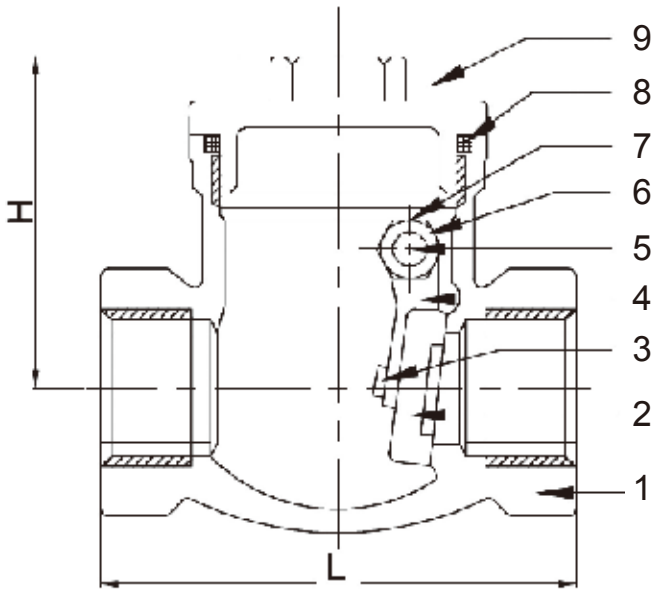
設計 Design	B16.34, API 602, API 594, DN12516-1
尺寸 Size	1/2" ~ 24"
壓力等級 Pressure Rating	600 WOG, ASME Class 150 ~ 2500, PN40
端口 End Connections	牙口 Threaded: K5, K8 套焊 Socket Weld: K5 對夾 Wafer: K7雙瓣式 Dual Plated, K7單瓣式 Single Plated , K9 凸耳 Lug: K7雙瓣式 Dual Plated 法蘭 Flanged: K6
產品檢測 Testing	API 598, EN12266-1

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
 - K7雙瓣式逆止閥有一般式及內裝式可供選擇。
 - 明確的方向指示。
 - 根據 ISO 9001 認證的質量體系製造。
 - 多種球座材質可供選擇。
- 除了標準的球座材質，球座有以下材質可供選擇。
每個球座選項將滿足廣泛的性能，適用於許多應用：
- Metal Seat
 - Stellite 6 Body Seat (K5, K6, K7)
 - Stellite 6 Body + Disc Sealing (K5, K6, K7)
 - Buna-N (K7)
 - EPDM (K7)
 - Viton (K7)
- Superior valve design at a competitive price.
 - Both conventional and retainerless style available for K7 dual plated check valve.
 - Positive direction indication.
 - Manufactured under ISO 9001 certified quality system.
 - Various seat material are available.
- In addition to standard seat material, following variety is available.
Each material option will meet a wide range of performance, suitable for many applications.
- Metal Seat
 - Stellite 6 Body Seat (K5, K6, K7)
 - Stellite 6 Body + Disc Sealing (K5, K6, K7)
 - Buna-N (K7)
 - EPDM (K7)
 - Viton (K7)

物料表 MATERIAL COMPOSITION

型號 Fig. No. : K5



ITEM	PART NAME	Q'TY	MATERIAL
1	Body	1	316;CF8M
2	Disc	1	316;CF8M
3	Disc nut	1	316;CF8M
4	Connecting Rod	1	316;CF8M
5	Pin	1	316
6	Bolt	1	316
7	Bolt Washer	1	Teflon
8	Gasket	1	Teflon
9	Cap	1	316;CF8M

尺寸圖 DIMENSION LIST

K5 (600psi)

VALVE SIZE	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
L m/m	60.0	60.0	60.0	78.0	83.0	94.5	105.0	123.5	152.5	174.5
H m/m	42.5	42.5	42.5	48.5	55.0	59.0	64.0	72.0	92.5	105.0
WEIGHT(KG)	0.26	0.25	0.25	0.39	0.49	0.79	1.05	1.57	3.04	4.89
CV	2	4	12	27	53	82	111	223	332	465

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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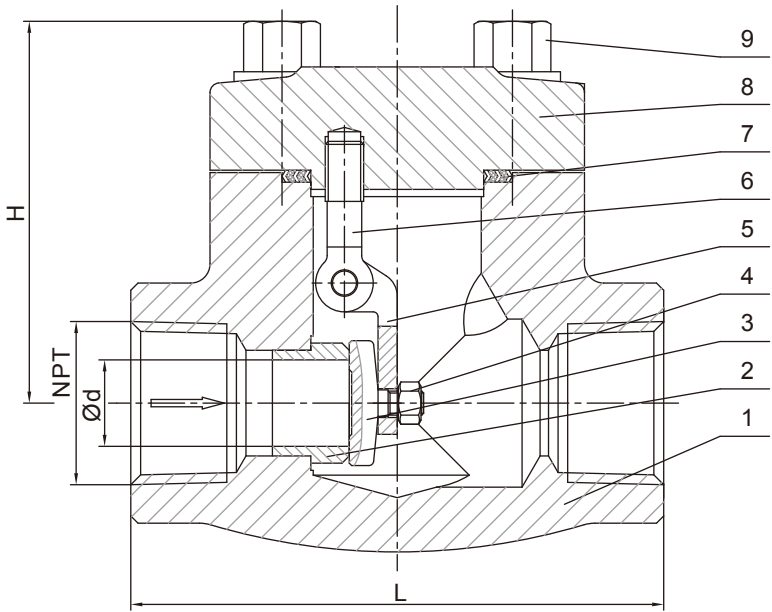


MODEL
K5 / K5-Forge / K6 / K7-Dual Plate
K7-Single Plate / K8 / K9

產品介紹
Product Introduction

物料表 MATERIAL COMPOSITION

型號 Fig. No. : K5-Forge



ITEM	PART NAME	MATERIAL
1	Body	A105
2	Seat	A276 420
3	Disc	A276 420
4	Nut	S.S
5	Hinge	A351 CF8
6	Yoke	S.S
7	Gasket	304SS+Graphite
8	Bonnet	A105
9	Bolt	A193 B7

尺寸圖 DIMENSION LIST

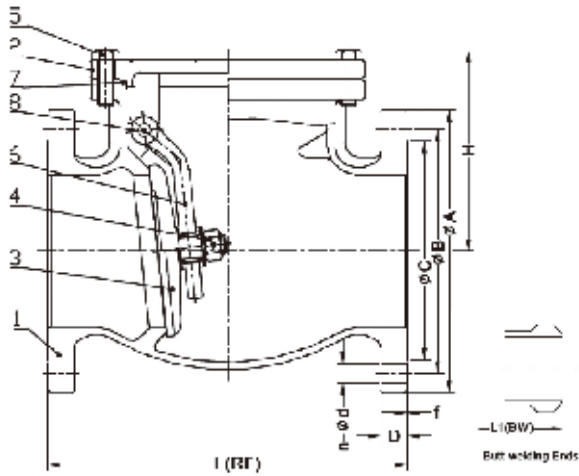
K5-Forge (Class 800)

SIZE	CLASS	DIMENSION(mm)			
		L	NPT	Ød	H
1/2"	800	79	1/2"	9.5	54
3/4"	800	92	3/4"	13	57
1"	800	111	1"	17.5	65
1-1/4"	800	120	1-1/4"	23	82
1-1/2"	800	120	1-1/2"	29	85
2"	800	140	2"	37	107

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : K6



ITEM	PART NAME	MATERIAL	
1	Body	A351-CF8/1.4308	A351-CF8M/1.4408
2	Cover	A351-CF8/1.4308	A351-CF8M/1.4408
3	Disc	A351-CF8/1.4308	A351-CF8M/1.4408
4	Disc Nut	ANSI-304/1.4301	ANSI-316/1.4401
5	Cover Bolt/Nut	ANSI-304/1.4301	ANSI-304/1.4301
6	ARM	A351-CF8/1.4308	A351-CF8M/1.4408
7	Gasket	PTFE / Graphite	PTFE / Graphite
8	Pin	ANSI-304/1.4301	ANSI-316/1.4401

尺寸圖 DIMENSION LIST

K6 (Class 150)

SIZE	IN	1/2	3/4	1	1½	2	2½	3	4	5	6	8	10	12	16
	mm	15	20	25	40	50	65	80	100	125	150	200	250	300	400
L(RF)&1(BW)		108	117	127	165	203	216	241	292	330	356	495	622	698	864
H		55	58	63	76	97	103	128	151	169	198	246	315	376	410
ØA		89	98	108	127	152	178	190	2298	254	278	343	406	483	597
ØB		60.5	70	79.5	98.5	120.5	139.5	152.5	190.5	216	241.5	298.5	362	432	540
ØC		35	43	51	73	92	105	127	157	186	216	270	324	381	470
D		11.2	11.2	11.2	14.3	15.9	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8	36.6
f		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
n-Ød		4-16	4-16	4-16	4-16	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25	16-29
WEIGHT(KG)		1.6	2.1	2.7	5.2	7.7	12.3	16.1	26.6	33.2	46.2	82.4	138	205	361

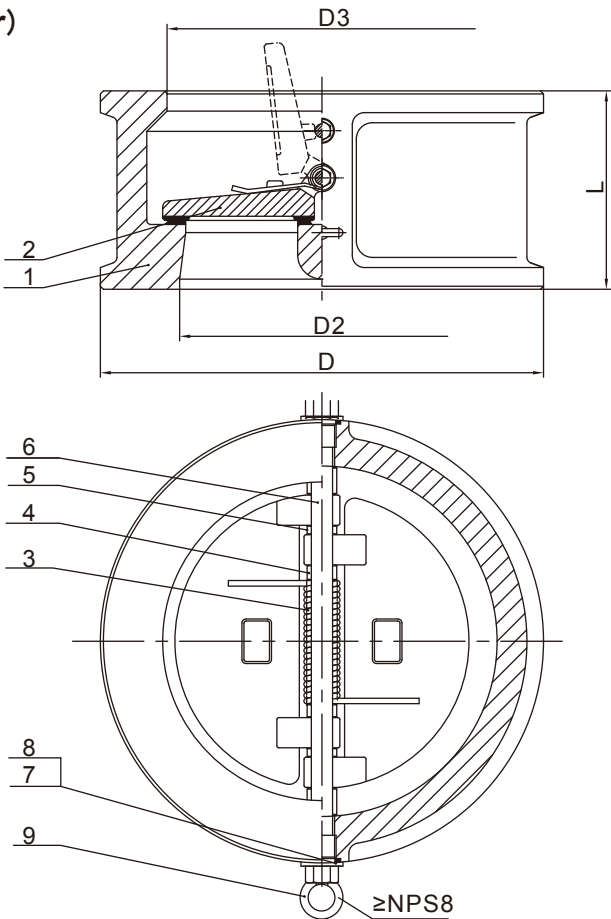
K6 (PN16)

SIZE	IN	1/2	3/4	1	1½	2	2½	3	4	5	6
	mm	15	20	25	40	50	65	80	100	125	150
L(RF)		115	120	125	200	230	290	310	350	400	480
H		55	58	63	76	97	103	128	151	169	198
ØA		95	105	115	150	165	185	200	220	250	285
ØB		65	75	85	110	125	145	160	180	210	240
ØC		45	58	68	88	102	122	138	158	188	212
D		14	16	16	16	18	18	20	20	22	22
f		2	2	2	3	3	3	3	3	3	3
n-Ød		4-14	4-14	4-14	4-18	4-18	4-18	8-18	8-18	8-18	8-22

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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物料表 MATERIAL COMPOSITION

型號 Fig. No. : K7-雙瓣式 Dual Plated (對夾式 Wafer)



ITEM	PART NAME	MATERIAL	SPECIFICATION
1	Body	Cast Steel	ASTM A216 WCB-F6
2	Disc	Cast Steel	ASTM A351 CF8
3	Spring	Alloy Steel	Inconel X750
4	Spring Plate	Stainless Steel	ASTM A182 F6
5	Spacer	Stainless Steel	ASTM A182 F6
6	Hinge Pin	Stainless Steel	ASTM A182 F6
7	Gasket	Stainless Steel	ASTM A182 F6
8	Plug	Stainless Steel	ASTM A182 F6
9	Flying Rings	Carbon Steel	

尺寸圖 DIMENSION LIST

K7-Dual Plated, Wafer Type (Class 150)

VALVE SIZE	L	D	D2	D3	WEIGHT (KG)
2"	60	103	51	58	2
2-1/2"	67	122	65	73	3
3"	73	135	80	88	4
4"	73	173	102	108	6
5"	86	195	127	132	8
6"	98	220	152	160	13
8"	127	277	203	210	25
10"	146	337	254	266	39
12"	181	407	305	310	58
14"	184	448	350	355	85
16"	191	512	400	405	114
18"	203	547	450	455	138
20"	219	604	500	505	163
24"	222	715	600	605	285

K7-Dual Plated, Wafer Type (Class 300)

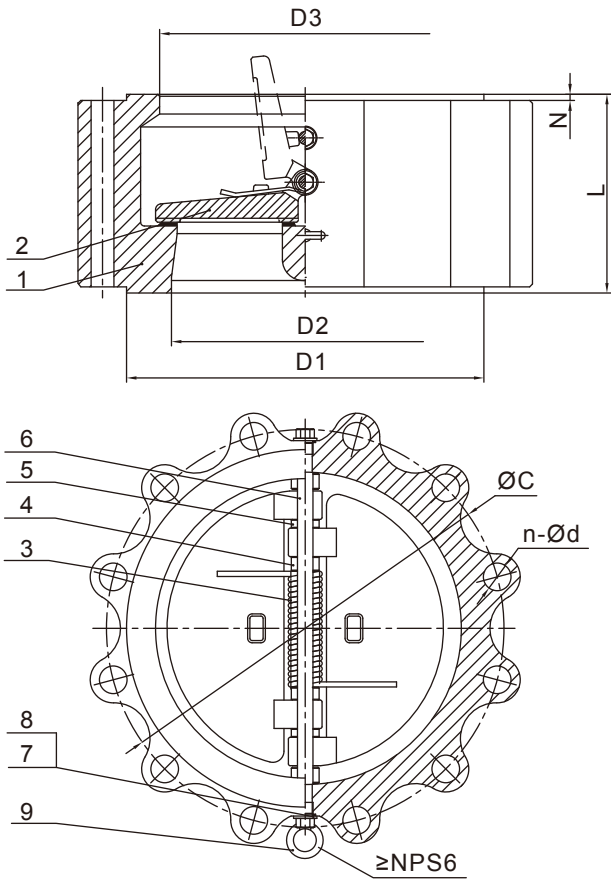
VALVE SIZE	L	D	D2	D3	WEIGHT (KG)
2"	60	110	51	58	3
2-1/2"	67	128	65	73	4
3"	73	147	80	88	6
4"	73	179	102	108	8
5"	86	214	127	132	15
6"	98	249	152	160	18
8"	127	305	203	210	31
10"	146	359	254	266	51
12"	181	420	305	310	83
14"	222	483	350	355	117
16"	232	537	400	405	190
18"	264	594	450	455	200
20"	292	652	500	505	265
24"	318	772	600	608	410

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

We reserve the right to modify the design / specification without previous notice for better quality.

物料表 MATERIAL COMPOSITION

型號 Fig. No. : K7-雙瓣式 Dual Plated (凸耳式 Lug)



ITEM	PART NAME	MATERIAL	SPECIFICATION
1	Body	Cast Steel	ASTM A216
2	Disc	Cast Steel	WCB-F6
3	Spring	Alloy Steel	ASTM A351 CF8
4	Spring Plate	Stainless Steel	Inconel X750
5	Spacer	Stainless Steel	ASTM A182 F6
6	Hinge Pin	Stainless Steel	ASTM A182 F6
7	Gasket	Stainless Steel	ASTM A182 F6
8	Plug	Stainless Steel	ASTM A182 F6
9	Flying Rings	Carbon Steel	

尺寸圖 DIMENSION LIST

K7-Dual Plated, Lug Type (Class 150)

VALVE SIZE	L	ØC	D1	D2	D3	N	n-Ø d	WEIGHT (KG)
2"	60	120.5	92	51	58	2	4-Ø 19	4
2-1/2"	67	139.5	105	65	73	2	4-Ø 19	5.5
3"	73	152.5	127	80	88	2	4-Ø 19	7
4"	73	190.5	157	102	108	2	8-Ø 19	11
5"	86	216	186	127	132	2	8-Ø 22.5	15
6"	98	241.5	216	152	160	2	8-Ø 22.5	19
8"	127	298.5	270	203	210	2	8-Ø 22.5	36
10"	146	362	324	254	266	2	12-Ø 25.5	61
12"	181	432	381	305	310	2	12-Ø 25.5	119
14"	184	476	413	350	355	2	16-Ø 28.5	131
16"	191	540	470	400	405	2	16-Ø 28.5	180
18"	203	578	533	450	455	2	16-Ø 32	203
20"	219	635	584	500	505	2	20-Ø 32	275
24"	222	749.5	692	600	605	2	20-Ø 35	314

K7-Dual Plated, Lug Type (Class 300)

VALVE SIZE	L	ØC	D1	D2	D3	N	n-Ø d	WEIGHT (KG)
2"	60	127	92	51	58	2	8-Ø 19	6
2-1/2"	67	149	105	65	73	2	8-Ø 22.5	7
3"	73	168.5	127	80	88	2	8-Ø 22.5	10
4"	73	200	157	102	108	2	8-Ø 22.5	16
5"	86	235	186	127	132	2	8-Ø 22.5	29
6"	98	270	216	152	160	2	12-Ø 22.5	32
8"	127	330	270	203	210	2	12-Ø 25.5	55
10"	146	387.5	324	254	266	2	16-Ø 28.5	82
12"	181	451	381	305	310	2	16-Ø 32	92
14"	222	514.5	413	350	355	2	20-Ø 32	251
16"	232	571.5	470	400	405	2	20-Ø 35	342
18"	264	628.5	533	450	455	2	24-Ø 35	391
20"	292	686	584	500	505	2	24-Ø 35	536
24"	318	813	692	600	605	2	24-Ø 41	833

* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。

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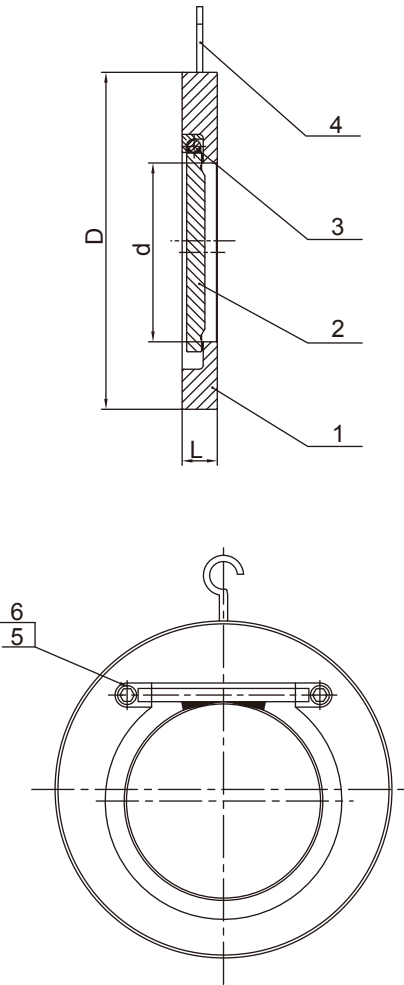


MODEL
K5 / K5-Forge / K6 / K7-Dual Plate
K7-Single Plate / K8 / K9

產品介紹
Product Introduction

物料表 MATERIAL COMPOSITION

型號 Fig. No. : K7-單瓣式 Single Plated



ITEM	PART NAME	SPECIFICATION
1	Body	ASTM A105+13Cr
2	Disc	ASTM A105+13Cr
3	Hinge Pin	ASTM A276 410
4	Flying Rings	ASTM A29 1025+Zn
5	Location	ASTM A276 410
6	Bolt	CS

尺寸圖 DIMENSION LIST

K7-Single Plated (Class 150)

VALVE SIZE	d	L	D	WEIGHT (KG)
1"	14	19	66	0.5
1-1/2"	22	19	84	0.7
2"	30	19	104	1.2
2-1/2"	40	19	123	1.6
3"	52	19	136	2
4"	71	19	174	3.4
5"	93	19	196	4.3
6"	114	19	221	5.3
8"	157	29	278	12
10"	195	29	338	17
12"	230	38	408	33
14"	270	44	449	44
16"	310	51	513	66
18"	360	60	548	86
20"	406	64	605	110
24"	490	70	716	165

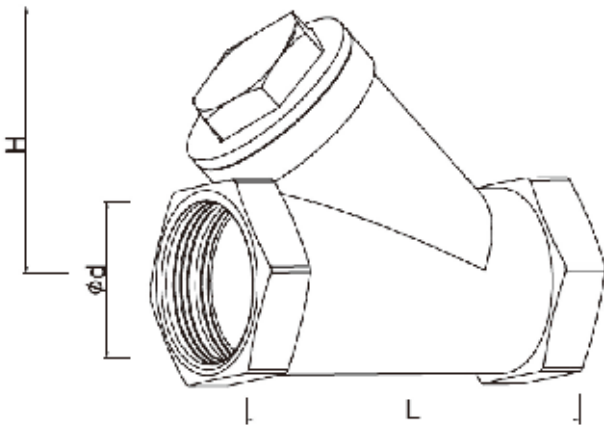
K7-Single Plated (Class 300)

VALVE SIZE	d	L	D	WEIGHT (KG)
1"	14	19	73	0.6
1-1/2"	22	19	94	0.8
2"	30	19	111	1.3
2-1/2"	40	19	129	1.8
3"	52	19	148	2.3
4"	71	19	180	3.4
5"	93	19	215	4.8
6"	114	22	250	7.5
8"	157	29	306	14
10"	195	38	360	25
12"	230	51	421	52
14"	270	51	484	62
16"	310	51	538	75
18"	360	76	595	130
20"	406	83	653	170
24"	490	90	772	255

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : K8



ITEM	PART NAME	Q'TY	MATERIAL
1	Body	1	316;CF8M
2	Nut	1	304;316
3	Disc Washer	1	304;316
4	Disc	1	Teflon,Viton
5	Disc Bonnet	1	316;CF8M
6	Spring	1	304;316
7	Gasket	1	Teflon
8	Cap	1	316;CF8M

尺寸圖 DIMENSION LIST

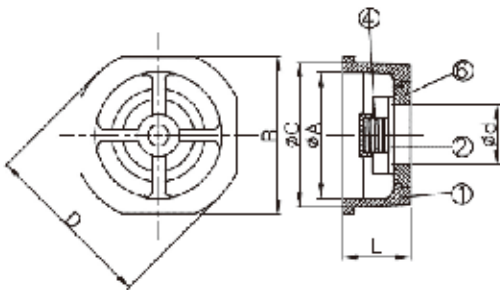
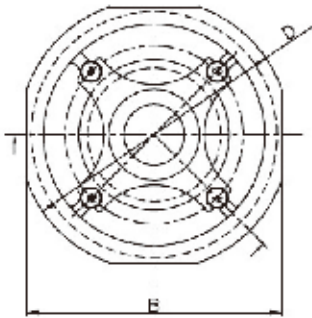
K8 (600psi)

VALVE SIZE	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
L m/m	56.5	56.5	60.0	69.0	84.5	98.5	109.5	135.5	170.0	195.0
H m/m	35.0	35.0	38.5	43.5	51.5	60.5	70.0	86.0	110.0	130.0
ød m/m	11.0	14.0	18.0	23.0	29.0	37.0	43.5	55.0	67.5	83.0
WEIGHT(KG)	0.17	0.14	0.22	0.34	0.53	0.82	1.12	1.91	3.60	5.00

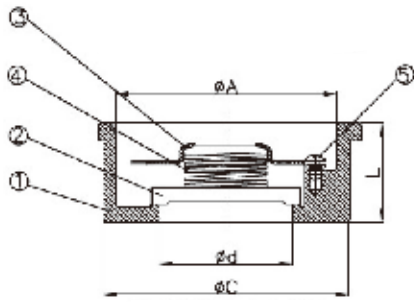
* 我方有權隨時變更材質/設計/規格，以便提供品質優良的產品。
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物料表 MATERIAL COMPOSITION

型號 Fig. No. : K9



尺寸 DN15 ~ DN50



尺寸 DN65 ~ DN100

ITEM	PART NAME	MATERIAL
1	Body	1.4408
2	Disc	ANSI 316
3	Cap	ANSI 316
4	Spring	ANSI 316
5	Screw	ANSI 316
6	Insert	ANSI 316

尺寸圖 DIMENSION LIST

K9 (PN40)							
DN	inch	Ød	ØA	B	ØC	D	L
15	1/2"	15	34	45	41	53	16
20	3/4"	20	37	55	46	63	19
25	1"	25	46	65	56	73	22
32	1-1/4"	32	63	79	74	84	28
40	1-1/2"	38	76	89	86	94	31.5
50	2"	50	83	99	96	107	40
65	2-1/2"	62	103	118	115	126	46
80	3"	76.5	117	134	131	144	50
100	4"	96	132	154	150	164	60

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Y型過濾器
Y-Strainer

MODEL

Y5 / Y6

產品介紹

Product Introduction

應用 APPLICATIONS

礦業與礦物加工業、紙漿和造紙、水與汙水處理、化工廠、石油與天然氣工業、發電廠、造船工業、高壓流體、蒸氣及高溫流體、一般流體。
Mining & Mineral Processing, Water & Waste Water, Chemical Plant, Oil & Gas Industry, Power Plant, Ship-Building Industry, High Pressure Fluid, Steam & High Temperature Fluid, General Fluid.

技術資料 TECHNICAL DATA

設計 Design	B16.34
尺寸 Size	1/2" ~ 12"
壓力等級 Pressure Rating	600 WOG: Y5 Class 150, JIS 10K, PN16: Y6
端口 End Connections	牙口端 Threaded End: Y5 法蘭端 Flanged End: Y6
產品檢測 Testing	API 598
流量 Bore	全流量 Full Bore

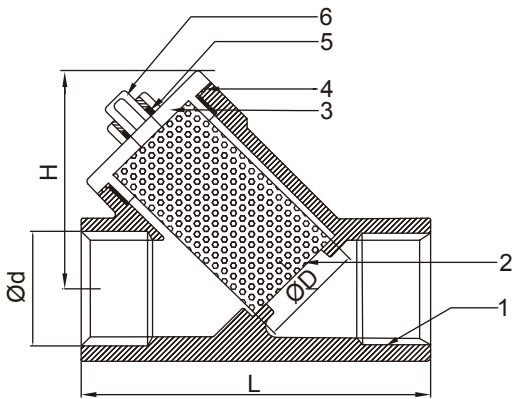
特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 根據 ISO 9001 認證的質量體系製造。
- 多種過濾網目可供選擇。
- Superior valve design at a competitive price.
- Manufactured under ISO 9001 certified quality system.
- Various mesh are available on request.

物料表 MATERIAL COMPOSITION

型號 Fig. No. : Y5

ITEM	PART NAME	Q'TY	MATERIAL
1	Body	1	316;CF8M
2	Screen	1	304;316
3	Cap	1	316;CF8M
4	Gasket	1	Teflon
5	Packing	1	Teflon
6	Plug	1	316;CF8M



尺寸圖 DIMENSION LIST

Y5 (600psi)

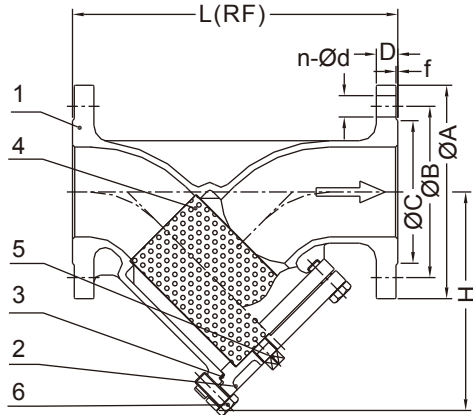
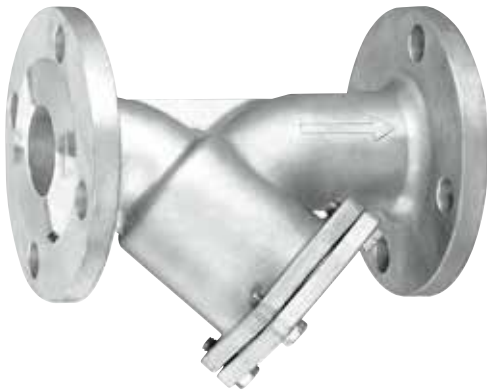
VALVE SIZE	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
L m/m	56.5	56.5	60.0	69.5	84.5	98.5	109.5	135.5	168.5	195.0
H m/m	35.0	35.0	38.5	43.5	52.0	61.0	69.0	87.0	116.0	132.0
ØD m/m	15.5	15.5	19	22.5	28.0	34.5	40.0	52.0	72.0	84.0
Ød m/m	15.5	15.5	18.0	23.0	29.0	37.0	43.5	55.0	67.5	83.0
WEIGHT(KG)	0.15	0.13	0.20	0.29	0.48	0.68	0.92	1.63	3.45	5.42

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物料表 MATERIAL COMPOSITION

型號 Fig. No. : Y6



ITEM	PART NAME	MATERIAL	
1	Body	A351-CF8/1.4308	A351-CF8M/1.4408
2	Bonnet	A351-CF8/1.4308	A351-CF8M/1.4408
3	Gasket	PTFE/Graphite	PTFE/Graphite
4	Screen	AISI-304/1.4301	AISI-304/1.4301
5	Plug (For size of 2-1/2" ~ 12")	AISI-304/1.4301	AISI-316/1.4401
6	Bonnet Bolt/Nut	AISI-304/1.4301	AISI-304/1.4301

尺寸圖 DIMENSION LIST

Y6 (Class 150)

Unit: mm

SIZE	IN	1/2"	3/4"	1"	1½"	2"	2½"	3"	4"	5"	6"	8"	10"	12"
	mm	15	20	25	40	50	65	80	100	125	150	200	250	300
L(RF)&L1(BW)		120	130	150	190	220	270	290	350	390	440	500	700	780
H		70	70	81	104	117	143	195	221	265	291	368	475	600
ØA		89	98	108	127	152	178	190	229	254	279	343	406	483
ØB		60.5	70	79.5	98.5	120.5	139.5	152.5	190.5	216	241.5	298.5	362	432
ØC		35	43	51	73	92	105	127	157	186	216	270	324	381
D		11.2	11.2	11.2	14.3	15.9	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8
f		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
n-Ød		4-16	4-16	4-16	4-16	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25
WEIGHT(KG)		1.5	1.9	2.5	4.9	7.3	10.7	15.4	25	34.5	44	88	123	173.3

Y6 (PN16)

Unit: mm

SIZE	IN	1/2"	3/4"	1"	1½"	2"	2½"	3"	4"	5"	6"	8"
	mm	15	20	25	40	50	65	80	100	125	150	200
L(RF)		130	150	160	200	230	290	310	350	400	480	500
H		70	70	81	104	117	143	195	221	265	291	368
ØA		95	105	115	150	165	185	200	220	250	285	340
ØB		65	75	85	110	125	145	160	180	210	240	295
ØC		45	58	68	88	102	122	138	158	188	212	268
D		14	16	16	16	18	18	20	20	22	22	24
f		2	2	2	3	3	3	3	3	3	3	3
n-Ød		4-14	4-14	4-14	4-18	4-18	4-18	8-18	8-18	8-18	8-22	12-22

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技術資料 TECHNICAL DATA

一原金屬於2012年成立脫蠟精密鑄造廠；專業生產各式閥門製品、配件等各類鑄件。可依客戶實際材質需求承製。
EMICO sets up the investment casting foundry in 2012. Specializing in the production of various valve products, accessories and castings. Customized parts and special material can be offered case by case.

材質 Material	不鏽鋼、碳鋼、特殊合金鋼、蒙乃爾合金、雙相不鏽鋼...等 Stainless Steel, Carbon Steel, Special Alloy Steel, Monel, and Duplex Stainless Steel...etc.
最大工件尺寸 Max. Casting Size	630mm x 600mm
最重工件重量 Max. Casting Weight	120公斤 60kgs
月產量 Monthly Capacity	120噸 120tons



針閥
Needle Valve

MODEL

N5

產品介紹

Product Introduction



應用 APPLICATIONS

低壓液壓系統、化學流體、天然氣&液體管線、流量計量。
Low-pressure Hydraulic Systems, Chemical Processing, Gas & Liquid Services, Flow Metering Applications.

技術資料 TECHNICAL DATA

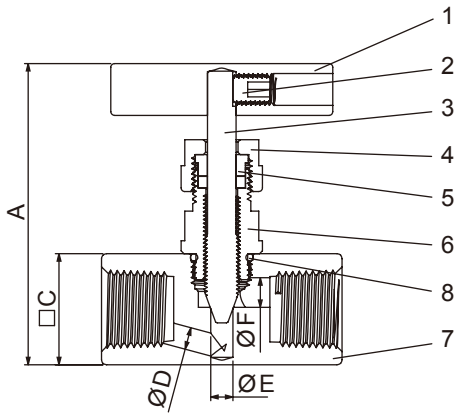
設計 Design	B16.34
尺寸 Size	1/8" ~ 2"
壓力等級 Pressure Rating	6000 WOG
端口 End Connections	牙口端 Threaded
產品檢測 Testing	API 598

特點 FEATURES

- 以具有競爭力的價格提供卓越的閥門設計。
- 精準地控制管路中流體的流量及壓力。
- 明確的方向指示。
- 根據 ISO 9001 認證的質量體系製造。
- Superior valve design at a competitive price.
- Accurately control the pressure and flow rate of a fluid flowing inside the pipeline.
- Positive Direction indication.
- Manufactured under ISO 9001 certified quality system.

物料表 MATERIAL COMPOSITION

ITEM	PART NAME	SPECIFICATION
1	Handle	SUS304
2	Screw	SUS304
3	Spindle	SUS316
4	Nut	SUS304
5	Packing	PTFE
6	Base	SUS304
7	Body	SUS316
8	Seal	1/8"~1" -> VITON ; 1-1/2"~2" -> PTFE



尺寸圖 DIMENSION LIST

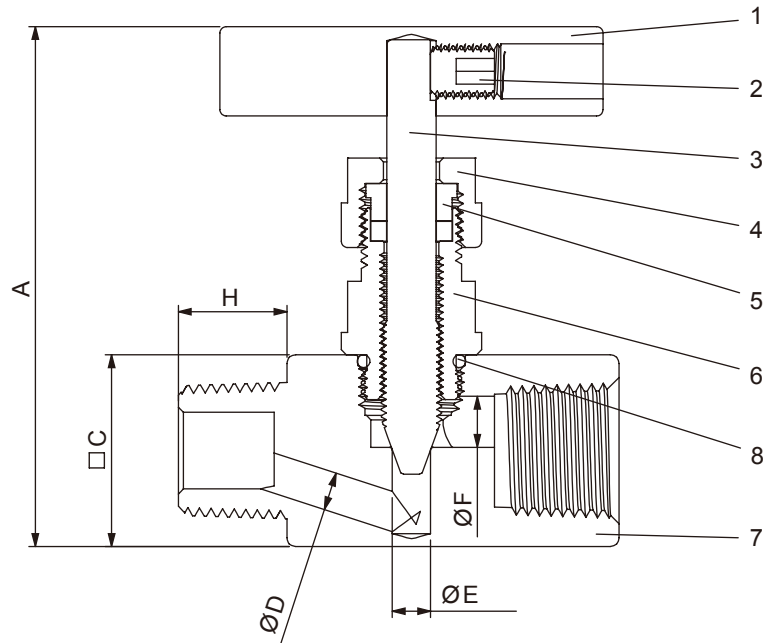
N5 (6000psi)

SIZE	A	B	□C	ØD	ØE	ØF
1/8"	77	45.50	22	5	6	5
1/4"	77	45.50	22	5	6	5
3/8"	78	59	25	5	6	6.3
1/2"	81	65	30	6	6	8
3/4"	113	70	35	8	8	10
1"	117	80	45	8	8	12
1-1/2"	154.5	100	60	10	10	12
2"	165.75	110	73	11	11	13.5

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物料表 MATERIAL COMPOSITION



ITEM	PART NAME	SPECIFICATION
1	Handle	SUS304
2	Screw	SUS304
3	Spindle	SUS316
4	Nut	SUS304
5	Packing	PTFE
6	Base	SUS304
7	Body	CF8M
8	O-ring	VITON

尺寸圖 DIMENSION LIST

N5 (6000psi)

SIZE	A	B	H	□C	ØD	ØE	ØF
1/4	77	54	14	22	5	6	5
3/8	78	60.5	15	25	5	6	6.3
1/2	81	69	17	30	6	6	8
3/4	113	76	18	35	8	8	10
1	117	83	21	45	8	8	12

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