

HI-TECH'S



台灣第一品牌

塑膠閥門

台灣第一品牌

THERMOPLASTIC VALVE

the related products-pipes, fittings

UPVC, PP, CPVC, PPG and PVDF



協羽塑膠閥門 SHIE YU THERMOPLASTIC VALVE



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THE HI-TECH'S, HI-QUALITY'S PRODUCTS RANG



總經理 蔡添壽 General manager TSAI TIEN-SHOU

經營理念

協羽成立於西元1973年，為台灣第一家從開發設計到製造塑膠閥門的公司。多年來一直致力於產品的研發創新，以最先進的製程技術，力求產品質量領先。建廠30餘年來，產品行銷海內外40餘國，廣泛應用於各種管路系統，品質深獲客戶的好評與肯定。

協羽人始終兢兢業業，秉持公司創廠五大信念——誠信、敬業、責任、禮貌、榮譽。立足業界30餘年，擁有堅實的經營層，專業負責的工作團隊，進而獲得廣大客戶的支持。在持續壯大事業體的同時，更致力於產品的創新設計及品質的提昇，先後獲得NSF(American National Sanitation Federation) 美國產品衛生認證，英國Lloyd's及BSI品質管理系統認證，確保提供全球客戶高品質可靠的產品。

基於提供更齊全的配套產品，服務及滿足客戶一次性採購的理念，在原有齊全的塑膠閥門產品下，我們不斷擴充相關產品群的尺寸及種類，先後開發各種材質的配件進行生產，並引進奧地利辛那提及德國先進的押出設備及技術，投入製造各種尺寸的管子產品，以滿足各個產業，各管路系統的需求。生產材質有UPVC, CPVC, PP, HD-PE, ABS, PVDF。成為全世界產品材質最多樣，尺寸最齊全，品質最可靠的塑膠閥門，配件及管子的專業製造商。

協羽人不斷自我期許，追求更精良產品，以客戶滿意為宗旨。同時，我們期盼您寶貴的意見，更隨時歡迎您的蒞臨指導，協羽團隊將持續研發創新，再接再厲，為業界打拼，進而獲得市場的肯定與禮讚。

蔡添壽



協羽集團總部 The Headquarters of SHIE YU Machine Company

協羽高雄廠一廠 Kaohsiung Plant I



Operation Philosophy

Since 1973, first thermoplastic valves manufacturer in Taiwan, SH has been specializing in the R&D, and production of valves and pipes. For the past 30 years, we've been in the lead in product quality with state-of-the-art technology and process. Our products, sold in more than 40 countries worldwide, are extensively used and applied in a wide variety of piping system, gaining a good reputation as a reliable supplier.

SH people, committed to the five beliefs all the time——HONESTY, RELIABILITY, RESPONSIBILITY, COURTESY AND HONOUR——working together as a responsible and reliable team, are led by a group of resilient and determined leaders, and dedicated to design, innovation, and quality increase with business growth. In order to ensure high quality products, we have been successfully certified by NSF(American National Sanitation Federation), Lloyd's and BSI quality assurance.

Based on the belief in providing more complete product line and one-stop-shopping service, we continued to expand our product line in a variety of sizes to meet customers' needs for a complete line of pipes by developing new materials, such as UPVC, CPVC, PP, HD-PE, ABS, and PVDF, and bringing in advanced extrusion equipment and techniques from Austria and Germany, respectively. We have become one of the leading manufacturers in the world with the most complete line of thermoplastic valves, fittings, and pipes and the widest variety of materials.

Self-encouraged SH people are always in pursuit of excellence for the sole purpose of total customer satisfaction. Besides, you are always welcome at our company at any time and we prize your highly valued opinions. We continue to be devoted to the R&D and innovation in this industry to win customer approval and receive customer compliments.

TSAI TIEN-SHOU



協羽高雄二廠 Kaohsiung Plant II

協羽大事記

SHIE YU Milestones

- | | |
|---|--|
| <p>1973 創立於台中縣清水鎮海濱路336-16號，佔地 16,000 M²</p> <p>1980 成立台北公司，北區市場及外銷部門成立</p> <p>1983 產品獲得國內民營最大化工集團-台塑企業長期統購合約</p> <p>1985 成立高雄分公司</p> <p>1988 榮獲奧地利 Agru Kunststofftechnik GmbH 授權本公司為台灣總代理，專為行銷PP, PE, PVDF, HP-PVDF 管、配件、閥門，用於化工，電子，半導體...等產業系統</p> <p>1988 成立協羽高雄一廠，位於大發工業區莒光一街11-1號，佔地 2,000M²</p> <p>1994 本公司球閥產品獲得美國衛生協會(NSF) 標準#14/61認證，為台灣第一家取得NSF產品認證列名的公司</p> <p>1997 全企業取得ISO 9001認證</p> <p>1998 成立台中分公司</p> <p>1999 協羽高雄二廠成立，位於大發工業區華中路19號，佔地 8,000M²</p> <p>2000 UPVC, CPVC SCH80管、配件加入生產線</p> <p>2001 上海成立分公司</p> <p>2002 中國江蘇省成立中國昆山廠</p> <p>2002 引進世界最知名CINCINNATI UPVC, CPVC SCH80管押出設備加入生產，協羽正式跨入生產管子的新紀元</p> <p>2003 於台中港加工出口區設立管仔生產廠，佔地 34000M²，規劃為生產UPVC, CPVC, HDPE, PP, ABS, PVDF 管仔及配件的專業生產廠區</p> <p>2004 購進德國BATTENFELD HD-PE, PP, ABS, PVDF 生產管押出成型設備加入生產線</p> <p>2004 研發成功，突破過去大型UPVC, CPVC之生產技術，成為市場上能生產一體成型的超大型配件工廠。</p> <p>2005 購進大型專業模具廠，專門為閥門配件增進開發能力</p> | <p>1973 Founded in Ching-Shui town, Taichung County, Taiwan, covering an area of 1,6000 square meters.</p> <p>1980 Set up the export division and Taipei branch operation for north Taiwan and overseas markets</p> <p>1983 Signed long-term supply contracts with Formosa Plastic Group(FPG), the biggest industrial group in Taiwan.</p> <p>1985 Set up Kaoshung branch operation</p> <p>1988 Authorized by Agru Kunststofftechnik GmbH to be the general agent in Taiwan for sale of pipes, fittings, valves in PP, PE, PVDF, HP-PVDF used for chemical, electronic, semi-conductor industries, and so on.</p> <p>1988 Established Kaoshung 1st plant, located in DA FA Industrial Zone, covering an area of 20,000 square meters</p> <p>1994 The first manufacturer in Taiwan to have the NSF listing on the PVC ball valves.</p> <p>1997 Registered to ISO Quality Assurance Management System</p> <p>1998 Established Taichung branch operation</p> <p>1999 Established Kaoshung 2nd plant, located in DA FA Industrial Zone, covering an area of 8,000 square meters</p> <p>2000 Began producing UPVC, CPVC SCH80 pipes and fittings</p> <p>2001 Set up Hsanghai Branch office</p> <p>2002 Established a manufacturing facility in Jang-Su, China</p> <p>2002 Purchased advanced extrusion equipment from the globally known CINCINNATI Co. for production of UPVC, CPVC SCH80 pipes</p> <p>2003 Established a pipe plant in Taichung Harbor Export Processing Zone for production of UPVC, CPVC, HDPE, PP, ABS, PVDF pipes and fittings, covering an area of 34,000 squar meters.</p> <p>2004 Breakthrough the technique limitation in the past, we developped and succeeded in production of extra large-sized UPVC and CPVC fittings</p> <p>2005 Acquired a specialized tooling plant for full line of valve and fitting development and research capabilities</p> |
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Milestones



Certified By
Quality Assurance



創新研發

Innovation and R&D

本公司本著精益求精的精神，對現有產品持續改良，並也依據產品不同的使用場合的需要條件，對產品的材質作研發改善及結構的研發創新，以求使產品達到最佳的適用性以及客戶的滿意。特別我們擁有自有的模具廠，內有完整的全套開模，硬體設備，更配合設計軟體及專業技術人員，配合研發團隊以快速精確模具設計以滿足客戶及市場的需求。再則我們也持續對研發相關配備、人員擴充，使我們的研發工作得以達到國際世界的水準。

我們不斷增強現有產品群，兢兢業業的利用先進技術改變製程。協羽已突破生產大尺寸管材、配件的極限，擁有業界完整的產品群。藉結合市場知識及我們的專業經驗、設計創新及精確的製程能力，我們持續提供客戶最佳的產品。

Based on the desire to provide better products, we continue to improve our existing products, and do R&D work on materials, innovation of product structure to meet the requirements for a wide variety of applications. We have our own in-house tooling department employing staff of experienced and skilled tool and die makers, and equipped with sophisticated and precise CAD/CAM machines for today's ever-changing market. In addition, we are dedicated to workforce performance and R&D work on related fittings to keep up with innovation.

At the same time, we are continually adding to our existing comprehensive product line, taking advantage of advanced technique to improve process. We've made a breakthrough in production of large-sized pipes and fittings, making us the most complete product line in the valve industry. We provide our customers with the best products by integration of knowledge in today's marketplace, our business experience, innovation and precise production techniques.

Advanced Equipment



先進設備

Advanced Equipment

要有優良的產品，需要良好的原料、材料及設備。我們對此方面非常重視；在材料上，精選原料廠商，對原料加以分析測試，確其符合標準才使用；模具力求精良，能將原材料的物性、特性發揮及掌控。加工、射出設備皆為國際知名廠牌，並配合我們的技術人員的特別設計重點加以改製成完全符合我們產品生產需求的專用設備。

另外還有特別的電腦車床專用機及設計的軟體筆，我們對精良設備所投注的心血，使我們的產品品質持續領先並廣獲客戶的歡迎及滿意。

Our premium products are achieved with advanced and sophisticated equipment and through careful selection and analysis of materials in accordance with standards. With precision injection mold tooling and internationally famous brand of machining and injection molding equipment, we are able to control the physical structure and properties of materials. Our skilled engineers integrate distinctive design into equipment to meet the requirements for production of our quality products.

Besides, our dedication to precise and good equipment distinguishes our quality products from our competitors'.



Quality



Control

品質控管

Quality Control

本公司的重要理念：品質優先。在這基礎上，除了將技術部門建立的產品規範及ISO9001作業流程導入生產的每一階段，並且將產品融入完全品質控管的考量：材質、另件、部品、成品每一階段包含自主檢查、作業標準程序、抽驗檢查及閥門的100%試壓的全檢。這完全實現品質控管系統，除了優秀人員的作業組織流程外，也配合我們完整的一系列精良的檢驗設備。

專責的品管人員隨時對品質系統流程做必要的調整考量，以使產品完全符合最佳狀況，並達到產品品質最大的確保；得到客戶對產品最完全的信任及肯定。我們已通過的系統認證有：勞氏ISO9001、BSI 9001；產品認證有：CNS（中國國家標準）、NSF（美國食品衛生協會）。所有產品皆通過嚴格的核可。

我們致力於品質的持續追求，確保S.H產品都是值得信賴，使客戶滿意將成為本產品最佳代言人。

Based on our belief in quality first, we are certified by BSI 9001, CNS and NSF and use ISO 9001 as the basis of our quality management system into which technical specifications set up by our professional engineers for each stage of production procedures have been integrated. We take into consideration a total quality assurance program that includes material selection, self inspection, operation standard procedures improvement, spotting inspection and 100% valve pressure test. Our manufacturing facilities, personnel, processes and procedures are monitored by the total quality management system to ensure they are in conformance with applicable standards.

Our dedicated quality assurance staff ensure reliable and quality products before they reach our customers by continually improving our quality control system.

In order to ensure that all our products are reliable and customer satisfaction is achieved, we have been dedicated to providing the premium quality for our customers for the past 30 years.

Customer Satisfaction

客戶滿意 Customer Satisfaction

基於客戶長期的信賴與全體員工提供客戶對產品的滿意的工作價值觀，協羽公司更致力與客戶維持緊密的合作互惠關係。

身為塑膠閥門、配件，管子的重要供應商，協羽不斷強化我們對客戶服務的核心價值，全員工執行客戶各方面的需求，成為全球客戶最可信賴的專業夥伴，據此扮演客戶在面對競爭及挑戰時最可依賴的一股力量。因為我們深信，為彼此的成功而努力是成功的必要因素。因此，協羽公司秉持著為客戶的成功而工作的精神，進而獲得客戶長久以來的支持與滿意。

Based on long-term trust of our customers and our belief in the value of providing customers with satisfying products, SH has been dedicated to close and mutually beneficial relationships with our customers worldwide.

As one of the most important suppliers of thermoplastic valves, fittings, and pipes in the world, we continually enhance our core value of providing our customers with the best service through staff participation at all levels. As one of the most reliable business partner of our worldwide customers, we play an important and supporting role all the time when our customers encounter severe challenges and stiff competition. We believe that customer's success is our success. Thus, SH, committed to a spirit of working for customer's success, has been receiving customer's support and satisfaction for the past 30 years.

PERMISSIBLE WORKING TEMPERATURE RANGE FOR THE THERMO PLASTICS & RUBBERS

Abbreviation of Material	Material	Maximum Permissible Temperatures	
		°C	°F
UPVC	UNPLASTICIZED POLYVINYL CHLORIDE	0°~60°	32°~140°
CPVC	CHLORINATED POLYVINYL CHLORIDE	0°~90°	32°~210°
PP	POLYPROPYLENE	-20°~90°	-5°~195°
PPG (FRTP)	FIBER GLASS FORTIFIED POLYPROPYLENE	-20°~100°	5°~210°
PVDF	POLYVINYLIDENE FLUORIDE	-40°~120°	-45°~230°
PTFE	POLYTETRAFLUOROETHYLENE (TEFLON)	Under 260°	Under 500°
ABS	ACRYLONITRILE BUTADIENE STYRENE	Under 95°	Under 200°
FPM	FLUORINE RUBBER (VITON)	Under 180°	Under 355°
EPT (EPDM)	ETHYLENEPROPYLENE RUBBER	Under 90°	Under 195°
NBR	NITRILE RUBBER	Under 60°	Under 140°
CR	CHLOROPRENE RUBBER (NEOPRENE)	Under 80°	Under 175°
IIR	ISOBUTHYLENE ISOPREN RUBBER	Under 90°	Under 195°
CSM	CHLORINE SULPHONYL POLYETHYLENE (HYPALON)	Under 90°	Under 195°

PHYSICAL PROPERTIES FOR THERMO PLASTICS

PROPERTIES	Unit	Test Method	UPVC	CPVC	PP	PVDF	PPG	PE-80	PE-100
Specific Gravity	g/cm3	ASTM D792	1.3-1.4	1.49	0.92	1.76-1.78	1.12	0.94	0.95
Tensile Strength @yield	kg/cm2	ASTM D638	478	518	280	530	850	180(min.)	250
@break	kg/cm2	ASTM D638	452	515	450	350	1500	320(min.)	600<
Modulus of Elasticity in tension	kg/cm2	ASTM D638	26900	25200	9700	25300	40600	8000	8000
Flexural Modulus	kg/cm2	ASTM D638	36900	38200	11200	22260	58000	8000	9000
Izod (23degree C)	kg/cm2	ASTM D256	14	32	13	6.5	12	10	17
Rockwall Hardness	R-Scale	ASTM D785	80	85	95	77	105	-	40
Deflection Temperature	C	ASTMD648	66	103	110	147	165	64	65
NSF Potable water approved			YES	YES	YES	YES		YES	YES
Industry standard color			Dark Gray/White	Light Gray	Cream/Black	Natural		Black or Yellow	Black or Blue



隔膜閥系列 Diaphragm Valve

- DF Series: 隔膜凡而(法蘭式).....13
DIAPHRAGM VALVE / Flanged type
- DV Series: 耐真空隔膜凡而.....15
VACUUM-PROOF DIAPHRAGM VALVE
- DF Series: 油任式隔膜閥(插管式、牙口式).....17
TRUE UNION DIAPHRAGM VALVE
- DY Series: Y型自動凡而.....19
Y-TYPE AUTOMATIC DIAPHRAGM VALVE
(NORMAL OPEN TYPE)
- 自動式氣壓隔膜凡而零件配置圖.....21
The Installation Diagram Picture For
the Pneumatic Diaphragm Valve
- 隔膜凡而使用溫度壓力表.....22
Diaphragm Valve Operation
Temperature vs Pressure Chart



球閥系列 Ball Valve

- CB Series: 安全球閥.....25
SAFETY BLOCK (TRUE UNION) BALL VALVE
- CD Series: 雙油任球閥.....27
TRUE UNION (DOUBLE UNION) BALL VALVE
- CA SAFETY: 新型安全雙由球閥.....29
SAFETY BLOCK TRUE UNION BALL VALVE (NEW TYPE)
- CH Series: 安全球閥加埋鋼座.....31
TRUE UNION SAFETY BLOCK BALL VALVE
WITH MOUNTING PADS
- CW Series: 雙由任球閥(面對面焊接型).....33
TRUE UNION BALL VALVE (BUTT WELDING TYPE)



其他球閥系列 Other Ball Valve

- CS Series: 單由任球閥.....37
SINGLE UNION BALL VALVE
- CP Series: 單由任球閥(簡單型).....39
SINGLE UNION BALL VALVE (Simple Type)
- CI Series: 理想型球閥.....40
BOLT UNION BALL VALVE
- CG Series: 強力型球閥.....41
STRONG UNION BALL VALVE
- CN Series: 自強型球閥.....43
NATURE BALL VALVE
- CL Series: 實驗式球閥.....44
LABCOCK BALL VALVE



Plumbing閥種系列 Plumbing Valve

- CC Series: 緊密型球閥.....47
COMPACT BALL VALVE
- CE Series: PP緊密型球閥.....49
PP COMPACT BALL VALVE
- CTS Series: 緊密型球閥(熱水鋼管用).....51
CPVC-CTS COMPACT BALL VALVE
- CM Series: 雙外牙緊密型球閥.....52
MALE THREADED COMPACT BALL VALVE
- EU Series: 油任接頭.....53
UNION
- EC Series: 快速接頭.....54
Compression Coupling



蝶閥系列 Butterfly Valve

- BS Series: 耐酸、耐鹼多用途超大型旋轉凡而.....57
SUPER LARGE SIZED BUTTERFLY VALVE
- BB Series: 旋轉凡而(手把式).....59
BUTTERFLY VALVE Lever handle type
- BE Series: 通用型蝶閥.....61
BUTTERFLY VALVE-Universal Type
(available to actuator directly mounted) Lever handle type
- BF Series: 旋轉凡而全法蘭齒輪式.....63
BUTTERFLY VALVE GEAR OPER.
ATOR-FULL FLANGED TYPE



逆止閥系列 Check Valve

- JW Series: 擺動逆止凡而(橫式).....67
CHECK VALVE / HORIZONTAL TYPE
- JB Series: 球型逆止凡而(直式).....69
BALL CHECK VALVE (VERTICAL TYPE)
- JX Series: 由任式球型逆止凡而(直式).....71
TRUE UNION BALL CHECK VALVE
(VERTICAL TYPE)
- JC Series: 彈簧逆止閥.....73
IN-LINE SPRING CHECK VALVE



福特閥門系列 Ford Valve

- JF Series: 福特球型凡而(直式).....77
BALL FOOT VALVE (VERTICAL TYPE)
- JD Series: 彈簧式福特閥.....79
In-Line Spring Foot Valve
- EP Series: 泳池閥(柱塞閥).....80
POOL & SPA VALVE



過濾器系列 Sediment Strainers

- JS Series: 過濾器.....83
T-TYPE SEDIMENT STRAINERS
- EY Series: Y型過濾器.....85
Y-SEDIMENT STRAINERS



電動/氣動閥門系列 Electric / Pneumatic Actuated Valve

- CO Series: 雙式氣動球閥.....89
PNEUMATIC ACTUATED BALL VALVE
(DOUBLE ACTION TYPE)
- CQ Series: 單式氣動球閥.....91
PNEUMATIC ACTUATED BALL VALVE
(SPRING RETURN TYPE)
- CJ Series: 電動球閥.....93
ELECTRIC ACTUATED BALL VALVE
- BM Series: 雙式氣動蝶閥.....95
PNEUMATIC ACTUATED BUTTERFLY VALVE
(DOUBLE ACTION TYPE)
- BN Series: 單式氣動蝶閥.....97
PNEUMATIC ACTUATED BUTTERFLY
FLY VALVE (Spring Return Type)
- BP Series: 旋轉凡而(電動式).....99
BUTTERFLY VALVE (ELECTRIC ACTUATED TYPE)



其他產品系列 Other Products

- EI Series: 液面計.....103
Inspection Glass
- EG Series: 水位計凡而.....104
GAUGE VALVE



法蘭系列 Flange

- TS Series: TS 法蘭 UPVC&CPVC.....107
TS FLANGE / ONE PIECE FLANGE
- VS Series: 二片式法蘭 UPVC&CPVC.....108
VAN STONE FLANGE
- FW Series: 焊接法蘭 / 盲法蘭.....109
WELDING FLANGE / BLIND FLANGE
- FS Series: 牙口法蘭.....110
SCREW FLANGE



緊迫系列 Gasket

- FG Series: 迫緊.....113
GASKET



Diaphragm Valve

隔膜閥 系列

- Material: UPVC, PP, CPVC, PPG, PVDF
- Size: DN15~DN250
- 材質 : UPVC, PP, CPVC, PPG, PVDF
- 尺寸 : DN15~DN250



Hi-Tech'S, Hi-Quality'S



DIAPHRAGM VALVE / Flanged type



DV Series

隔膜凡而 (法蘭式)

DF300
Size: DN15~DN250

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PPG, PVDF	11	Grease Nipple	1	SUS304
2	Bonnet	1	PPG, PVDF	12	Stud Bolt & Nut	4	15A-25A SUS304
3	Compressor	1	15A-25A PVDF 40A-250A FC20	13	Inserted Nut	6	40A-50A SUS304
4	Hand Wheel	1	PPABS	14	Boit Nut & Washer	8	65A-125A BSBM
5	Sleeve	1	15A-50A BSBM 65A-250A FC25	15	thrust Bearing	12	150A SUS304
6	Stern	1	15A-50A BSBM 65A-250A SS41	16	Stopper	16	200A SUS304
7	Diaphragm	1	EPDM, HYPALON, TEFLON	17	Set Nut	20	250A SUS304
8	Cap	1	15A-25A BSBH 40A-250A PVC	18	Gauge Cover	1	Standardized 80A-250A USED ONLY
9	Compressor Pin	1	SUS-304	19	Sheet Ring	1	SS-41 BSBM SUS304
10	Name Plate	1	PVC	20	Washer	1	SS41 BSBM SUS304

Note : 1. SUS 304Stainless Steel AISI 304 2. SS 41Rolled steel for General Structure 3. BSBMFree Cutting Brass Bar
4. FC 20.....Grav Cast Iron 5. SUP.....Steel for Spring ASTM A-230-68

※第3、5、6、12、14項材質如用SUS-304或SUS-316為特殊規格，價格另計。
※PVDF隔膜上蓋(BONNET)標準材質用PPG，如須使用PVDF上蓋為特殊規格，價格另計。

The standard material to bonnet : PPG.

Optional PVDF bonnet material for PVDF diaphragm valve.

Optional materials on request for part no. 4,5,6,12,14.: SUS 304 or SUS 316.

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DIMENSIONS TABLE

JIS													Unit: mm		PRESS Test for Assembly (at 20°C)									
Nom. Size mm(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: kg/cm ²											
													Rubber Diaphragm					Teflon Diaphragm						
													UPVC	PP	PPG	CPVC	PVDF	UPVC	PP	PPG	CPVC	PVDF		
15(1/2")	16	70	95	15	4	58x53	94	13	110	15	101	140	10	10	10	10	10	10	7	7	10	7		
20(3/4")	20	75	100	15	4	74x63	94	13	120	16	106	152	10	10	10	10	10	10	7	7	10	7		
25(1")	25	90	125	19	4	80x66	94	14	130	16	113	158	10	10	10	10	10	10	7	7	10	7		
40(1 1/2")	41	105	140	19	4	126	147	24	180	17	133	193	10	10	10	10	10	7	7	7	7	7		
50(2")	52	120	155	19	4	148	147	28	210	17	145	210	10	10	10	10	10	7	7	7	7	7		
65(2 1/2")	68	140	175	19	4	190	202	32	250	22	197	276	10	10	10	10	10	7	7	7	7	7		
80(3")	78	150	185	19	8	215	202	34	280	22	218	293	10	10	10	10	10	6	5	6	6	6		
100(4")	100	175	210	19	8	255	241	54	340	22	261	370	10	10	10	10	10	6	5	6	6	6		
125(5")	125	210	250	23	8	320	274	72	410	24	308	412	7	7	7	7	7	5	4	4	5	5		
150(6")	148	240	280	23	8	385	395	72	480	30	334	471	7	7	7	7	7	5	4	4	5	5		
200(8")	198	290	330	23	12	430	395	96	570	30	419	625	4	4	4	4	4	3	3	3	3	3		
250(10")	248	355	400	25	12	540	555	132	680	32	510	750	4	3	4	4	4	3	3	3	3	3		

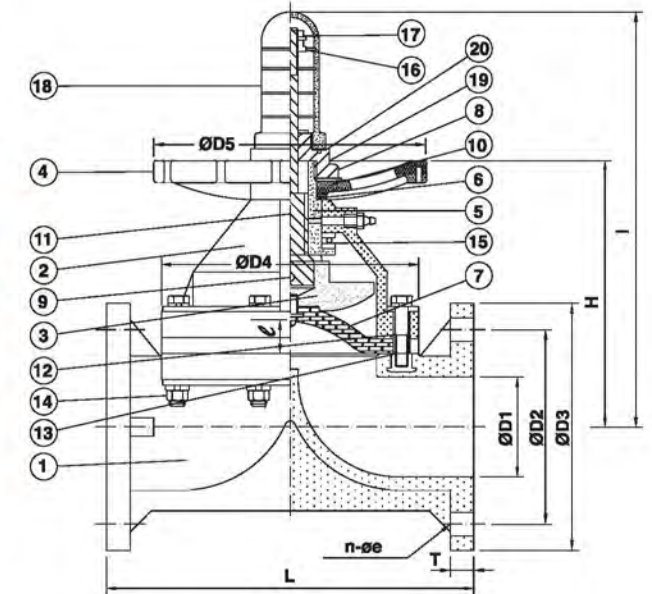
CV VALUE

CV值 [GMP/(1bf/in ²) ^{1/2}]	CV值
Full Open: 100%	
尺寸	CV值
1/2"	3.27
3/4"	5.29
1"	8.87
1-1/2"	31.09
2"	43.15
2-1/2"	90.68
3"	116.79
4"	186.78
6"	345.26

BOLTS TORQUE VALUE

SIZE	Kg.m	N.m
1/2"	90	8.83
3/4"	110	10.79
1"	110	10.79
1-1/2"	150	14.72
2"	220	21.58
2-1/2"	220	21.58
3"	280	27.47
4"	280	27.47
6"	280	27.47

1Kg.m=0.0981N.m



DIMENSIONS TABLE

ANSI												Unit: inch		PRESS Test for Assembly (at 20°C)									
Nom. Size mm(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: psi										
													Rubber Diaphragm					Teflon Diaphragm					
													UPVC	PP	PPG	CPVC	PVDF	UPVC	PP	PPG	CPVC	PVDF	
15(1/2")	0.63	2.38	3.50	0.63	4	2.32x2.09	3.70	0.51	4.25	0.59	3.98	5.51	150	150	150	150	150	150	105	105	150	105	
20(3/4")	0.79	2.76	3.86	0.63	4	2.80x2.48	3.70	0.51	5.90	0.63	4.17	5.98	150	150	150	150	150	150	105	105	150	105	
25(1")	0.98	3.13	4.25	0.63	4	3.15x2.60	3.70	0.55	5.90	0.63	4.45	6.22	150	150	150	150	150	150	105	105	150	105	
40(1 1/2")	1.61	3.88	5.00	0.63	4	4.96	5.79	0.94	6.95	0.67	5.24	7.60	150	150	150	150	150	105	105	105	105	105	
50(2")	2.05	4.74	5.98	0.75	4	5.83	5.79	1.10	7.95	0.67	5.71	8.27	150	150	150	150	150	105	105	105	105	105	
65(2 1/2")	2.68	5.49	7.01	0.75	4	7.48	7.95	1.26	9.85	0.87	7.76	10.87	150	150	150	150	150	105	105	105	105	105	
80(3")	3.07	6.00	7.52	0.75	4	8.46	7.95	1.34	10.40	0.75	8.50	11.54	150	150	150	150	150	90	75	90	90	90	
100(4")	3.94	7.50	9.02	0.75	8	10.04	9.49	2.13	12.95	0.91	10.28	14.57	150	150	150	150	150	90	75	90	90	90	
125(5")	4.92	8.50	10.00	0.87	8	12.60	10.79	2.83	16.14	0.94	12.13	16.22	105	105	105	105	105	75	60	60	75	75	
150(6")	5.83	9.51	10.98	0.87	8	15.16	15.55	2.83	18.90	1.18	13.15	18.54	105	105	105	105	105	75	60	60	75	75	
200(8")	7.80	11.75	13.50	0.87	8	16.93	15.55	3.78	22.44	1.26	16.40	24.61	60	60	60	60	60	45	45	45	45	45	
250(10")	9.76	14.25	15.98	0.98	12	21.26	21.85	5.20	26.77	1.26	20.08	29.53	60	45	60	60	60	45	45	45	45	45	

DIN													Unit: mm		PRESS Test for Assembly (at 20°C)									
Nom. Size mm(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: kgf/cm ²											
													Rubber Diaphragm					Teflon Diaphragm						
													UPVC	PP	PPG	CPVC	PVDF	UPVC	PP	PPG	CPVC	PVDF		
15(1/2")	16	65	95	14	4	59x53	94	13	130	23	101	140	10	10	10	10	10	10	7	7	10	7		
20(3/4")	20	75	105	14	4	74x63	94	13	150	23	106	152	10	10	10	10	10	10	7	7	10	7		
25(1")	25	85	115	14	4	80x66	94	14	160	23	113	158	10	10	10	10	10	10	7	7	10	7		
40(1 1/2")	41	110	150	18	4	126	147	24	200	23	133	193	10	10	10	10	10	7	7	7	7	7		
50(2")	52	125	165	18	4	148	147	28	230	21	145	210	10	10	10	10	10	7	7	7	7	7		
65(2 1/2")	68	145	185	18	4	190	202	32	290	22	197	276	10	10	10	10	10	7	7	7	7	7		
80(3")	78	160	200	18	8	215	202	34	310	22	218	293	10	10	10	10	10	6	5	6	6	6		
100(4")	100	180	220	18	8	255	241	54	350	25	261	370	10	10	10	10	10	6	5	6	6	6		
125(5")	125	210	250	18	8	320	274	72	400	24	308	412	7	7	7	7	7	5	4	4	5	5		
150(6")	148	240	285	23	8	385	395	72	480	30	334	471	7	7	7	7	7	5	4	4	5	5		
200(8")	198	295	340	23	8	430	395	96	600	32	419	625	4	4	4	4	4	3	3	3	3	3		
250(10")	248	350	395	23	12	540	555	132	680	32	510	750	4	3	4	4	4	3	3	3	3	3		



VACUUM-PROOF DIAPHRAGM VALVE



DV Series

耐真空隔膜凡而

DV300

Size :80mm(3")~250mm(10")

MATERIALS : UPVC,PP,PPG.CPVC,PVDF

【專利品】台專新型第18490號

PATNET:NO. 18490

Note: Standard Type Diaphragm valv in size

15mm(1/2")-65mm(2 1/2")can be used under vacuum

※角牙、角牙母、心仔、壓板、螺絲、螺母、材質如用SUS-304或SUS-316為特殊規格、價格另計。

※PVDF隔膜閥上蓋(BONNET)標準材質使用PPG，如須使用PVDF上蓋為特殊規格，價格另計。

FEATURES

Concerning the standard diaphragm valve, the inserted metal of the diaphragm frequently comes out, when exposed to vacuum, therefore, the valve cannot function at all, S.H.VACUUM PROOF DIAPHRAGM VALVE has solved this problem and has won favorable valuation in various fields.

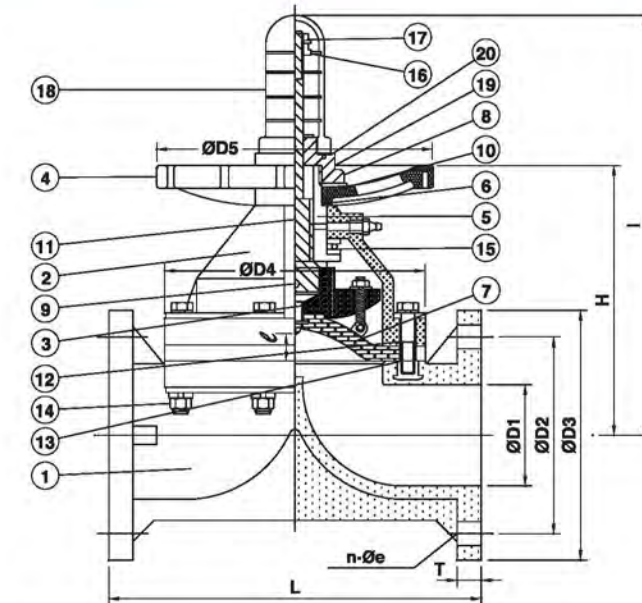
S.H. VACUUM-PROOF DIAPHRAGM VALVE has more inserted matels of the diaphragm. Tghe diaphragm is designed forbeing hanged from from the compressor (Patent). This prevents the diaphragm from being drawn towards the valve seat (downwards) by vacuum. This valve can endure the perfect vacuum. (-760m/m Hg)

This VALVE can also be used under pressure.As both body and bonnet are thick and monobloc moldings with vacuum resistance, this can be used not only under vacuum but under pressure.

(3kg/cm2 (40lb/in2)-7kg/cm2(100lb/in2)

Reference(Unit: m/mHg)

Nom. Size m/m(inch)	STANDARD TYPE	VACUUM TYPE	Ball Valv
	Rubber Dia.	Rubbere dia.	
15(1/2")	-760	-	-760
20(3/4")	-760	-	-760
25(1")	-760	-	-760
40(1 1/2")	-760	-	-760
50(2")	-760	-	-760
65(2 1/2")	-760	-	-760
80(3")	-650 ~ -760	-760	-
100(4")	-500 ~ -600	-760	-
125(5")	-360 ~ -470	-760	-
150(6")	-250 ~ -360	-760	-
200(8")	-100 ~ -200	-760	-
250(10")	below -50	-760	-



DIMENSIONS TABLE

JIS												Unit: mm		PRESS Test for Assembly (at 20℃)				
Nom. Size mm(Inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: kgf/cm²					
													Rubber Diaphragm					
													UPVC	PP	PPG	CPVC	PVDF	
80(3")	78	150	185	19	8	215	202	34	280	22	218	293	10	10	10	10	10	
100(4")	100	175	210	19	8	255	241	54	340	22	261	370	10	10	10	10	10	
125(5")	125	210	250	23	8	320	274	72	410	24	308	412	7	7	7	7	7	
150(6")	148	240	280	23	8	385	395	72	480	30	334	471	7	7	7	7	7	
200(8")	198	290	330	23	12	430	395	96	570	30	419	625	4	4	4	4	4	
250(10")	248	355	400	25	12	540	555	132	680	32	510	750	4	3	4	4	4	

ANSI													Unit: Inch		PRESS Test for Assembly (at 20°C)				
Nom. Size m/m(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift <i>ℓ</i>	L	T	H	I	Test Pressure Unit: psi						
													Rubber Diaphragm						
													UPVC	PP	PPG	CPVC	PVDF		
80(3")	3.07	6.00	7.52	0.75	4	8.46	7.95	1.34	10.40	0.75	8.50	11.54	150	150	150	150	150		
100(4")	3.94	7.50	9.02	0.75	8	10.04	9.49	2.13	12.95	0.91	10.28	14.57	150	150	150	150	150		
125(5")	4.92	8.50	10.00	0.87	8	12.60	10.79	2.83	16.14	0.94	12.13	16.22	105	105	105	105	105		
150(6")	5.83	9.51	10.98	0.87	8	15.16	15.55	2.83	18.90	1.18	13.15	18.54	105	105	105	105	105		
200(8")	7.80	11.75	13.50	0.87	8	16.93	15.55	3.78	22.44	1.26	16.40	24.61	60	60	60	60	60		
250(10")	9.76	14.25	15.98	0.98	12	21.26	21.85	5.20	26.77	1.26	20.08	29.53	60	45	60	60	60		

DIN													Unit: mm		PRESS Test for Assembly (at 20°C)				
Nom. Size mm(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: kgf/cm²						
													Rubber Diaphragm						
													UPVC	PP	PPG	CPVC	PVDF		
80(3")	78	160	200	18	8	215	202	34	310	22	218	293	10	10	10	10	10		
100(4")	100	180	220	18	8	255	241	54	350	25	261	370	10	10	10	10	10		
125(5")	125	210	250	18	8	320	274	72	400	24	308	412	7	7	7	7	7		
150(6")	148	240	285	23	8	385	395	72	480	30	334	471	7	7	7	7	7		
200(8")	198	290	340	23	8	430	395	96	600	32	419	625	4	4	4	4	4		
250(10")	248	350	395	23	12	540	555	132	680	32	510	750	4	3	4	4	4		

※ Standard dimensions based on PVC material



TRUE UNION DIAPHRAGM VALVE



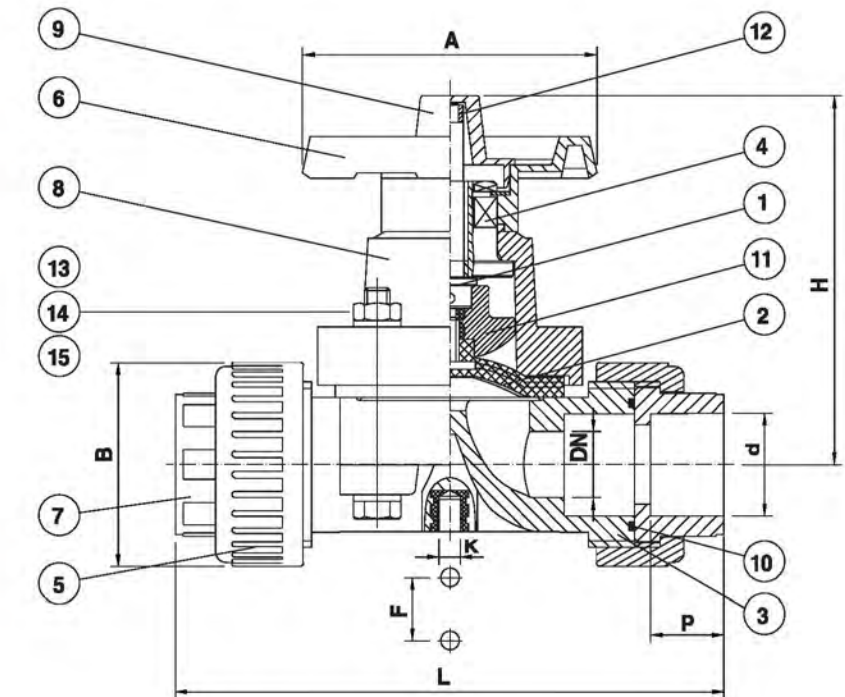
TORQUE VALUE(扭力值)

SIZE	Kg.m	N.m
1/2"-3/4"	80	7.85
1"	80	7.85
1-1/2"	100	9.81
2"	100	9.81

1Kg.m=0.0981N.m

CV VALUE

CV值 [GMP/(1bf/in ²) ^{1/2}]	
OPENING:100%	
尺寸	CV值
1/2"	3.27
3/4"	5.29
1"	8.87
1-1/2"	31.09
2"	43.15



DN15~DN50

DF Series

油任式隔膜閥 (插管式、牙口式)

DF100 SOCKET / DF200 THREAD

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Shaft	1	BRASS	9	Gauge Cover	1	PC
2	Diaphragm	1	EPDM, TEFLON	10	O'ring	2	EPDM, VITON
3	Body	1	UPVC, PP, CPVC, PVDF	11	Compressor	1	15A-25A PVDF 32A-50A PPG
4	Sleeve	1	BRASS	12	Indicator	1	PE
5	Union Nut	2	UPVC, PP, CPVC, PVDF	13	Bolt	4	SUS304
6	Handle	1	ABS	14	Nut	4	SUS304
7	End Connector	2	UPVC, PP, CPVC, PVDF	15	Washer spring washer	8	SUS304
8	Bonnet	1	UPVC, PP, CPVC, PVDF				

DIMENSIONS TABLE

Standards	JIS											ANSI											DIN										
	Unit: mm											Unit: inch											Unit: mm										
	Nom. Size											Nom. Size											Nom. Size										
	d	P	B	L	H	A	F	K	Test Pres, (kgf/cm ²)	Pile dia, Dia.	Rubber Dia.	d	P	B	L	H	A	F	K	Test Pres, (lb/in ²)	Pile dia, Dia.	Rubber Dia.	d	P	B	L	H	A	F	K	Test Pres, (kgf/cm ²)	Pile dia, Dia.	Rubber Dia.
15-1/2"	22	PT1/2	22.2	54	166	104	81	25	5/16"	7	10	0.84	NPT1/2	0.875	2.126	6.53	4.094	3.189	0.984	5/16"	104	148	20	R1/2	16.0	54	166	104	81	25	5/16"	7	10
20-3/4"	26	PT3/4	25.4	54	166	104	81	25	5/16"	7	10	1.05	NPT3/4	1.000	2.126	6.53	4.094	3.189	0.984	5/16"	104	148	25	R1/4	18.5	54	166	104	81	25	5/16"	7	10
25-1"	32	PT1	28.6	63	183	116	91	25	5/16"	7	10	1.32	NPT1	1.125	2.480	7.2	4.567	3.583	0.984	5/16"	104	148	32	R1	22.0	63	183	116	91	25	5/16"	7	10
32-1 1/4"	38	PT1 1/4	31.8	89	238	142	117	45	5/16"	7	10	1.66	NPT1-1/4	1.250	3.5	9.37	5.591	4.606	1.772	5/16"	104	148	40	R1-1/4	26.0	89	238	142	117	45	5/16"	7	10
40-1 1/2"	48	PT1 1/2	34.9	89	238	142	117	45	5/16"	7	10	1.90	NPT1-1/2	1.375	3.5	9.37	5.591	4.606	1.772	5/16"	104	148	50	R1-1/2	31.0	89	238	142	117	45	5/16"	7	10
50-2"	60	PT2	38.1	101	273	176	150	45	5/16"	7	10	2.38	NPT2	1.500	3.97	10.74	6.929	5.906	1.772	5/16"	104	148	63	R2	37.5	101	273	176	150	45	5/16"	7	10

※ Standard dimensions based on PVC material



Y-TYPE AUTOMATIC DIAPHRAGM VALVE (NORMAL OPEN TYPE)



YT Series

Y 型自動凡而

**DY100 SOCKET/DY200 THREADED
DY300 FLANGED
Size: 3/8" - 2"**

Y Type Diaphragm Valve

Operation Instructions:

1. Valve Close Operations:

Air fill in from the cap's air vent hole, and body's air vent hole clear out the air.

2. Valve Open Operations:

Air fill in from the body's air vent hole and cap's air vent hole clear out the air.

Operation Limits:

1. 1-8kg/cm²

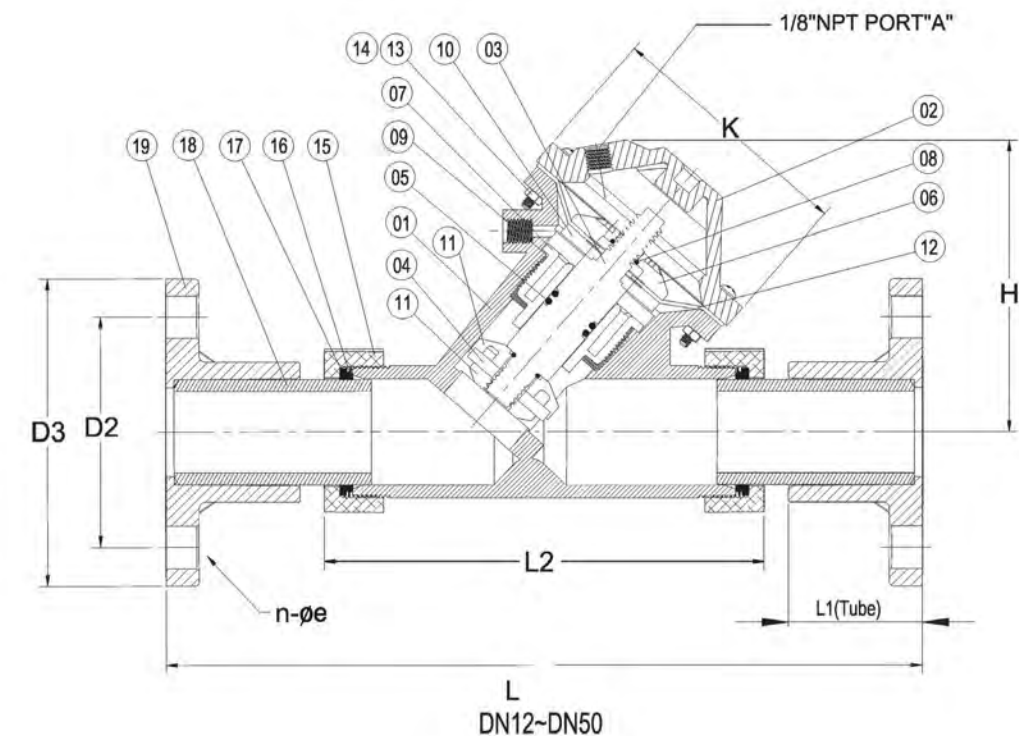
2. 1kg/cm air can open the valve (from the body's air vent hole)

3. The max. pressure inside of the valve (filled air pressure + flow pressure) is 8kg/cm²

4. The air pressure fill from the cap's air vent hole must be larger than the flow pressure that can close the valve.

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	PPS	11	Plate Screw	1	PVDF
2	Bonnet	1	PPS	12	Diaphragm	1	EPDM
3	Disc Plate Screw	1	PVDF	13	Bolt	6/8/12	SUS304
4	Disc	1	EPDM	14	Hex Nut	6/8/12	SUS304
5	Dynamic O'ring	1	EPDM	15	End Seal	2	PPO
6	Shaft	1	PVDF	16	Split Ring	2	EPDM
7	Shaft Guide	1	PPG	17	Retainer Nut	2	PPG
8	Shaft Seal	1	EPDM	18	Tube	2	UPVC
9	Body Seal	1	EPDM	19	Flange	2	UPVC
10	Diaphragm Hader	1	PVDF				



DIMENSIONS TABLE

Nom. Size DN(Inch)	L2	L1	L	H	K	JIS Unit:mm		ANSI Unit:inch		DIN Unit:mm	
						D2	D3	n	øe	D2	D3
12(3/8")	100	70	198	65	63	65	90	4	15	2.38	3.50
15(1/2")	100	70	219	65	63	70	95	4	15	2.36	3.50
20(3/4")	118	80	238	103	83	75	100	4	15	2.75	3.88
25(1")	118	80	238	103	83	90	125	4	19	3.13	4.25
32(1-1/4")	194	90	332	128	116	100	135	4	19	3.50	4.63
40(1-1/2")	194	90	332	128	116	105	140	4	19	3.88	5.00
50(2")	194	90	350	128	116	120	155	4	19	4.75	6.00

※ Standard dimensions based on PVC material

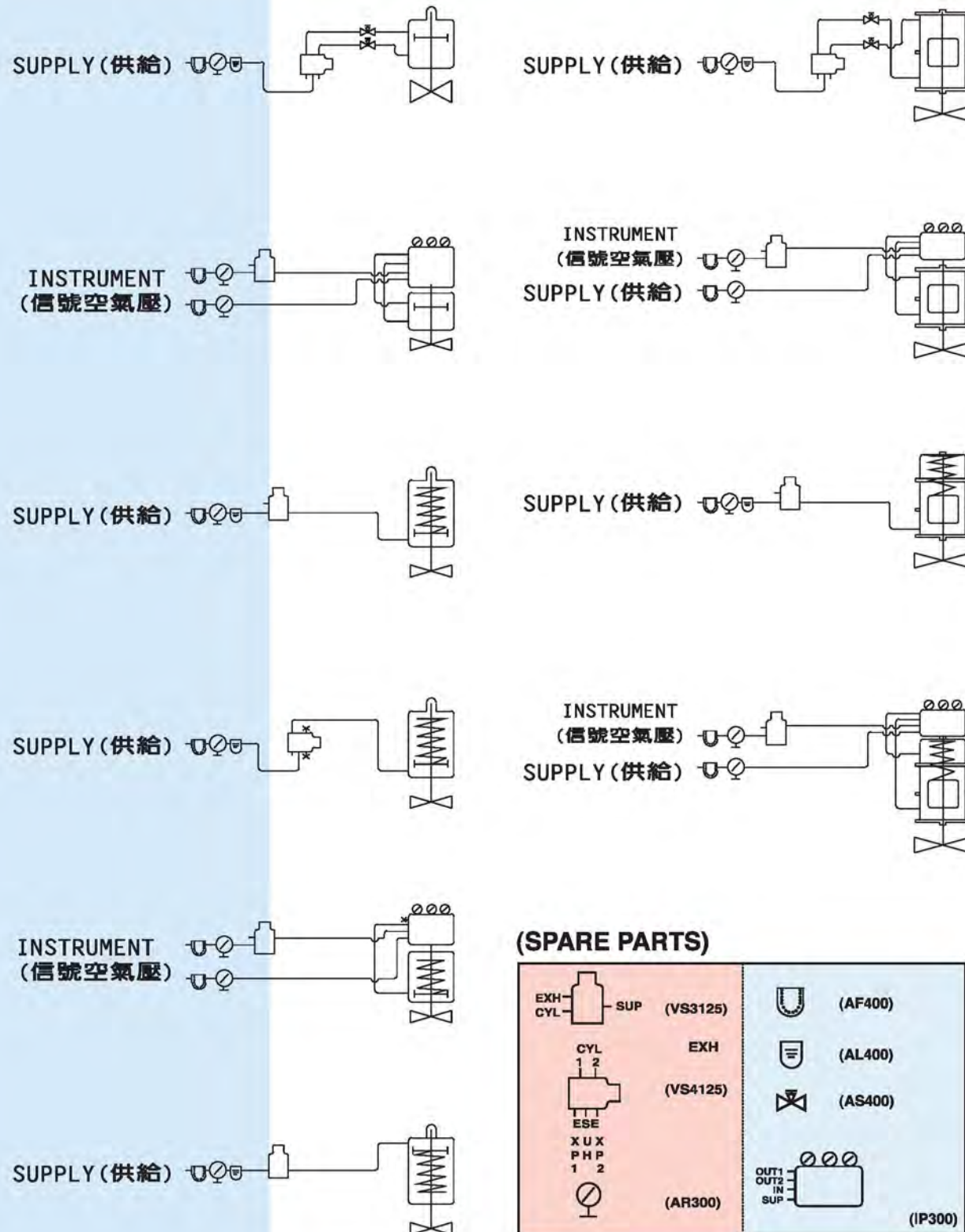


The Installation Diagram Picture For the Pneumatic Diaphragm Valve



Diaphragm Valve Operation Temperature vs Pressure Chart

自動式氣壓隔膜凡而零件配置圖



隔膜凡而使用溫度壓力表

(MATERIAL)		(NOM. SIZE)	15	20	25	40	50	65	80	100	125	150	200	250
(BODY)	(DIAPHRAGM)	working press °C(F)	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"
U-PVC	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		0°C-20(36-68)(Working)	7	7	7	7	7	7	7	7	5	5	3	3
		21-40(70-100)	7	7	7	7	7	7	7	7	5	4	3	3
		41-80(106-140)	6	6	6	5	5	5	5	5	4	4	3	2
	PTFE	(TEST PRESS)	10	10	10	7	7	7	6	6	5	5	3	3
		0°C-20(36-68)(Working)	7	7	7	5	5	5	4	4	3	3	2	2
		21-40(70-100)	6	6	5	5	5	5	4	4	2	2	2	2
		41-80(106-140)	5	5	5	5	5	4	3	3	2	2	2	2
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		21-40(70-100)	7	7	7	7	7	7	7	7	5	5	3	3
		21-40(70-100)	7	7	7	7	7	7	7	5	5	4	3	3
		41-80(70-100)	6	6	6	5	5	5	5	5	4	3	2.5	2
PP	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	3
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	2
		40-60(106-140)	7	7	7	7	7	7	7	7	5	5	3	2
		61-90(142-194)	7	6	6	6	6	5	5	5	3	3	2	2
	PTFE	(TEST PRESS)	7	7	7	7	7	7	5	5	4	4	3	3
		-20-40(-4-104)	5	5	5	5	5	5	5	5	3	3	2	2
		40-60(106-140)	5	5	5	5	5	5	5	5	2.5	2	2	2
		61-90(142-194)	5	4	4	4	3	3	3	3	2.5	2	2	2
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	3
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
		40-60(106-140)	7	7	7	7	7	7	7	6	5	4	3	3
		61-90(142-194)	6	6	6	5	5	5	5	4	4	3	2	2
CPVC	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
		40-60(106-140)	7	7	7	7	7	7	7	7	5	4	3	3
		61-90(142-194)	6	6	6	5	5	5	5	5	4	4	3	2
	PTFE	(TEST PRESS)	10	10	10	7	7	7	6	6	5	5	3	3
		-20-40(-4-104)	7	7	5	5	5	5	4	4	2.5	2.5	2	2
		40-60(106-140)	6	6	5	5	5	5	4	4	2	2	2	2
		61-90(142-194)	5	5	5	5	5	4	3	3	2	2	2	2
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
		40-60(106-140)	7	7	7	7	7	5	7	6	5	4	3	3
		61-90(142-194)	6	6	6	5	5	10	5	5	4	3	2.5	2
PPG (FRTP)	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	4	3
		61-90(142-194)	7	7	7	7	6	6	6	5	5	4	3	2
		91-120(196-248)	5	5	5	4	4	4	3	3	3	2	2	1
	PTFE	(TEST PRESS)	7	7	7	7	7	7	6	6	4	4	3	3
		-20-60(-4-140)	5	5	5	5	5	5	5	5	3	3	3	2
		61-90(142-194)	5	5	5	5	5	5	4	4	3	3	2	1
		91-120(196-248)	4	4	4	3	3	3	2	2	2	1	1	1
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	5	5	5	4	3
		61-90(142-194)	7	7	7	7	7	7	7	5	5	3	3	2
		91-120(196-248)	6	6	6	5	5	5	5	3	3	2	2	1
PVDF	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	3	3
		61-90(142-194)	7	7	7	7	7	7	7	5	5	5	3	3
		91-120(196-248)	6	6	6	5	5	5	5	4	4	4	2.5	2
	PTFE	(TEST PRESS)	7	7	7	7	7	7	6	6	5	5	3	3
		-20-60(-4-140)	5	5	5	5	5	5	4	4	3	3	2	2
		61-90(142-194)	5	5	5	5	5	5	4	3	3	2	2	2
		91-120(196-248)	5	5	5	5	4	4	3	3	2	2	2	2
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	3	3
		61-90(142-194)	7	7	7	7	7	7	7	6	5	4	3	3
		91-120(196-248)	6	6	6	5	5	5	5	5	4	3	2.5	2



Ball Valve (True Union Type)

球閥系列(雙由任型式)

● Material: UPVC, PP, CPVC, PVDF

● Size: 1/2"~4"

● 材質: UPVC, PP, CPVC, PVDF

● 尺寸: 1/2"~4"

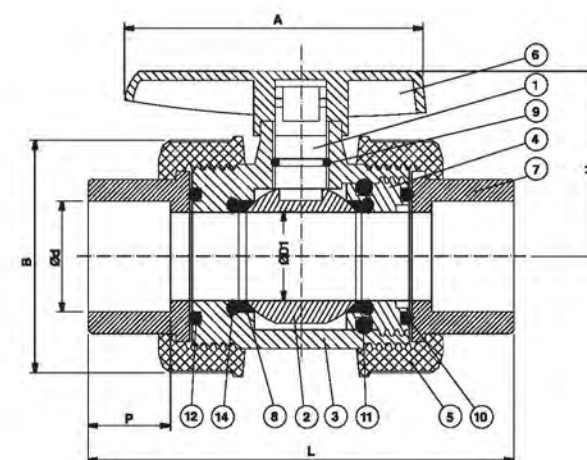


Hi-Tech'S, Hi-Qualitly'S

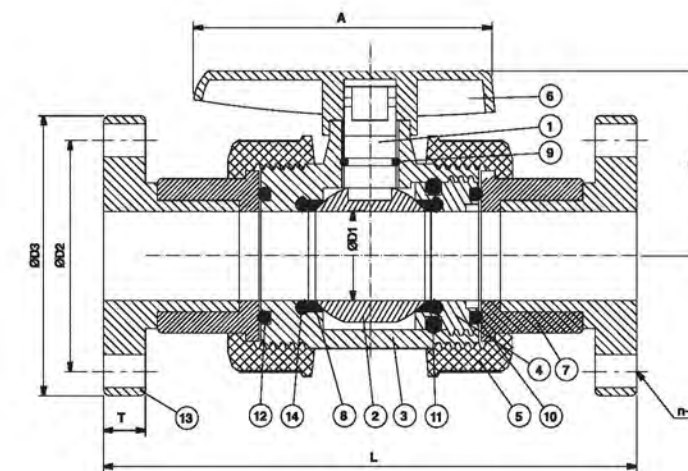




SAFETY BLOCK (TRUE UNION) BALL VALVE



SOCKET & SCREW TYPE



FLANGE TYPE

CB Series

安全球閥

CB100 SOCKET/ CB200 THREAD/ CB300 FLANGED
Size: 1/2" - 4"

本產品榮獲NSF 14/NSF 61認證合格

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	8	SEAT	2	PTFE
2	BALL	1	UPVC, PP, CPVC, PVDF	9	STEM O-RING	1...DN15-50 2...DN65-100	EPDM, VITON
3	BODY	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER O-RING	1	EPDM, VITON
4	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF	11	BODY O-RING	1	EPDM, VITON
5	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	SOLID END O-RING	1	EPDM, VITON
6	UHANDLE	1	ABS	13	FLANGE	2	UPVC, PP, CPVC, PVDF
7	END CONNECTOR	2	UPVC, PP, CPVC, PVDF				

DIMENSIONS TABLE

JIS																Unit:mm
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	TestPress kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	15	70	95	22	PT1/2	15	4	22.2	116	116	157	77	15	55	54	15
20(3/4")	19	75	100	26	PT3/4	15	4	25.4	133	133	166	85	16	60	65	15
25(1")	25	90	125	32	PT1	19	4	28.6	149	149	196	98	17	71	73	15
32(1-1/4")	38	100	135	38	PT1-1/4	19	4	31.8	172	172	218	109	17	75	81	15
40(1-1/2")	38	105	140	48	PT1-1/2	19	4	34.9	190	190	236	118	17	95	98	15
50(2")	48	1202	155	60	PT2	19	4	38.1	205	205	256	137	20	104	120	15
65(2-1/2")	65	140	175	76	PT2-1/2	19	4	44.5	228	228	282	190	20	140	150	10
80(3")	78	150	185	89	PT3	19	8	47.6	270	270	330	230	23	165	184	10
100(4")	102	175	210	114	PT4	19	8	57.0	324	324	385	274	23	172	226	10

DIMENSIONS TABLE

ANSI															Unit:inch	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Pres lb/in ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	0.59	2.375	3.500	0.848	NPT1/2	0.625	4	0.875	4.57	4.57	6.06	3.03	0.591	2.17	2.17	222
20(3/4")	0.748	2.750	3.875	1.058	NPT3/4	0.625	4	1.000	5.24	5.24	6.54	3.35	0.630	2.36	2.56	222
25(1")	0.98	3.125	4.250	1.325	NPT1	0.625	4	1.125	5.87	5.87	7.60	3.86	0.669	2.80	2.87	222
32(1-1/4")	1.496	3.500	4.625	1.670	NPT1-1/4	0.625	4	1.250	6.77	6.77	8.58	4.29	0.669	2.95	3.19	222
40(1-1/2")	1.496	3.875	5.000	1.912	NPT1-1/2	0.625	4	1.375	7.48	7.48	9.29	4.65	0.709	3.74	3.86	222
50(2")	1.89	4.750	6.000	2.387	NPT2	0.750	4	1.500	8.07	8.07	10.07	5.39	0.787	4.09	4.72	222
65(2-1/2")	2.56	5.500	7.000	2.889	NPT2-1/2	0.750	4	1.750	8.97	8.97	11.10	7.48	0.787	5.51	5.90	148
80(3")	3.07	6.000	7.500	3.515	NPT3	0.750	4	1.875	10.62	10.62	13.00	9.06	0.90	6.50	7.24	148
100(4")	4.01	7.500	9.000	4.518	NPT4	0.750	8	2.250	12.76	12.76	15.15	10.79	0.90	6.77	10.31	148

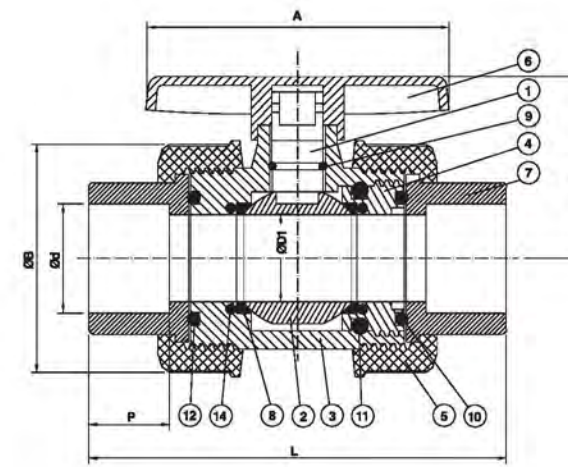
DIN																Unit:mm
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	15	65	95	20	R1/2	14	4	16.0	116	116	157	77	15	55	54	15
20(3/4")	19	75	105	25	R3/4	14	4	18.5	133	133	166	85	16	60	65	15
25(1")	25	85	115	32	R1	14	4	22.0	149	149	196	98	17	71	73	15
32(1-1/4")	38	100	140	40	R1-1/4	18	4	26.0	172	172	218	109	17	75	81	15
40(1-1/2")	38	110	150	50	R1-1/2	18	4	31.0	190	190	236	118	18	95	98	15
50(2")	48	120	165	63	RT2	18	4	37.5	205	205	256	137	20	104	120	15
65(2-1/2")	65	145	185	75	R2-1/2	18	4	43.5	228	228	282	190	20	140	150	10
80(3")	78	160	200	90	R3	18	8	51.0	270	270	330	230	23	165	184	10
100(4")	102	180	220	110	R4	18	8	61.0	324	324	385	274	23	172	226	10

※ 本尺表以PVC材質為基準 本表試壓值以PVC、PVDF材質為基準PP材質試壓值為本表試壓值之70%

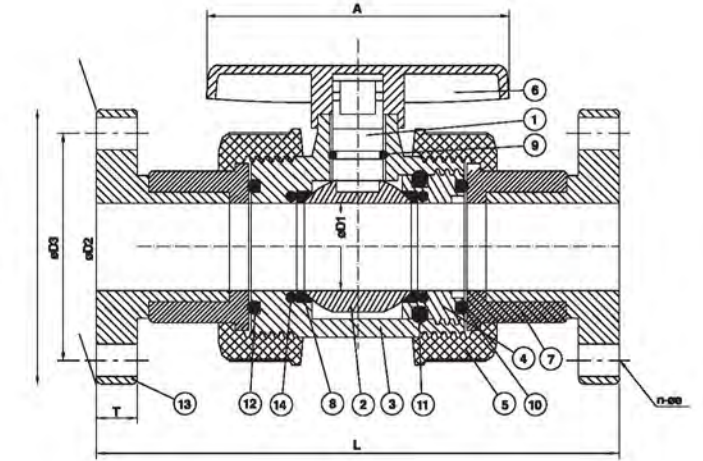
※ The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC PVDF materials.
The value of test pressure for PP material is 70% based on this table.



TRUE UNION (DOUBLE UNION) BALL VALVE



SOCKET & THREAD TYPE



FLANGE TYPE

CD Series

雙油任球閥

CD100 SOCKET/ CD200 THREAD/ CD300 FLANGE
Size: 1/2" - 4"

本產品榮獲NSF 14/NSF 61認證合格

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	STEM	1	UPVC,PP,CPVC,PVDF	8	SEAT	2	PTFE
2	BALL	1	UPVC,PP,CPVC,PVDF	9	STEM O-RING	(1).DN15-50 (2).DN65-100	EPDM,VITON
3	BODY	1	UPVC,PP,CPVC,PVDF	10	SEAT CARRIER O-RING	1	EPDM,VITON
4	SEAT CARRIER	1	UPVC,PP,CPVC,PVDF	11	BODY O-RING	1	EPDM,VITON
5	UNION NUT	2	UPVC,PP,CPVC,PVDF	12	SOLID END O-RING	1	EPDM,VITON
6	HANDLE	1	ABS	13	FLANGE	2	UPVC,PP,CPVC,PVDF
7	END CONNECTOR	2	UPVC,PP,CPVC,PVDF				

DIMENSIONS TABLE

JIS															Unit:mm	
Nom Size DN-Inch	D1	D2	D3	d		øe	n	P	L			A	T	H	B	Test Press kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	15	70	95	22	PT1/2	15	4	22.2	113	113	151	82	15	51	47	15
20(3/4")	20	75	100	26	PT3/4	15	4	25.4	131	131	171	101	15	64	61	15
25(1")	25	90	125	32	PT1	19	4	28.6	146	146	190	110	17	70	70	15
32(1-1/4")	38	100	135	38	PT1-1/4	19	4	31.8	186	186	232	126	17	83	93	15
40(1-1/2")	38	105	140	48	PT1-1/2	19	4	34.9	186	186	232	126	17	83	93	15
50(2")	48	120	155	60	PT2	19	4	38.1	197	197	250	152	20	102	113	15
65(2-1/2")	65	140	175	76	PT2-1/2	19	4	44.5	228	228	282	190	20	140	150	10
80(3")	78	150	185	89	PT3	19	8	47.6	270	270	330	230	23	165	184	10
100(4")	102	175	210	114	PT4	19	8	57.2	324	324	385	274	23	172	226	10

DIMENSIONS TABLE

ANSI															Unit:Inch	
Nom Size DN-Inch	D1	D2	D3	d		øe	n	P	L			A	T	H	B	TestPress lb/in ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	0.591	2.375	3.500	0.848	NPT1/2	0.625	4	0.875	4.448	4.448	5.944	3.228	0.590	2.007	1.850	222
20(3/4")	0.78	2.750	3.875	1.058	NPT3/4	0.625	4	1.000	5.157	5.157	6.732	3.976	0.590	2.250	2.402	222
25(1")	0.984	3.125	4.250	1.325	NPT1	0.625	4	1.125	5.748	5.748	7.480	4.370	0.669	2.755	2.755	222
32(1-1/4")	1.496	3.500	4.625	1.670	NPT1-1/4	0.625	4	1.250	7.320	7.320	9.133	4.961	0.669	3.268	3.661	222
40(1-1/2")	1.496	3.875	5.000	1.912	NPT1-1/2	0.625	4	1.375	7.320	7.320	9.133	4.961	0.700	3.268	3.661	222
50(2")	1.89	4.750	6.000	2.387	NPT2	0.750	4	1.500	7.756	7.756	9.842	5.984	0.820	4.016	4.449	222
65(2-1/2")	2.56	5.500	7.000	2.889	NPT2-1/2	0.750	4	1.750	8.976	8.976	11.102	7.480	0.787	5.512	5.905	148
80(3")	3.071	6.000	7.500	3.515	NPT3	0.750	4	1.875	10.629	10.629	12.992	9.055	0.905	6.496	7.244	148
100(4")	4.01	7.500	9.000	4.518	NPT4	0.750	8	2.250	12.755	12.755	15.157	10.787	0.905	6.772	10.31	148

DIN															Unit:mm	
Nom Size DN-Inch	D1	D2	D3	d		øe	n	P	L			A	T	H	B	TestPress kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	15	65	95	20	R1/2	14	4	16.0	113	113	151	82	15	51	47	15
20(3/4")	20	75	105	25	R3/4	14	4	18.5	121	131	171	101	15	64	61	15
25(1")	25	85	115	32	R1	14	4	22.0	146	146	190	110	17	70	70	15
32(1-1/4")	38	100	140	40	R1-1/4	18	4	26.0	186	186	232	126	17	83	93	15
40(1-1/2")	38	110	150	50	R1-1/2	18	4	31.0	186	186	232	126	17	83	93	15
50(2")	48	125	165	63	RT2	18	4	37.5	197	197	250	152	20	102	113	15
65(2-1/2")	65	145	185	75	R2-1/2	18	4	43.5	228	228	282	190	20	140	150	10
80(3")	78	160	200	90	R3	18	8	51.0	270	270	330	230	23	165	184	10
100(4")	102	180	220	110	R4	18	8	61.0	324	324	385	274	23	172	226	10

※ 本尺寸表以PVC材質為基準 本表試驗值以PVC、PVDF材質為基準 PP材質試驗值為本表試驗值之70%

※ The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC PVDF materials.
The value of test pressure for PP material is 70% based on this table.



SAFETY BLOCK TRUE UNION BALL VALVE(NEW)



CA Series

新型安全雙由任球閥

**CA100 Socket/ CA200 Thread/ CA300 Flanged
Size: 1/2" - 4"**

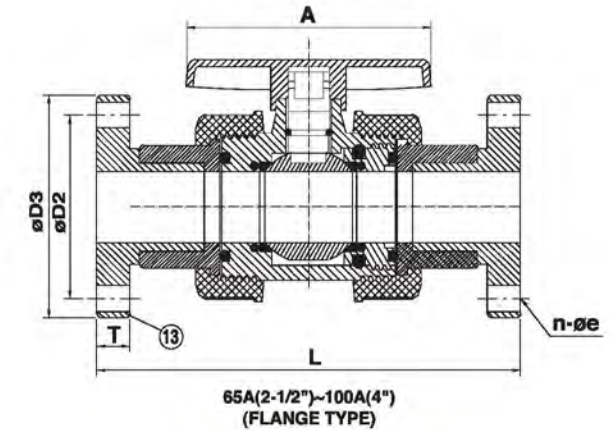
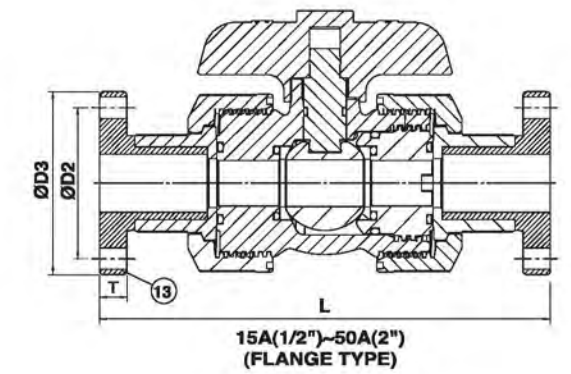
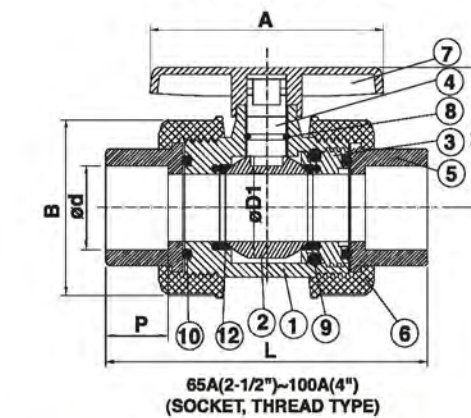
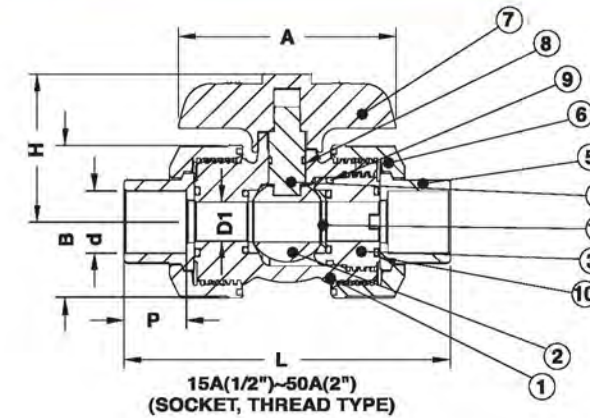
- Low Operation Torque
- The Key Design on the handle to remove the threaded seat cartridge easily.
- Nice, neat outer appearance design.

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Body	1	UPVC, PP, CPVC, PVDF	8	Stem O'ring	15A-50A1 65A-100A2	EPDM,VITON
2	Ball	1	UPVC, PP, CPVC, PVDF	9	Body O'ring	1	EPDM,VITON
3	Sea Carrier	1	UPVC, PP, CPVC, PVDF	10	Seat Carrier O'ring	1	EPDM,VITON
4	Stem	1	UPVC, PP, CPVC, PVDF	12	Seat	2	TEFLON
5	End Connector	2	UPVC, PP, CPVC, PVDF	13	Flanges	2	UPVC, PP, CPVC, PVDF
6	Union Nut	2	UPVC, PP, CPVC, PVDF				
7	Handle	1	ABS				

DIMENSIONS TABLE

JIS															Unit:mm	
Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
1/2"	14.3	70	95	22	PT1/2	15	4	22.23	117	117	156	77	15	55	54.5	15
3/4"	19.2	75	100	26	PT3/4	15	4	25.4	133	133	173	85	16	60	65.3	15
1"	25.8	90	125	32	PT1	19	4	28.58	149	149	196	98	17	71	73	15
1-1/4"	38	100	135	38	PT1-1/4	19	4	31.75	172.5	172.5	218	109	17	75	81	15
1-1/2"	38	105	140	48	PT1-1/2	19	4	34.93	190	190	236	118	17	95	98	15
2"	48	120	155	60	PT2	19	4	38.10	204.5	204.5	255	137	20	104	120	15
2-1/2"	65	140	175	76	PT2-1/2	19	4	44.45	228	228	282	190	20	140	150	10
3"	78	150	185	89	PT3	19	8	47.63	270	270	330	230	23	165	184	10
4"	102	175	210	114	PT4	19	8	57.15	324	324	385	274	23	172	226	10



DIMENSIONS TABLE

ANSI															Unit:inch	
Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press lb/in ²
				Socket	Thread				Socket	Thread	Flange					
1/2"	0.563	2.375	3.500	0.848	NPT1/2	0.625	4	0.875	4.57	4.57	6.06	3.03	0.591	2.17	2.17	222
3/4"	0.756	2.750	3.875	1.058	NPT3/4	0.625	4	1.000	5.24	5.24	6.54	3.35	0.630	2.36	2.56	222
1"	1.016	3.125	4.250	1.325	NPT1	0.625	4	1.125	5.87	5.87	7.60	3.86	0.669	2.80	2.87	222
1-1/4"	1.496	3.500	4.625	1.670	NPT1-1/4	0.625	4	1.250	6.77	6.77	8.58	4.29	0.669	2.95	3.19	222
1-1/2"	1.496	3.875	5.000	1.912	NPT1-1/2	0.625	4	1.375	7.48	7.48	9.29	4.65	0.709	3.74	3.86	222
2"	1.886	4.750	6.000	2.387	NPT2	0.750	4	1.500	8.07	8.07	10.07	5.39	0.787	4.09	4.72	222
2-1/2"	2.560	5.500	7.000	2.889	NPT2-1/2	0.750	4	1.750	8.97	8.97	11.10	7.48	0.787	5.51	5.90	148
3"	3.070	6.000	7.500	3.515	NPT3	0.750	4	1.875	10.62	10.62	13.00	9.06	0.90	6.50	7.24	148
4"	4.01	7.500	9.000	4.518	NPT4	0.750	8	2.250	12.76	12.76	15.15	10.79	0.90	6.77	10.31	148

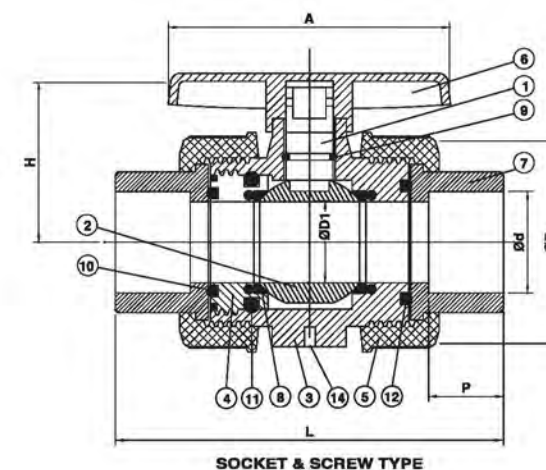
DIN																Unit:mm
Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
1/2"	14.3	65	95	20	R1/2	14	4	16.0	117	117	156	77	15	55	54.5	15
3/4"	19.2	75	105	25	R3/4	14	4	18.5	133	133	173	85	16	60	65.3	15
1"	25.8	85	115	32	R1	14	4	22.0	149	149	196	98	17	71	73	15
1-1/4"	38	100	140	40	R1-1/4	18	4	26.0	172.5	172.5	218	109	17	75	81	15
1-1/2"	38	110	150	50	R1-1/2	18	4	31.0	190	190	236	118	17	95	98	15
2"	48	120	165	63	RT2	18	4	37.5	204.5	204.5	255	137	20	104	120	15
2-1/2"	65	145	185	75	R2-1/2	18	4	43.5	228	228	282	190	20	140	150	10
3"	78	160	200	90	R3	18	8	51.0	270	270	330	230	23	165	184	10
4"	102	180	220	110	R4	18	8	61.0	324	324	385	274	23	172	226	10

※ 本尺表以PVC材質為基準 本表試壓值以PVC、PVDF材質為基準 PP材質試壓值為本表試壓值之70%

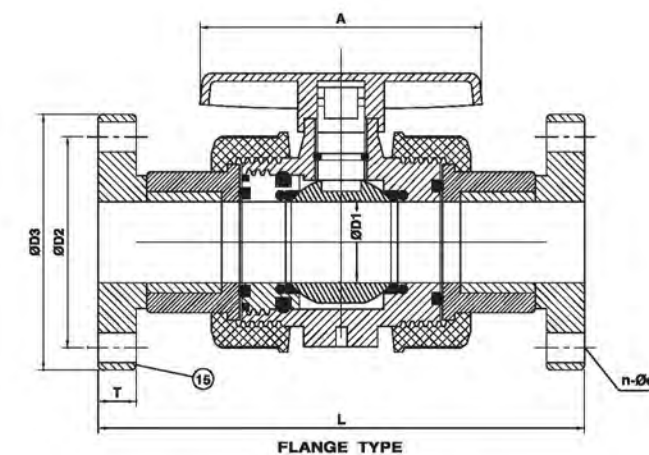
※ The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC PVDF materials.
The value of test pressure for PP material is 70% based on this table.



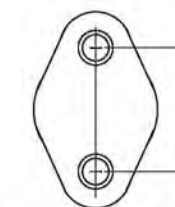
TRUE UNION SAFETY BLOCK BALL VALVE WITH MOUNTING PADS



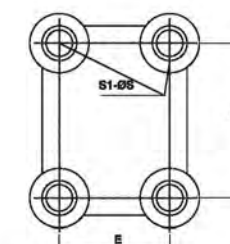
SOCKET & SCREW TYPE



FLANGE TYPE



(ON SIZE DN15~DN50)



(ON SIZE DN65~DN100)

END VIEW

Bolts inserted pad pattern

DIMENSIONS TABLE

ANSI																			Unit: inch	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	A	B	T	K	E	S	S1	Working press (lb/in ²)
				Socket	Thread				Socket	Thread	Flange									
15(1/2")	0.59	2.375	3.500	0.848	NPT1/2"	0.625	4	0.875	4.527	4.527	5.984	2.00	3.25	2.10	0.59	1.22	-	3/16"-24G	4	148
20(3/4")	0.748	2.750	3.875	1.058	NPT3/4"	0.625	4	1.000	5.039	5.039	6.417	2.48	3.98	2.48	0.59	1.45	-	1/4"-20G	4	148
25(1")	0.98	3.125	4.250	1.325	NPT 1"	0.625	4	1.125	5.669	5.669	7.36	2.83	4.40	2.84	0.66	1.57	-	1/4"-20G	4	148
32(1-1/4")	1.496	3.500	4.625	1.670	NPT1-1/4"	0.625	4	1.125	7.204	7.204	8.858	3.38	4.78	3.82	0.66	2.16	-	5/16"-18G	4	148
40(1-1/2")	1.496	3.875	5.000	1.912	NPT1-1/2"	0.625	4	1.375	7.204	7.204	9.133	3.38	4.78	3.82	0.75	2.16	-	5/16"-18G	4	148
50(2")	1.89	4.750	6.000	2.387	NPT 2"	0.750	4	1.500	7.952	7.952	9.960	3.93	5.88	4.68	0.83	2.67	-	5/16"-18G	4	148
65(2-1/2")	2.56	5.500	7.000	2.889	NPT2-1/2"	0.750	4	1.750	8.976	8.976	11.102	5.51	7.48	5.91	0.83	3.15	1.61	5/16"-18G	8	100
80(3")	3.07	6.000	7.500	3.515	NPT 3"	0.750	4	1.875	10.629	10.629	12.992	6.50	9.06	7.24	0.866	3.15	1.61	5/16"-18G	8	100
100(4")	4.01	7.500	9.000	4.518	NPT 4"	0.750	8	2.250	12.755	12.755	15.157	6.77	10.97	10.37	0.866	4.76	1.97	5/16"-18G	8	100

DIN																			Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	A	B	T	K	E	S	S1	Working press (kg/cm ²)
				Socket	Thread				Socket	Thread	Flange									
15(1/2")	15	65	95	20	R1/2"	14	4	16.0	115	115	152	51	82.7	53.2	15	31	-	3/16"-24G	4	10
20(3/4")	19	75	105	25	R3/4"	14	4	18.5	128	128	163	63	101.2	63	15	37	-	1/4"-20G	4	10
25(1")	25	85	115	32	R 1"	14	4	22.0	144	144	187	72	111.8	72.2	17	40	-	1/4"-20G	4	10
32(1-1/4")	38	100	140	40	R1-1/4"	18	4	26.0	183	183	225	86	121.4	97	17	55	-	5/16"-18G	4	10
40(1-1/2")	38	110	150	50	R1-1/2"	18	4	31.0	183	183	232	86	121.4	97	19	55	-	5/16"-18G	4	10
50(2")	48	120	165	63	R 2"	18	4	37.5	202	202	253	100	149.3	118.9	21	68	-	5/16"-18G	4	10
65(2-1/2")	65	145	185	75	R2-1/2"	18	4	43.5	228	228	282	140	190	150.1	21	80	41	5/16"-18G	8	7
80(3")	78	160	200	90	R 3"	18	8	51.0	270	270	327	165.1	230.1	183.9	22	80	41	5/16"-18G	8	7
100(4")	102	180	220	110	R 4"	18	8	61.0	324	324	385	172	274	226	22	121	50	5/16"-18G	8	7

※ 本尺表以PVC材質為基準 本表試壓值以PVC、PVDF材質為基準 PP材質試壓值為本表試壓值之70%

※ The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC/PVDF materials.
The value of test pressure for PP material is 70% based on this table.

MATERIALS OF CONSTRUCTION

NO.	Parts	Pcs.	Materials	NO.	Parts	Pcs.	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	8	SEAT	2	TEFLON
2	BALL	1	UPVC, PP, CPVC, PVDF	9	STEM O'RING	15A-50A 1 65A-100A 2	EPDM, VITON
3	BODY	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER O'RING	1	EPDM, VITON
4	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF	11	BODY O'RING	1	EPDM, VITON
5	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	SOLID END O'RING	1	EPDM, VITON
6	HANDLE	1	ABS	14	MOUNTING PAD (UP & DOWN)	15A-50A 4 65A-100A 8	BRASS, SUS304
7	END CONNECTOR	2	UPVC, PP, CPVC, PVDF	15	FLANGES	2	UPVC, PP, CPVC, PVDF

DIMENSIONS TABLE

JIS																			Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	A	B	T	K	E	S	S1	Working press (kg/cm ²)
				Socket	Thread				Socket	Thread	Flange									
15(1/2")	15	70	95	22	PT1/2"	15	4	22.2	115	115	152	51	82.7	53.2	15	31	-	3/16"-24G	4	10
20(3/4")	19	75	100	26	PT3/4"	15	4	25.4	128	128	163	63	101.2	63	15	37	-	1/4"-20G	4	10
25(1")	25	90	125	32	PT 1"	19	4	28.6	144	144	187	72	111.8	72.2	17	40	-	1/4"-20G	4	10
32(1-1/4")	38	100	135	38	PT1-1/4"	19	4	31.8	183	183	225	86	121.4	97	17	55	-	5/16"-18G	4	10
40(1-1/2")	38	105	140	48	PT1-1/2"	19	4	34.9	183	183	232	86	121.4	97	19	55	-	5/16"-18G	4	10
50(2")	48	120	155	60	PT 2"	19	4	38.1	202	202	253	100	149.3	118.9	21	68	-	5/16"-18G	4	10
65(2-1/2")	65	140	175	76	PT2-1/2"	19	4	44.5	228	228	282	140	190	150.1	21	80	41	5/16"-18G	8	7
80(3")	78	150	185	89	PT 3"	19	8	47.6	270	270	327	165.1	230	183.9	22	80	41	5/16"-18G	8	7
100(4")	102	175	210	114	PT 4"	19	8	57.2	324	324	385	172	274	226	22	121	50	5/16"-18G	8	7



TRUE UNION BALL VALVE (Butt Welding type)



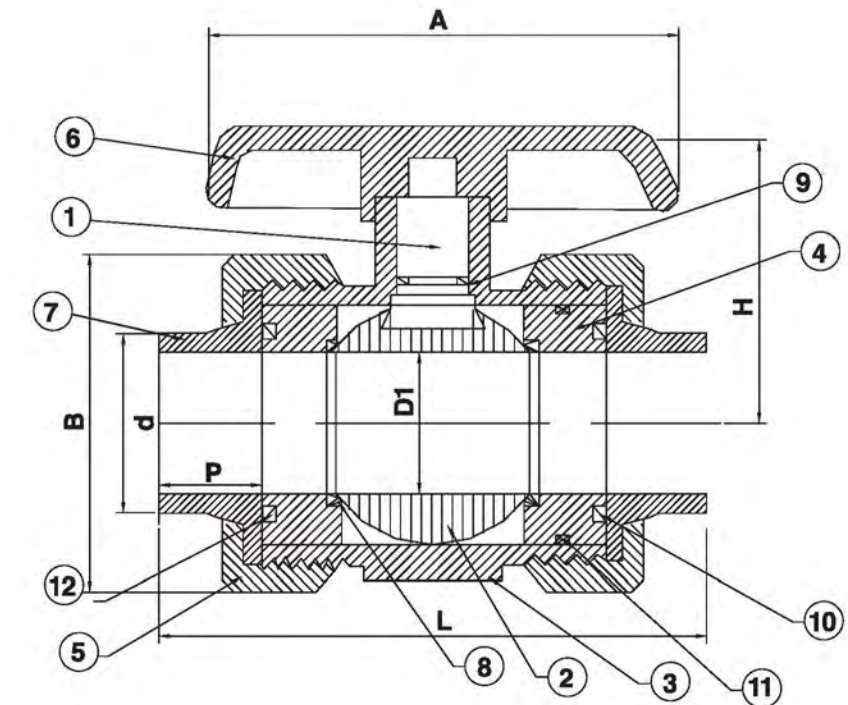
CW Series

雙由任球閥 (面對面焊接型)

CW100
Size: 1/2"-4"

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Material
1	STEM	1	PP,PVDF
2	BALL	1	PP,PVDF
3	BODY	1	PP,PVDF
4	SEAT CARRIER	1	PP,PVDF
5	UNION NUT	2	PP,PVDF
6	HANDLE	1	ABS
7	CONNECTOR	2	PP,PVDF
8	SEAT	2	PTFE
9	STEM O-RING	1.....DN15-50 2.....DN65-100	EPDM,VITON
10	SEAT CARRIER O-RING	1	EPDM,VITON
11	BODY O-RING	1	EPDM,VITON
12	SOLID END O-RING	1	EPDM,VITON



DN15~DN100

DIMENSIONS TABLE

Nom Size DN-inch	DIN							Unit:mm	
	D1	d	P	L	A	H	B	Working Pressure	Test Pressure
								kgf/cm ²	
15(1/2")	14	20	16.0	163	82	51	47	6.7	10
20(3/4")	19	25	18.5	174	101	64	60	6.7	10
25(1")	25	32	22.0	178.5	111	70	68	6.7	10
32(1-1/4")	38	40	26.0	192	126	83	80	6.7	10
40(1-1/2")	38	50	31.0	198	126	83	92	6.7	10
50(2")	49	63	37.5	208	152	102	111	6.7	10
65(2-1/2")	67	75	43.5	212.5	190	140	148	4.7	7
80(3")	78	90	51.0	309	230	165	181	4.7	7
100(4")	101	110	61.0	358	274	172	222	4.7	7



Other Type Ball Valve

其他球閥 系列

Hi -Tech'S, Hi-Qualitly'S

- Material: UPVC, PP, CPVC, PPG, PVDF
- Size: 1/2"~6"
- 材質：UPVC, PP, CPVC, PPG, PVDF
- 尺寸：1/2"~6"





SINGLE UNION BALL VALVE



CS Series

單由任球閥

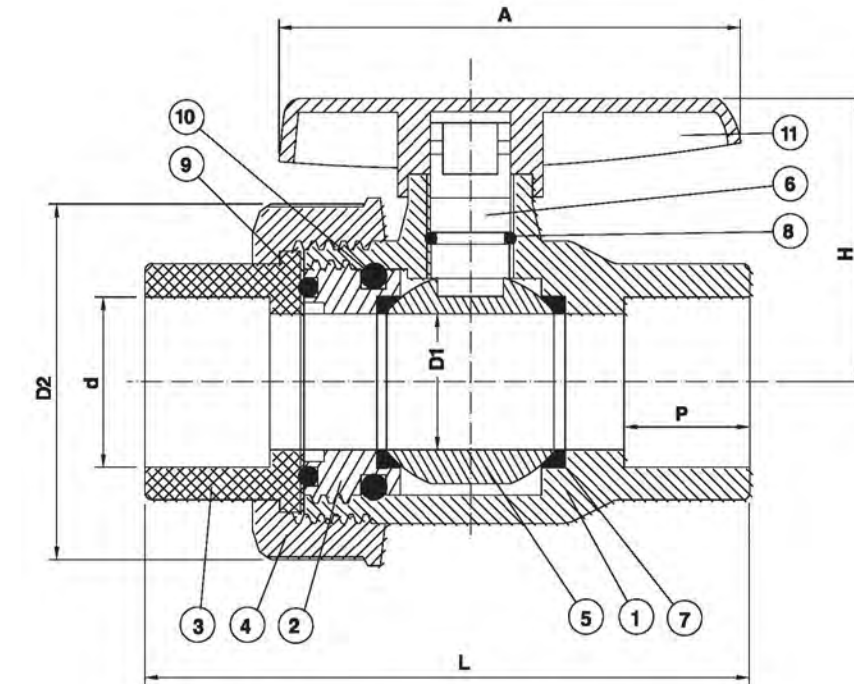
CS100 SOCKET / CS200 THREAD

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Body	1	UPVC, PP	7	Seat	2	PTFE
2	Seat Carrier	1	UPVC, PP	8	Stem O-ring	1	EPDM,VITON
3	End Connector	1	UPVC, PP	9	Seat Carrier O-ring	1	EPDM,VITON
4	Union Nut	1	UPVC, PP	10	Body O-ring	1	EPDM,VITON
5	Ball	1	UPVC, PP	11	Handle	1	ABS
6	Stem	1	UPVC, PP				

DIMENSIONS TABLE

JIS											Unit: mm
Nom DN	Size inch	D1	d		D2	L		P	H	A	Test press (kgf/cm ²)
			Socket	Thread		Socket	Thread				
15	1/2	15	22	PT1/2"	53	97	97	22.2	51	66	15
20	3/4	18	26	PT3/4"	64	111	111	25.4	65	75	15
25	1	25	32	PT 1"	73	122	122	28.6	71	85	15
32	1-1/4	39	38	PT1-1/4"	98	158	158	31.8	86	109	15
40	1-1/2	39	48	PT1-1/2"	98	158	158	34.9	86	109	15
50	2	48	60	PT 2"	117	173	173	38.1	104	134	15



DN15~DN50

DIMENSIONS TABLE

ANSI											Unit: inch
Nom DN	Size inch	D1	d		D2	L		P	H	A	Test press (lb/in ²)
			Socket	Thread		Socket	Thread				
15	1/2	0.59	0.840	NPT-1/2"	2.09	3.82	3.82	0.875	2.01	2.60	222
20	3/4	0.71	1.050	NPT-3/4"	2.52	4.37	4.37	1.000	2.56	2.95	222
25	1	0.98	1.315	NPT-1"	2.87	4.80	4.80	1.125	2.80	3.35	222
32	1 1/4	1.54	1.660	NPT1-1/4"	3.86	6.22	6.22	1.250	3.39	4.29	222
40	1 1/2	1.54	1.900	NPT1-1/2"	3.86	6.22	6.22	1.375	3.39	4.29	222
50	2	1.89	2.375	NPT-2"	4.61	6.81	6.81	1.500	4.09	5.29	222

DIN											Unit: mm
Nom DN	Size inch	D1	d		D2	L		P	H	A	Test press (kgf/cm ²)
			Socket	Thread		Socket	Thread				
15	1/2	15	22	R1/2"	53	97	97	16	51	66	15
20	3/4	18	25	R3/4"	64	111	111	18.5	65	75	15
25	1	25	32	R 1"	73	122	122	22.0	71	85	15
32	1 1/4	39	40	R1-1/4"	98	158	158	26.0	86	109	15
40	1 1/2	39	50	R1-1/2"	98	158	158	31.0	86	109	15
50	2	48	63	R 2"	117	173	173	37.5	104	134	15

※本表試壓以PVC材質為基準，PP材質試壓為本表試壓值之70%

※ The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC PVDF materials.
The value of test pressure for PP material is 70% based on this table.



SINGLE UNION BALL VALVE(Simple Type)



CP Series 單由任球閥 (簡單型)

CP100 SOCKET
CP200 THREAD

MATERIALS OF CONSTRUCTION

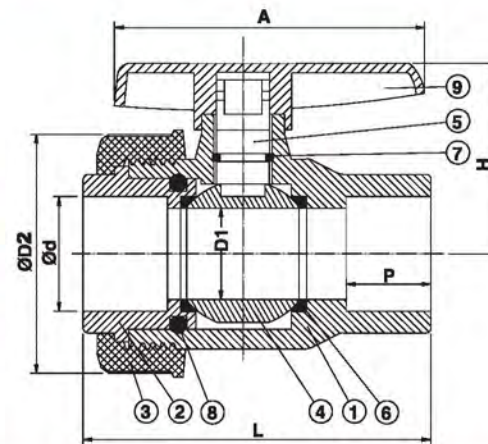
Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Body	1	UPVC	6	Seat	2	PTFE
2	Connector	1	UPVC	7	Stem O-ring	1	EPDM
3	Union Nut	1	UPVC	8	Body- O-ring	1	EPDM
4	Ball	1	UPVC	9	Handle	1	ABS
5	Stem	1	UPVC				

DIMENSIONS TABLE

JIS Unit: mm										
Nominal Pipe Size	Called Name	D1	d		D2	L		P	H	A
			Socket	Thread		Socket	Thread			
40 (1-1/2")		41	48	PT1-1/2"	95	121	121	34.9	84	109
50 (2")		50	60	PT 2"	133	133	133	38.1	101	134

ANSI Unit: inch										
Nominal Pipe Size	Called Name	D1	d		D2	L		P	H	A
			Socket	Thread		Socket	Thread			
40 (1-1/2")		1.614	1.900	NPT1/2"	3.740	4.764	4.764	1.375	3.307	4.291
50 (2")		1.969	2.375	NPT 2"	4.449	5.255	5.255	1.500	3.976	5.295

DIN Unit: mm										
Nominal Pipe Size	Called Name	D1	d		D2	L		P	H	A
			Socket	Thread		Socket	Thread			
40 (1-1/2")		41	50	R1-1/2"	95	121	121	31	84	109
50 (2")		50	63	R2"	113	133	133	37.5	101	134



BOLT UNION BALL VALVE



CI Series 理想型球閥

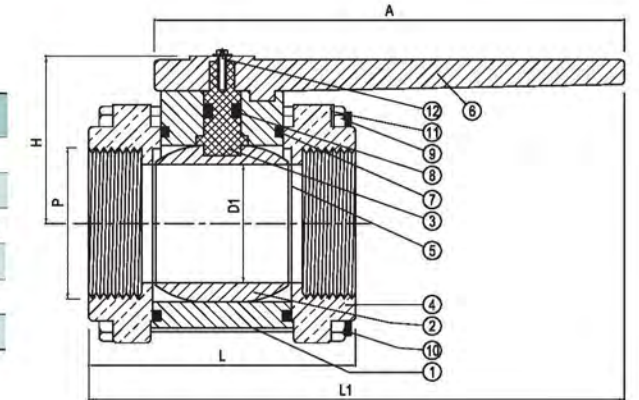
THREAD CI200

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Body	1	PPG	7	O-Ring	2	EPDM, VITON
2	Ball	1	PP, PPG	8	O-Ring	1	EPDM, VITON
3	Shaft	1	PPG	9	Bolt	1/2"-1 1/2" x 4	Zinc Plated Steel
4	End Cap	2	PPG	10	Washer	2"-3" x 6	Stainless Steel
5	Seat	2	TEFLON	11	Nut	4" x 8	Stainless Steel
6	Handle	1	PPG	12	Bolt	1	Zinc Plated Steel

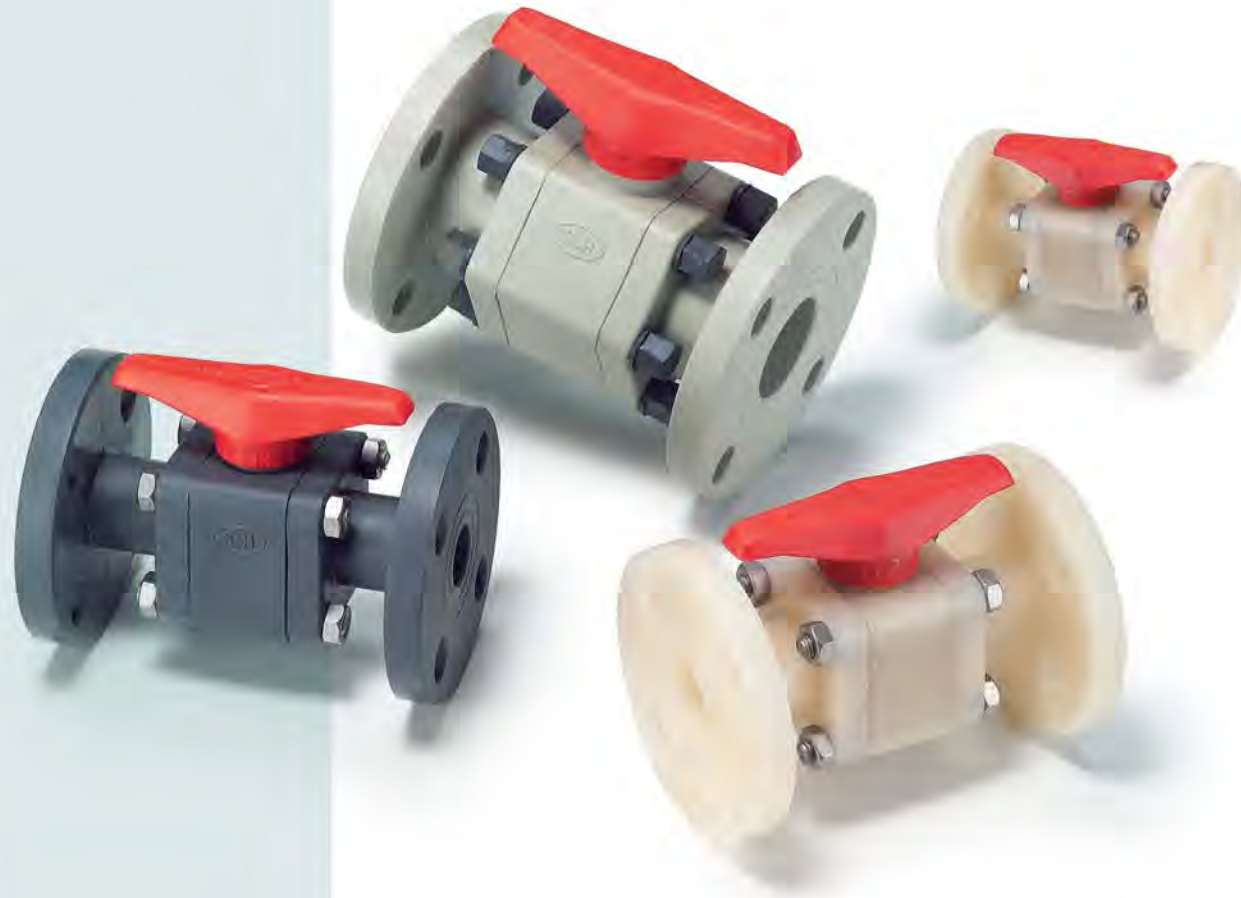
DIMENSIONS TABLE

Unit: mm													
Nominal Pipe Size	Called Name	D1	A	L	L1	P			L	H	Test Press		Working press (kgf/cm ²)
						JIS	ANSI	DIN			(kgf/cm ²)	(lb/in ²)	
1/2"-3/4"		19	92	84	119	PT 1/2"	NPT 1/2"	R 1/2"	21	54	15	222	10
3/4"-3/4"		19	92	84	119	PT 3/4"	NPT 3/4"	R 3/4"	21	54	15	222	10
1"-3/4"		19	92	84	119	PT 1"	NPT 1"	R 1"	21	54	15	222	10
1"-1"		25	132	99	167	PT 1"	NPT 1"	R 1"	22	63	15	222	10
1 1/4" - 1"		25	132	99	167	PT 1 1/4"	NPT 1 1/4"	R 1 1/4"	22	63	15	222	10
1 1/4" - 1 1/2"		39	181	113	208	PT 1 1/4"	NPT 1 1/4"	R 1 1/4"	26	70	15	222	10
1 1/2" - 1 1/2"		39	181	113	208	PT 1 1/2"	NPT 1 1/2"	R 1 1/2"	26	70	15	222	10
2" - 1 1/2"		39	181	113	208	PT 2"	NPT 2"	R 2"	26	70	15	222	10
2" - 2"		51	274	140	306	PT 2"	NPT 2"	R 2"	31	87	15	222	10
2 1/2" - 2 1/2"		48	153	149	205	PT 2 1/2"	NPT 2 1/2"	R 2 1/2"	28	106	15	222	10
3" - 3"		68	186	183	248	PT 3"	NPT 3"	R 3"	35	127	10	148	7
4" - 4"		85	276	244	244	PT 4"	NPT 4"	R 4"	50	170	10	148	7





STRONG UNION BALL VALVE



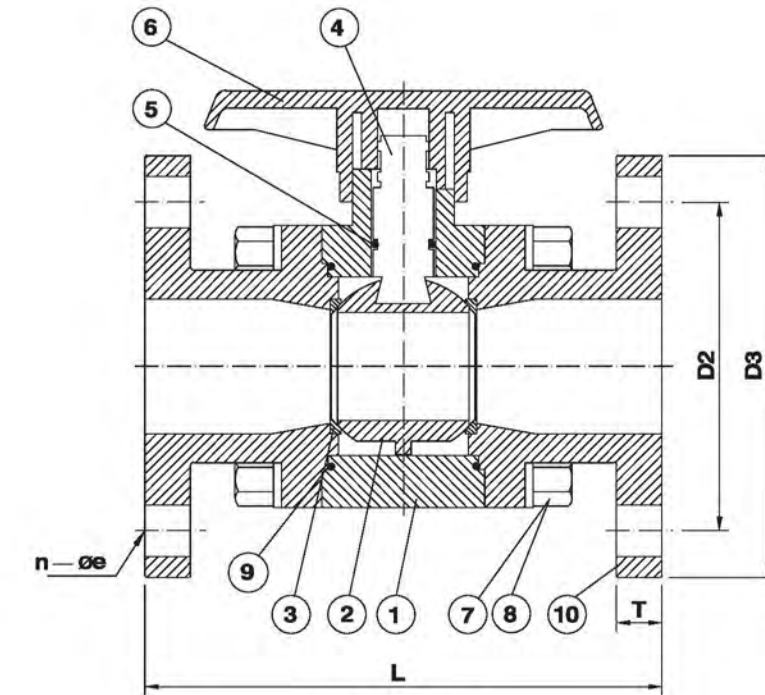
CG Series

強力型球閥

CG300
Size: DN15-DN150

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	Body	1	PVC, PP, PPG, PVDF	6	Handle	1	15A-100A ABS 125A-150A FC25
2	Ball	1	PVC, PP, PPG, PVDF	7	Bolt	15A-25A 4 40A-80A 6 100A 8 150A 10	Steel SUS-304
3	Seat	2	TEFLON	8	Nut		PVC COATED BRASS, 100-150 SUS304
4	Shaft	1	PVC, PP, PPG, PVDF	9	Flange O-Ring	2	EPDM, VITON
5	O-Ring	15A-32A 1 40A-150A 2	EPDM, VITON	10	Flange	2	PVC, PP, PPG, PVDF



DN15~DN150

SPECIFICATIONS:

1. Test Press: ① {15mm-1/2"~65mm-2 1/2"} : 15kgf/cm² (222 lb/in²)
② {80mm-3"~100mm-4"} : 10kgf/cm² (148 lb/in²)
③ {125mm-5"~150mm-6"} : 7kgf/cm² (105 lb/in²)

2. Working Press: ① {15mm-1/2"~65mm-2 1/2"} : 10kgf/cm² (148 lb/in²)
② {80mm-3"~100mm-4"} : 7kgf/cm² (105 lb/in²)
③ {125mm-5"~150mm-6"} : 5kgf/cm² (75 lb/in²)

DIMENSIONS TABLE

Standards Nom. size DN-Inch	JIS Unit:mm						ANSI Unit:inch						DIN Unit:mm					
	D3	D2	L Flange end	n	øe	T	D3	D2	L Flange end	n	øe	T	D3	D2	L Flange end	n	øe	T
15-1/2"	95	70	142	4	15	13	3.50	2.38	5.59	4	0.63	0.51	95	65	142	4	14	13
20-3/4"	100	75	152	4	15	15	3.88	2.76	5.98	4	0.63	0.59	105	75	152	4	14	15
25-1"	125	90	170	4	19	16	4.25	3.13	6.69	4	0.67	0.63	115	85	170	4	14	16
32-1-1/4"	135	100	170	4	19	16	4.62	3.50	6.69	4	0.71	0.63	140	100	170	4	18	16
40-1-1/2"	140	105	184	4	19	18	5.00	3.88	7.24	4	0.71	0.71	150	110	184	4	18	18
50-2"	155	120	192	4	19	18	6.00	4.74	7.56	4	0.67	0.71	165	125	192	4	18	18
65-2-1/2"	175	140	216	4	19	20	7.00	5.49	8.50	4	0.75	0.78	185	145	216	4	18	20
80-3"	185	150	245	8	19	20	7.50	6.00	9.64	4	0.75	0.78	200	160	245	8	18	20
100-4"	210	175	296	8	19	23	9.00	7.50	11.65	8	0.78	0.90	220	180	296	8	18	23
125-5"	250	210	395	8	23	24	10.00	8.50	15.55	8	0.87	0.94	250	210	395	8	18	24
150-6"	280	240	395	8	23	24	11.00	9.50	15.55	8	0.87	0.94	280	240	395	8	23	24

※ 本尺表以PVC材質為基準 本表試壓值以PVC、PVDF材質為基準 PP材質試壓值為本表試壓值之70%

The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC PVDF materials.
The value of test pressure for PP material is 70% based on this table.



NATURE BALL VALVE



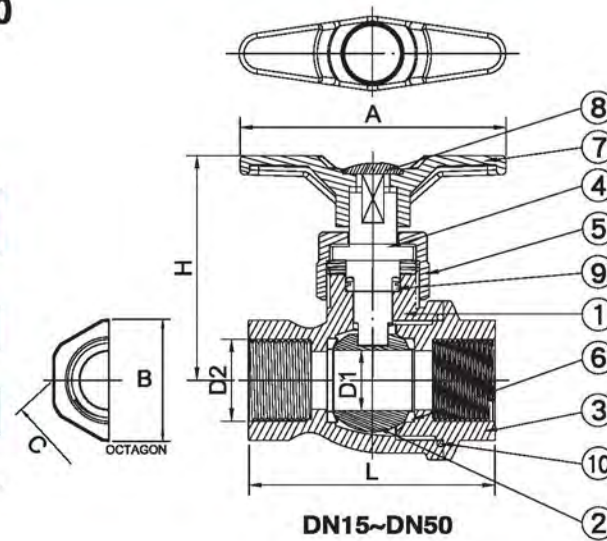
CN Series

自強型球閥

THREAD CN200
Size: DN15~DN50

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	Body	1	UPVC	6	Seat	1	TEFLON
2	Ball	1	UPVC	7	Handle	1	ABS
3	End Connector	1	UPVC	8	Cap	1	PP
4	Stem	1	UPVC	9	Stem O-ring	1	EPDM
5	Gland Nut	1	UPVC	10	Body O-ring	1	EPDM



DIMENSIONS TABLE

DIMENSIONS										Unit: mm
Nom. Size. DN-inch	D1	D2			L	H	A	B	C	Working press (kg/cm ²)
		JIS	ANSI	DIN						
15-1/2	13	PT1/2	NPT1/2	R1/2	80	77	88	35	32	10
20-3/4	19	PT3/4	NPT3/4	R3/4	89	80	88	45	41	10
25-1	25	PT1	NPT1	R 1	104	93	109	50	46	10
32-1 1/4	25	PT1 1/4	NPT1 1/4	R1 1/4	117	93	109	60	55	10
40-1 1/2	32	PT1 1/2	NPT1 1/2	R1 1/2	129	115	133	73	69	10
50-2	39	PT2	NPT2	R 2	149	120	133	83	79	10



LABCOCK BALL VALVE



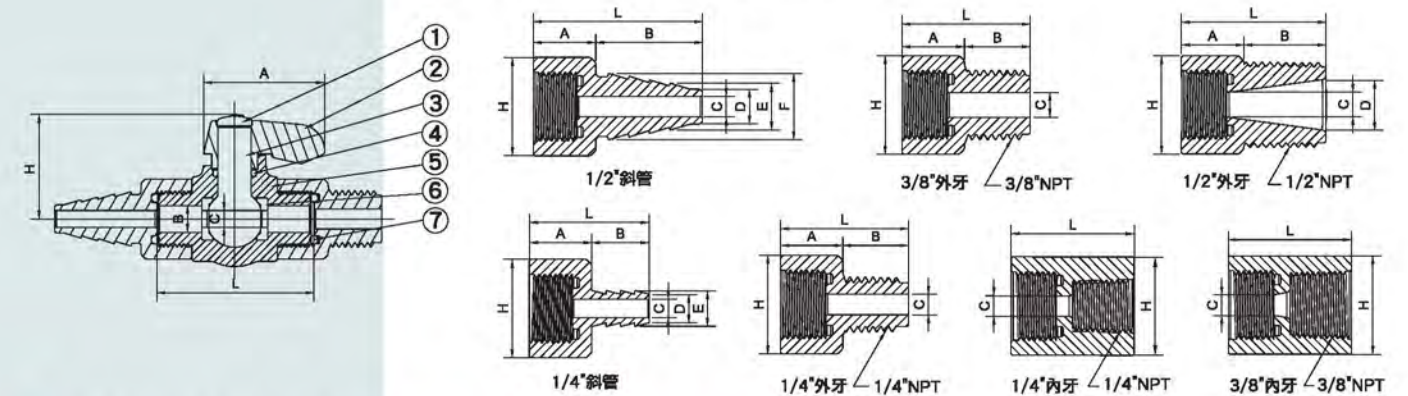
CL Series

實驗式球閥

Size: 1/4" - 3/8", Color: Grey or White

Other Available Combinations Choice:

- 1/4" Female x 1/4" Hose
- 1/4" Female x 3/8" Hose
- 3/8" Female x 1/4" Hose
- 3/8" Female x 3/8" Hose
- 1/4" Male x 1/4" Male
- 1/4" Male x 1/4" Hose
- 1/4" Male x 3/8" Hose
- 3/8" Male x 1/4" Hose
- 3/8" Male x 3/8" Hose
- 1/4" Hose x 1/4" Hose
- 3/8" Hose x 3/8" Hose



MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials
1	Cap	1	UPVC
2	Handle	1	ABS
3	Ball	1	UPVC
4	O-ring	1	EPDM
5	Body	1	UPVC
6	Seat	2	EPDM
7	Seat Carrier O-ring	1	EPDM

DIMENSIONS TABLE

DIMENSIONS										Unit: mm
Nom. Size. DN-inch	L	H	A	B	C	D	E	F	Working press (kg/cm ²)	
組合圖	37.68	25.04	29.04	6.4	4.0				10	
1/4" HOSE	41.2	24	15.2	26	5	8.5	11.35	11.65	10	
3/8" MPT	31.2	24	15.2	16	6				10	
1/2" MPT	35.24	24	15.2	20.04	5.95	12.1			10	
1/4" FPT	29.19	24	15.2	26	4.5	6.95	8.65		10	
1/4" MPT	31.2	24	15.2	16	5				10	
1/4" FPT	30	24			5				10	
3/8" FPT	30	24			5.11				10	



Plumbing Valve

Plumbing閥種 系列

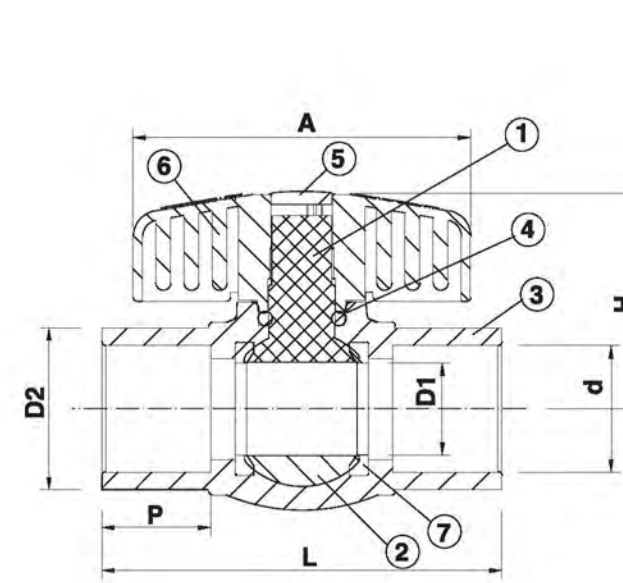
Hi-Tech'S, Hi-Qualitly'S

- Material: UPVC, PP, CPVC, PVDF
- Size: 1/2"~6"
- 材質：UPVC, PP, CPVC, PVDF
- 尺寸：1/2"~6"

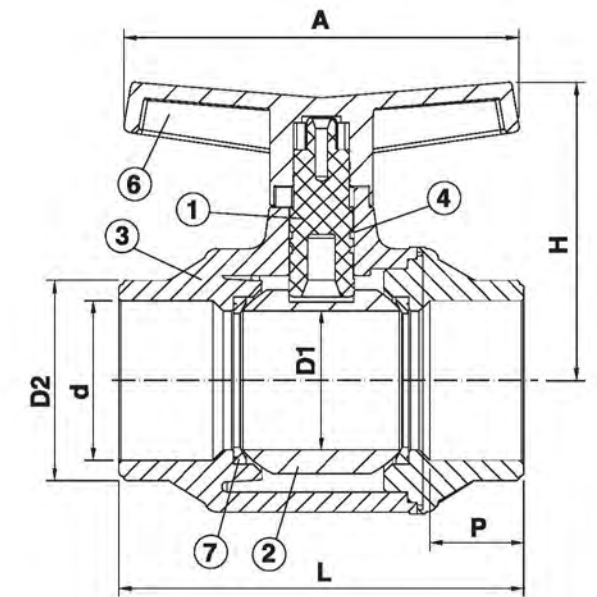




COMPACT BALL VALVE



DN15~DN50



DN65~DN150

CCSeries

緊密型球閥

CC100 SOCKET/ CC200 THREAD
Size:DN8~DN125

Compact Ball Valves Torque Value

SIZE	Torque Value(kgf/cm)			
	EPDM-SEAT		PTFE-SEAT	
	OPEN	CLOSE	OPEN	CLOSE
1/2"	12-22	12-22	10-20	20-30
3/4"	20-30	30-40	20-30	25-35
1"	26-36	43-53	30-40	30-40
1-1/4"	44-59	44-59	50-65	70-85
1-1/2"	50-65	60-75	47-62	60-75
2"	50-70	100-120	60-80	120-140
2-1/2"	80-100	70-90	-	-
3"	140-160	130-150	-	-
4"	160-180	150-170	-	-

1kgf/cm = 0.098 N.m

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Stem	1	UPVC, CPVC	5	Cap	2	ABS
2	Ball	1	UPVC, CPVC	6	Handle	1	ABS
3	Body	1	UPVC, CPVC	7	Seat	2	EPDM,PTFE
4	Stem O-ring	1	EPDM				

DIMENSIONS TABLE

Standards Nom. Size DN-inch	JIS									ANSI									DIN								
	Unit:mm									Unit:inch									Unit:mm								
	d			P	L	D2	H	A	Test Press. (kgf/cm²)	d			P	L	D2	H	A	Test Press. (lb/in²)	d			P	L	D2	H	A	Test Press. (kgf/cm²)
	D1	Socket	Thread							D1	Socket	Thread							D1	Socket	Thread						
15-1/2"	15	22	PT1/2	22.2	79	29	47	70	15	0.591	0.840	NPT1/2	0.875	3.110	1.141	1.850	2.756	222	15	20	R1/2	16.0	79	29	47	70	15
20-3/4"	20	26	PT 3/4	25.4	90.5	36.5	57	77	15	0.787	1.050	NPT3/4	1.000	3.562	1.427	2.244	3.031	222	20	25	R3/4	18.5	90.5	36.5	57	77	15
25-1"	25	32	PT1	28.6	106.5	43	61	89	15	0.984	1.315	NPT1	1.125	4.173	1.627	2.402	3.504	222	25	32	R1	22.0	106.5	43	61	89	15
32-1-1/4"	32	38	PT1-1/4	31.8	123	53	66	89	15	1.260	1.660	NPT1-1/4	1.250	4.842	2.086	2.598	3.504	222	32	40	R1-1/4	26.0	123	53	66	89	15
40-1-1/2"	39	48	PR1-1/2	34.9	129	61	74	111	15	1.535	1.900	NPT1-1/2	1.375	5.098	2.401	2.913	4.370	222	39	50	R1-1/2	31.0	129	61	74	111	15
50-2"	50	60	PT2	38.1	150.5	73	80	139	15	1.969	2.375	NPT2	1.500	5.925	2.874	3.150	5.472	222	50	63	R2	37.5	150.5	73	80	139	15
*65-2-1/2"	66	76	PT2-1/2	44.5	194	96	141	190	10	2.598	2.875	NPT2-1/2	1.750	7.638	3.780	5.550	7.48	148	66	75	R2-1/2	43.5	194	96	141	190	10
*80-3"	78	89	PT3	47.6	233	110	154	230	10	3.071	3.500	NPT3	1.875	9.173	4.331	6.063	9.005	148	78	90	R3	51.0	233	110	154	230	10
*100-4"	100	114	PT4	57.6	280	136	170	274	10	3.94	4.500	NPT4	2.250	11.00	5.35	6.7	10.79	148	100	110	R4	61.0	280	136	170	274	10
*125-5"	99	140	PT5	60.6	264	159	174	235	7	3.897	5.583	NPT5	3.000	10.393	6.260	6.870	9.215	100	99	125	R5	70	264	159	174	235	7
*150-6"	130	166	PT6	90	376	195.6	182	323	7	5.118	6.647	NPT6	3.541	14.794	7.696	7.161	12.72	100	130	160.2	R6	90	376	195.6	182	323	7



PP COMPACT BALL VALVE

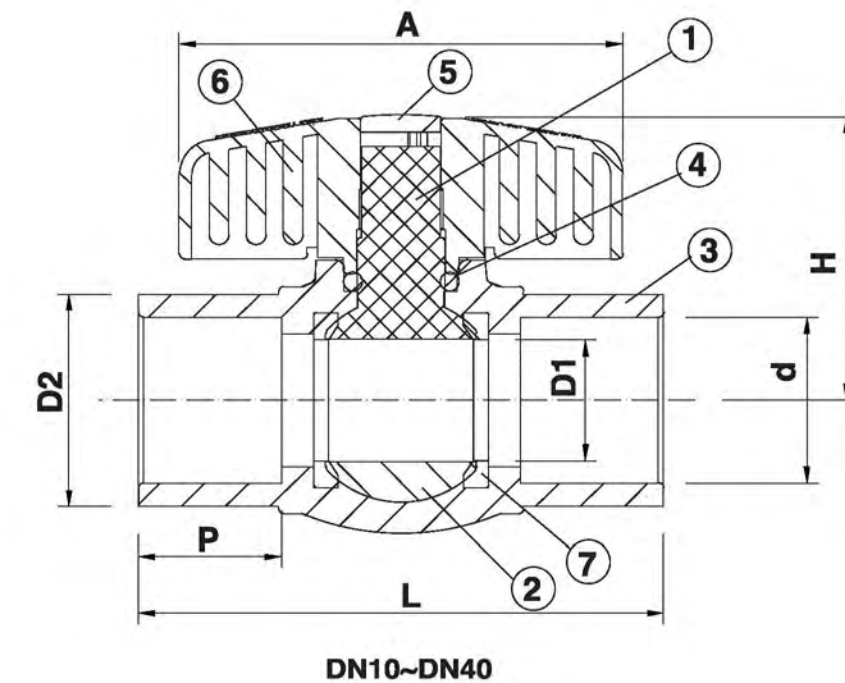


CE Series PP 緊密型球閥

Size: 3/8"-1 1/2" (DN10-DN40)
CE100 Socket, CE200 Thread

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	PP	5	CAP	1	ABS
2	BALL	1	PP	6	HANDLE	1	ABS
3	BODY	1	PP	7	SEAT	2	EPDM,PTFE
4	STEM O' ring	1	EPDM				



DIMENSIONS TABLE

Standards Nom. size DN-Inch	JIS										ANSI										DIN									
	Unit: mm										Unit: inch										Unit: mm									
	D1	d		P	L	D2	H	A	Test Press Kg/cm ²	D1	d		P	L	D2	H	A	Test Press lb/in ²	D1	d		P	L	D2	H	A	Test Press Kg/cm ²			
		Socket	Thread								Socket	Thread								Socket	Thread									
10- 3/8"	9	18	PT3/8	19.1	58	25	37	41	10	0.354	0.670	NP3/8	0.750	2.283	0.984	1.457	1.614	148	9	16	R3/8	14.0	58	25	37	41	10			
15- 1/2"	15	22	PT1/2	22.2	79	35	47	70	15	0.591	0.840	NP1/2	0.875	3.110	1.378	1.850	2.756	222	15	20	R1/2	16.0	79	35	47	70	15			
20- 3/4"	20	26	PT3/4	25.4	90	40	57	77	15	0.787	1.050	NP3/4	1.000	3.543	1.575	2.244	3.031	222	20	25	R3/4	18.5	90	40	57	77	15			
25- 1"	25	32	PT1	28.6	105	48	61	89	15	0.984	1.315	NP1	1.125	4.134	1.890	2.402	3.504	222	25	32	R1	22.0	105	48	61	89	15			
32- 1-1/4"	32	38	TP1 /4	31.8	121	54	66	89	15	1.260	1.660	NP1 1 /4	1.250	4.764	2.126	2.598	3.504	222	32	40	R1-1/4	26.0	121	54	66	89	15			
40- 1-1/2"	39	48	PT1 /2	34.9	127	62	74	111	15	1.535	1.990	NP1-1/2	1.375	5.000	2.441	2.913	0.984	222	39	50	R1-1/2	31.0	127	62	74	111	15			



CPVC-CTS COMPACT BALL VALVE



MALE THREADED COMPACT BALL VALVE

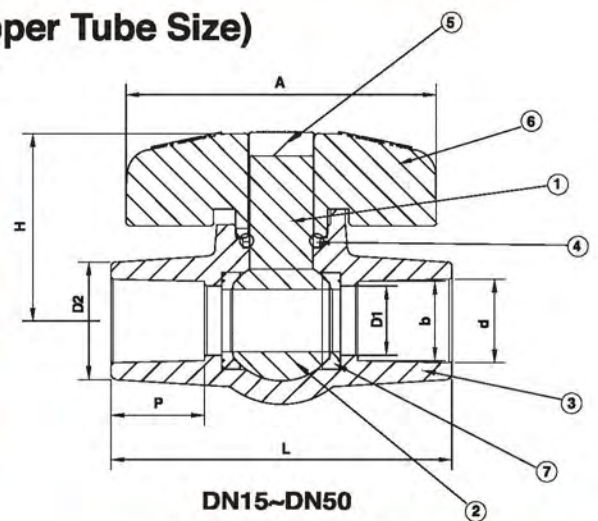


CTS Series 緊密型球閥 (熱水銅管用)

CTS100 SOCKET
Size: 1/2" - 2" (Copper Tube Size)

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials
1	Stem	1	CPVC
2	Ball	1	CPVC
3	Body	1	CPVC
4	Stem O'ring	2	EPDM
5	Cap	2	ABS
6	Handle	1	ABS
7	Seat	2	PTFE



DIMENSIONS TABLE

Standards Nom. Size DN-Inch	DIMENSIONS								Unit: Inch
	A	H	L	d	b	P	D1	D2	
15(1/2")	2.350	1.327	2.701	0.633	0.619	0.709	0.476	0.887	
20(3/4")	2.744	1.791	3.120	0.884	0.870	0.898	0.531	1.205	
25(1")	3.004	2.185	3.551	1.135	1.121	1.014	0.768	1.5	
32(1-1/4")	3.535	2.402	4.024	1.386	1.372	1.1	0.949	1.732	
40(1-1/2")	3.516	2.539	4.598	1.640	1.622	1.3	1.240	2.118	
50(2")	4.378	2.894	5.110	2.141	2.123	1.7	1.496	2.559	

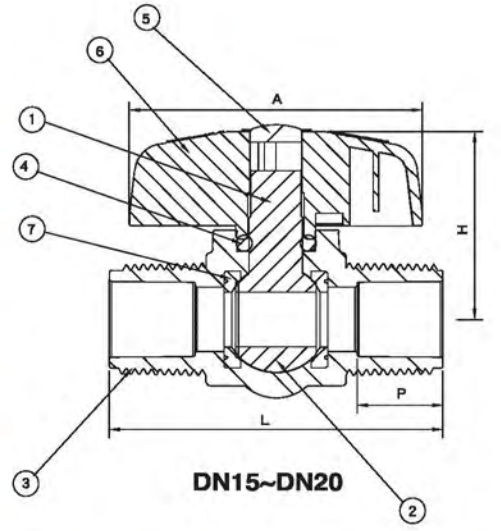


CM Series 雙外牙緊密型球閥

CM200
Size: 1/2", 3/4"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	UPVC	5	CAP	1	ABS
2	BALL	1	UPVC	6	HANDLE	1	ABS
3	BODY	1	UPVC	7	SEAT	2	EPDM,PTFE
4	STEM O' ring	1	EPDM				



DIMENSIONS TABLE

Standards Nom. size DN-inch	JIS							ANSI							DIN						
	Unit: mm							Unit: inch							Unit: mm						
	d	P	L	H	A	Test Press Kg/cm²		d	P	L	H	A	Test Press lb/in²		d	P	L	H	A	Test Press Kg/cm²	
15-1/2"	PT1/2	-	-	47	70	15		NP1/2	0.875	3.110	1.850	2.756	222		R1/2	16.0	79	47	70	15	
20-3/4"	PT3/4	-	-	57	77	15		NP3/4	1.000	3.543	2.244	3.031	222		R3/4	18.5	90	57	77	15	

Tel: 886-4-2828 8928 Fax: 886-4-2828 7188 E-mail: shihye@shihye.com.tw http://www.shihye.com.tw



UNION



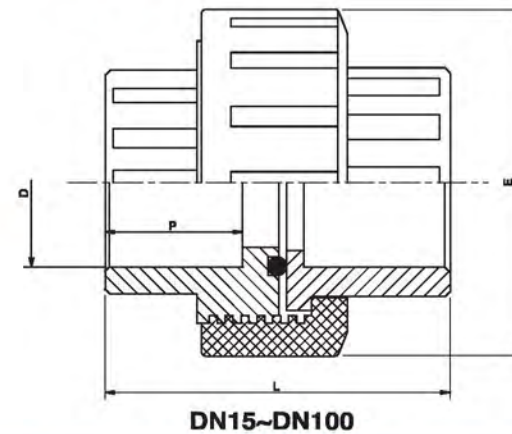
COMPRESSION COUPLING



EU Series 油任接頭

EU 100:SOCKET / EU 200: THREAD
Size: 1/2" to 4"

No.	零件	材質	數量
1	BODY	PVC, PP, CPVC, PVDF	1
2	UNION NUT	PVC, PP, CPVC, PVDF	1
3	END ONNRCTOR	PVC, PP, CPVC, PVDF	1
4	O'RING	EPDM,VITON	1



Nom.Size m/m(inch)	E	D			L		P		
		JIS	ANSI	DIN	S	TS	JIS	ANSI	DIN
15(1/2")	47	22	21.3	20	55	57	22.22	22.22	16.0
20(3/4")	61	26	26.7	25	68	64	25.40	25.40	18.5
25(1")	70	32	33.4	32	75	72	28.60	28.60	22.0
25(1")CNS	67	34	-	-	75	77	28.60	-	-
32(1-1/4")	81	38	42.2	40	81	81	31.70	31.70	26.0
32(1-1/4")CNS	89	42	-	-	92	92	31.70	-	-
40(1-1/2")	89	48	48.3	50	90	90	34.90	34.90	31.0
50(2")	101	60	60.3	63	102	102	38.10	38.10	37.5
65(2-1/2")	150	76	73.0	75	87	115	44.50	44.50	43.5
80(3")	184	89	88.9	90	118	136	47.60	47.60	51.0
100(4")	199	114	114.3	110	156	156	57.20	57.20	61.0

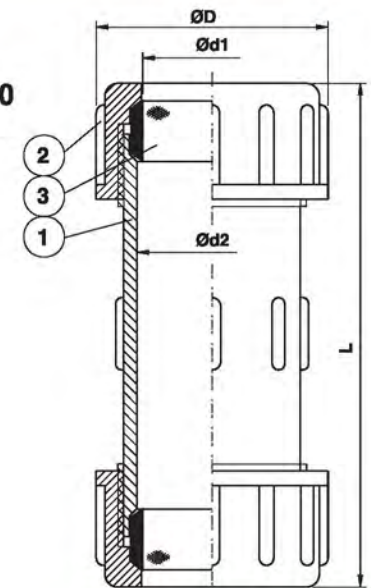
S:Screwed TS:Socket

EC Series 快速接頭

EC100
Size: 1/2" to 4" (IPS)

Specification: Schedule 40 & Schedule 80

- For use in any general piping applications, metal, plastic or copper pipe.
- Easy to operate for instant and emergency piping.



MATERIALS OF CONSTRUCTION

NO.	PART	MATERIAL	Q'TY
1	BODY	UPVC	1
2	UNION NUT	UPVC	2
2	SEAL	NBR + EPDM	2

DIMENSIONS TABLE

SIZE		15mm (1/2")	20mm (3/4")	25mm (1")	32mm (1-1/4")	40mm (1-1/2")	50mm (2")	65mm (2-1/2")	80mm (3")	100mm (4")
dl	D	43.6	49	57	66.9	73.2	88.6	110	130	160.5
	JIS	21.8	25.8	31.8	37.8	47.8	59.8	75.8	88.8	113.8
	ANSI	21.0	26.47	33.2	42.0	48.0	60.1	72.8	88.7	114.1
	DIN	20.1	25.2	32.2	40.2	50.2	63.2	75.2	90.2	110.2
	BS	20.1	26.4	33.2	41.8	47.9	60.0	75.0	88.5	113.9
d2		22.3	27.3	34.3	43	49.2	63.8	76.5	91.2	116
L		121	128	133	151	168	175	252	277	310



Butterfly Valve

蝶閥 系列

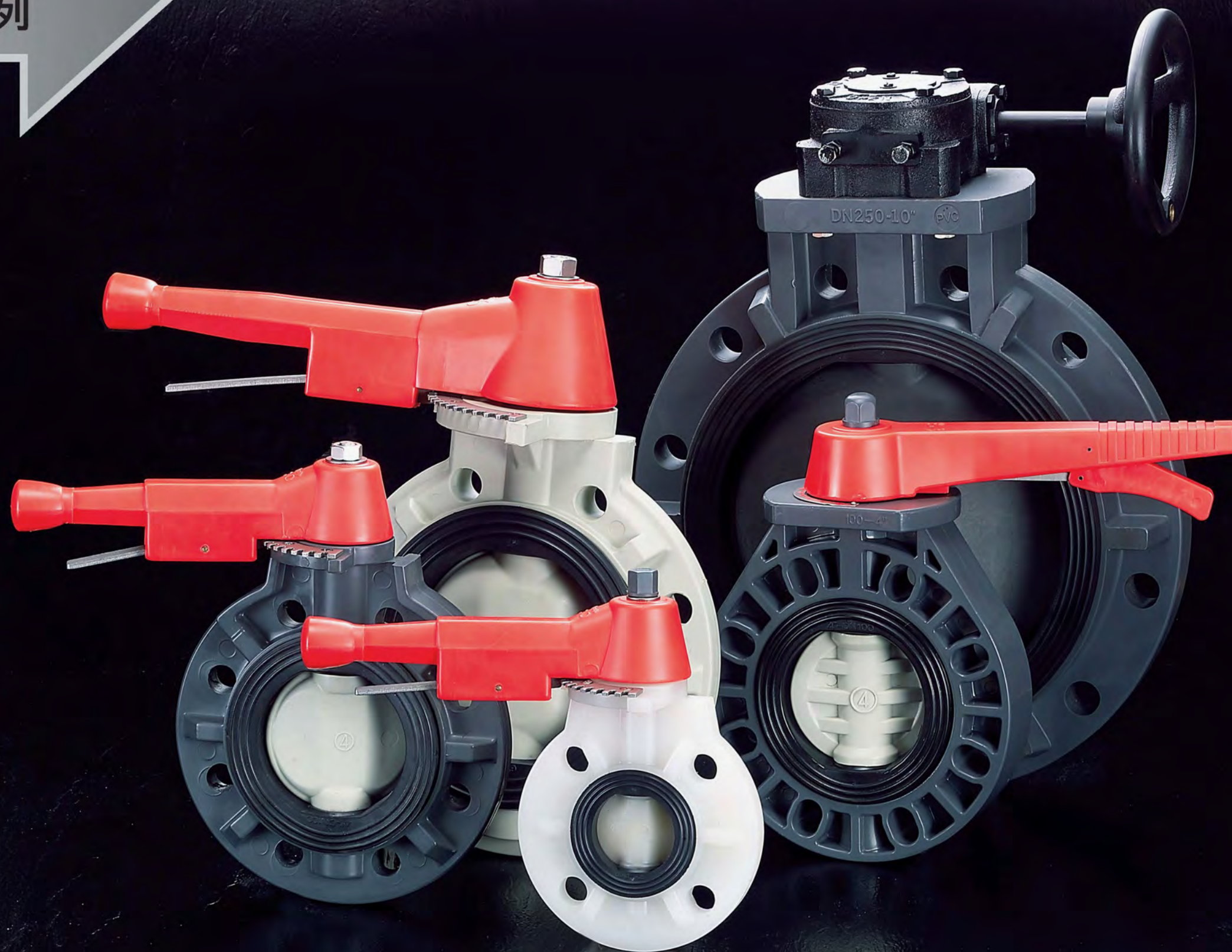
Hi-Tech'S, Hi-Qualitly'S

● Material: UPVC, PP, CPVC, PPG, PVDF

● Size: 2"~24"

● 材質：UPVC, PP, CPVC, PPG, PVDF

● 尺寸：2"~24"





SUPER LARGE SIZED BUTTERFLY VALVE



BS Series

耐酸、耐鹼多用途超大型旋轉凡而

BS300

Size: 28"- 60"

MATERIAL: FCD45, SS41, SUS304, SUS316, FC25+FRP, SS41+FRP

MODEL: Lever handle type (手輪式), Chaining type (鏈條式)

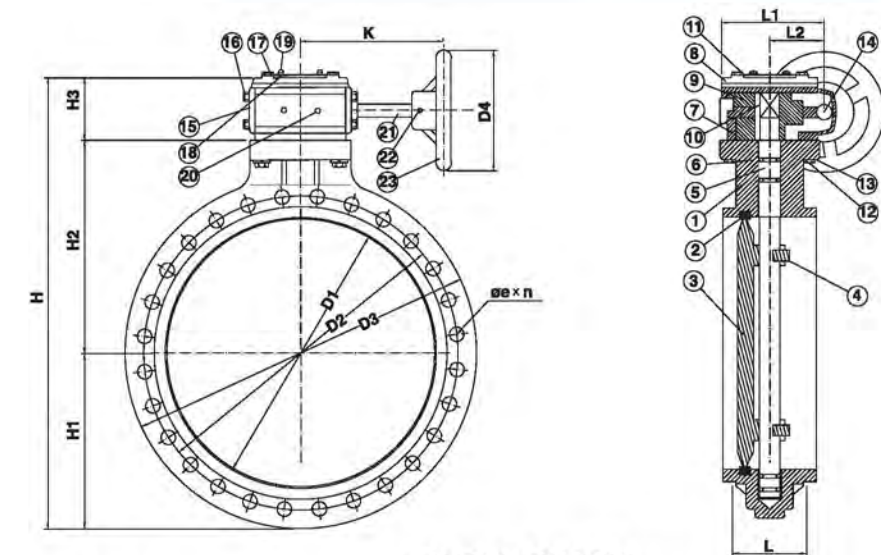
Hydraulic type (油壓式) Pneumatic type (氣壓式)

FEATURES:

- Fullport allowing max. fluid flow.全口徑、流量足
- ECONOMIC EQUIPMENT: Fluid control plate conealed in piping system, space saved,設備經濟、控制流量的活版、隱藏於管路中、佔管路配置極小的空間。
- EASY OPERATION-90° open and close, long duration,操作簡便, 90° 開關使用壽命長。
- WINE APPLICATION RANGE-Acid & alk all resistance, anti-corrosion, and suitable for fluid and air use.用途極廣, 可耐強酸, 強鹼並適用於液體及氣體。

MATERIALS OF CONSTRUCTION

No.	Parts	Materials	No.	Parts	Materials	No.	Parts	Materials
1	Boby	FCD45, SS41, SUS340, SUS316, FC25+FRP, SS41+FRP	9	Gear	FCD45(ASTM65-45-12)	17	Tightening Bolt For Box Cap	SS40, SUS304
2	seat	EPDM, CSM, VITON	10	Machine-Key	SS41	18	Indicator Plate	ALUMINUM
3	Disc	FCD45, SS41, SUS304, FC25+FRP, SS41+FRP	11	Oil Deal	EPDM, NBR	19	Tightening Bolt & Washer For Indicator Plate	SS41, SUS304
4	Bolt	SUS304, SUS316	12	Tightening Bolt For Gear Box	SCM3, SUS304	20	Adjustable Bolt	SS41, SUS304
5	Stem	SUS410, SUS316	13	WASHER	SS41, SUS304	21	Gearing	SS41, SUS304
6	Stem Seal	EPDM, VITON	14	Bearing	SMCM 200/420/810	22	Set Pin	SUS304
7	Gear Box	FC25	15	Front Side Cap	FC25	23	Hand Wheel	FC25
8	Box-Cap	FC25	16	Tightening Bolt For front Side Cap	SS41, SUS304			



DN700~DN1500

DIMENSIONS TABLE

JIS 5K												Unit:mm	
Nom. Size DN(Inch)	D1	D2	D3	n	øe	H1	H2	H3	I	K	D4	Air	Water
700(28)	680	820	867	24	27	532	590	120	1242	306	460	105	192
800(32)	780	930	985	24	33	587	620	120	1327	306	460	105	217
850(34)	820	980	1037	24	33	610	645	120	1375	306	460	120	217
900(36)	870	1030	1087	24	33	662	705	120	1487	306	460	120	217
1000(40)	970	1130	1187	28	33	722	750	120	1592	306	460	120	266
1200(48)	1190	1350	1413	32	33	872	880	120	1872	306	460	120	316
1350(54)	1330	1505	1568	32	33	970	1045	133	2148	337	460	150	341
1500(60)	1480	1660	1723	36	33	1070	1145	133	2348	337	460	150	341

JIS 10K												Unit:mm	
Nom. Size DN(Inch)	D1	D2	D3	n	øe	H1	H2	H3	I	K	D4	Air	Water
700(28)	680	840	895	24	33	532	590	120	1242	306	460	105	192
800(32)	780	950	1007	28	33	587	620	120	1327	306	460	105	217
850(34)	820	1000	1057	28	33	610	645	120	1375	306	460	120	217
900(36)	870	1050	1109	28	33	662	705	120	1487	306	460	120	217
1000(40)	970	1160	1225	28	39	722	750	120	1592	306	460	120	266
1200(48)	1190	1380	1449	32	39	872	880	120	1872	306	460	120	316
1350(54)	1330	1540	1615	36	45	970	1045	133	2148	337	460	150	341
1500(60)	1480	1700	1775	40	45	1070	1145	133	2348	337	460	150	341

ANSI												Unit:inch	
Nom. Size DN(Inch)	D1	D2	D3	n	øe	H1	H2	H3	I	K	D4	Air	Water
700(28)	26.77	34.00	36.24	28	1.37	20.95	23.23	4.72	48.90	12.04	18.11	4.13	7.55
800(32)	30.71	38.50	41.06	28	1.62	23.11	24.41	4.72	52.24	12.04	18.11	4.13	8.54
850(34)	32.28	40.50	43.06	32	1.62	24.02	25.39	4.72	54.14	12.04	18.11	4.72	8.54
900(36)	34.25	42.75	45.39	32	1.62	26.06	27.76	4.72	58.55	12.04	18.11	4.72	8.54
1000(40)	38.19		48.23			38.43	29.53	4.72	62.68	12.04	18.11	4.72	10.47
1200(48)	46.85		57.05			34.33	34.65	4.72	73.70	12.04	18.11	4.72	12.44
1350(54)	52.36		63.58			38.19	41.14	5.24	84.57	13.26	18.11	5.90	13.42
1500(60)	58.27		69.88			42.13	45.08	5.24	92.45	13.26	18.11	5.90	13.42

DIN												Unit:mm	
Nom. Size DN(Inch)	D1	D2	D3	n	øe	H1	H2	H3	I	K	D4	Air	Water
700(28)	680	840	892	24	30	532	590	120	1242	306	460	105	192
800(32)	780	950	1007	24	33	587	620	120	1327	306	460	105	217
850(34)	820		1057			610	645	120	1375	306	460	120	217
900(36)	870	1050	1109	28	33	662	705	120	1487	306	460	120	217
1000(40)	970		1225			722	750	120	1592	306	460	120	266
1200(48)	1190		1449			872	880	120	1872	306	460	120	316
1350(54)	1330		1615			970	1045	133	2148	337	460	150	341
1500(60)	1480		1775			1070	1145	133	2348	337	460	150	341

※ Standard dimensions based on PVC material



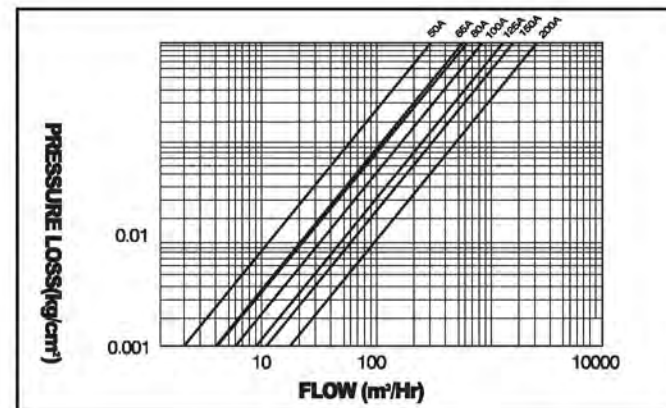
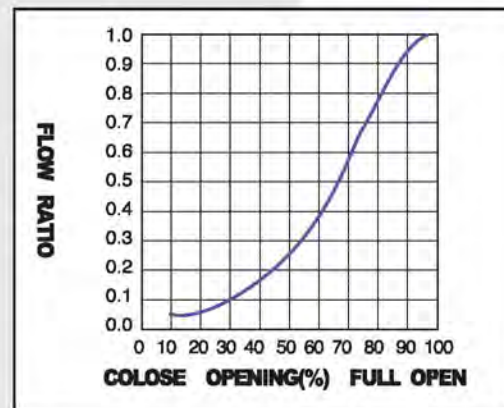
BUTTERFLY VALVE Lever handle type



BB Series 旋轉凡而 (手把式)

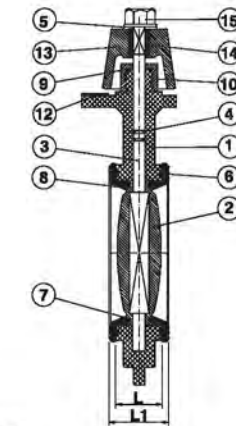
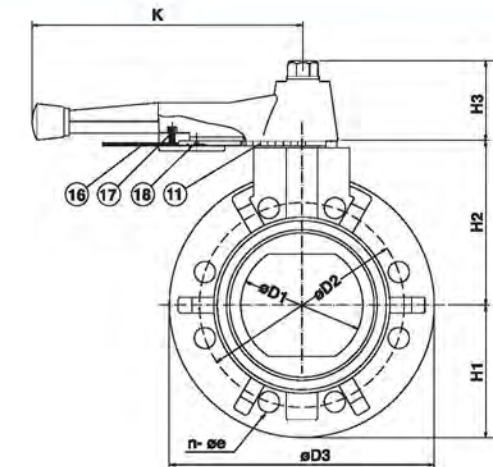
BB300
Size: 2" - 8"

options: 8" (DN200) GEAR OPERATOR TYPE



MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, PPG, PVDF, CPVC	10	Retainer Cap	1	UPVC, PP, PVDF
2	Disc	1	UPVC, PP, PPG, PVDF, CPVC	11	Positioner	1	SUS304
3	Stem	1	SUS410, SUS316, SUS304	12	Screw	3. DN50-200 4. DN200	SUS304
4	Stem O-ring	2	EPDM, VITON	13	Handle	1	ABS
5	Washer	1	SUS304	14	Inserted Metal Of Handle	1	FC0208
6	Seat	1	EPDM, VITON, NBR, HYPALON	15	Nut	1	PVC COATED BRASS, SUS304
7	Disc O-ring(1)	2	EPDM, VITON	16	Handle Lever	1	SUS304
8	Disc O-ring(2)	2	EPDM, VITON	17	Spring	1	SUS304
9	Stem Retainer	1	SUS304	18	Set Pin	1	BSBM



DN50~DN200

TORQUE VALUES (1kgf/m=9.8N.m)

BF-V'S Size	Torque Under Without Any Water Pressure (Kgfm)	Under Water Testing Pressure(Kg/cm ²)			BF-V'S Size	Torque Under Without Any Water Pressure (Kgfm)	Under Water Testing Pressure(Kg/cm ²)		
		Water Pressure(Kg/cm ²)	Open Torque(Kgfm)	Close Torque(Kgfm)			Water Pressure(Kg/cm ²)	Open Torque(Kgfm)	Close Torque(Kgfm)
2"	1.5	15	0.5	0.5	10"	17.0	8	7	10
2-1/2"	1.5	15	0.5	0.5	12"	27.0	6	14	18
3"	2.0	15	1	1.5	14"	37.0	6	25	28
4"	2.0	12	1	1.5	16"	42.0	-	-	-
5"	5.0	12	2.5	4.5	18"	52.0	-	-	-
6"	6.5	12	4	7	20"	65.0	-	-	-
8"	10.0	10	6	8.5	24"	76.0	-	-	-

DIMENSIONS TABLE

JIS														Unit: mm	
Nom. Size DN(Inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	I	K	Test Press (kgf/cm ²)		Working Press. (kgf/cm ²)
													Body	Seat	
50(2")	57	120	160	19	4	35	42	83	102	68	253	220	15.0	12.0	10.0
65(2 1/2")	72	140	184	19	4	37	46	92	110	68	270	220	15.0	12.0	10.0
80(3")	80	150	200	19	8	37	46	100	118	68	286	220	15.0	12.0	10.0
100(4")	100	175	230	19	8	47	56	115	134	68	312	220	15.0	12.0	10.0
125(5")	130	210	250	23	8	57	66	127	160	96	391	310	15.0	12.0	10.0
150(6")	150	240	290	23	8	62	71	145	177	96	418	310	15.0	12.0	10.0
200(8")	203	290	337	23	12	76	87	168	204	93	476	414	15.0	12.0	10.0

ANSI														Unit: inch	
Nom. Size DN(inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	I	K	Test Press (kgf/cm ²)		Working Press (lb/in ²)
													Body	Seat	
50(2")	2.24	4.75	6.29	0.75	4	1.38	1.65	3.27	4.01	2.68	9.96	8.66	222	177	150
65(2 1/2")	2.83	5.50	7.24	0.75	4	1.46	1.81	3.62	4.33	2.68	10.63	8.66	222	177	150
80(3")	3.15	6.00	7.87	0.75	4	1.46	1.81	3.94	4.64	2.68	11.26	8.66	222	177	150
100(4")	3.93	7.50	9.06	0.75	8	1.85	2.20	4.53	5.28	2.68	124.8	8.66	222	177	150
125(5")	5.12	8.50	9.84	0.87	8	2.24	2.60	5.00	6.30	3.78	15	12.20	222	177	150
150(6")	5.90	9.50	11.42	0.87	8	2.44	2.80	5.71	6.97	3.78	16.76	12.20	222	177	150
200(8")	7.99	11.75	13.27	0.87	8	2.99	3.43	6.61	8.03	3.66	18.74	16.30	222	177	150

DIN														Unit: mm	
Nom. Size DN(inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	I	K	Test Press (kgf/cm²)		Working Press (kgf/cm²)
													Body	Seat	
50(2")	57	125	160	18	4	35	42	83	102	68	253	220	15.0	12.0	10.0
65(2 1/2")	72	145	184	18	4	37	46	92	110	68	270	220	15.0	12.0	10.0
80(3")	80	160	200	18	8	37	46	100	118	68	286	220	15.0	12.0	10.0
100(4")	100	180	230	18	8	47	56	115	134	68	312	220	15.0	12.0	10.0
125(5")	130	210	250	18	8	57	66	127	160	96	391	310	15.0	12.0	10.0
150(6")	150	240	290	23	8	62	71	145	177	96	418	310	15.0	12.0	10.0
200(8")	203	295	337	23	8	76	87	168	204	93	476	414	15.0	12.0	10.0

※ Standard dimensions based on PVC material



BUTTERFLY VALVE-Universal Type (With actuator direct mounting pad) Lever Handle Type



BE Series

通用型蝶閥

BE300

Size: 2"- 8"

End Type: Flanged

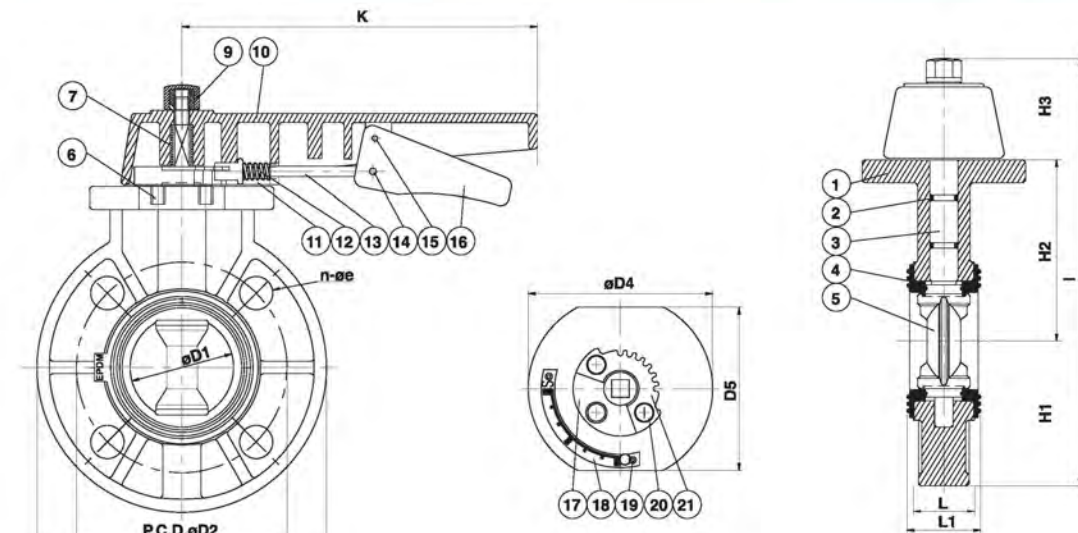
Test Pressure: 225 PSI

Working Pressure: 150 PSI

- Corrosion resistance.
- Excellent flow characteristics.
- Lower flow loss.
- Compact and lightweight designs in an energy-saving and cost-efficient Butterfly Valve.
- With clear indication of disc opening degree.
- Ideally suited for flow control in a minimum piping space.

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	Body	1	UPVC, PP, CPVC, PVDF	12	Spring	1	SUS 304
2	Stem O'ring	2	EPDM, VITON	13	Lever	1	SUS 304
3	Stem	1	SUS 410, SUS 316	14	Setpin(Short)	1	SUS 304
4	Seat	1	EPDM, VITON, NBR	15	Setpin(Long)	1	SUS 304
5	Disc	1	UPVC, PP, CPVC, PVDF	16	Lever	1	ABS
6	Bolt	1	BRASS, SUS 304	17	Positioner	1	UPVC
7	Handle Insert	1	FC 0208	18	Indicator	1	SUS 304
9	Stem Bolt	1	UPVC, BRASS	19	Bolt	2	SUS 304
10	Handle	1	ABS	20	Bolt	3	SUS 304
11	Handle Cap	1	ABS	21	Teeth Plate	1	SUS 304



DN50~DN200

The Torque Values

	AT Water							
	W/O Pressure (Kgf.m)		Pressure at 50PSI (Kgf.m)		Pressure at 100PSI (Kgf.m)		Pressure at 150PSI (Kgf.m)	
	Open	Close	Open	Close	Open	Close	Open	Close
2"	0.80	0.80	0.80	1.00	0.80	1.00	1.00	1.00
3"	2.50	2.50	3.00	3.00	2.50	2.50	3.00	3.00
4"	2.50	3.00	3.00	3.00	3.00	3.00	3.00	3.00
6"	8.00	9.00	8.00	8.00	7.50	8.00	6.00	7.00
8"	10.00	11.00	11.00	11.00	10.50	10.50	9.50	9.50

DIMENSIONS TABLE

JIS													Unit: mm
Nom. size DN(inch)	D1	D2	D3	n	L	L1	D4	H1	H2	H3	I	K	D5
50(2")	55	123	164	4	38	41	105	82	107	63	252	204	93
80(3")	78	151.8	196	8	42	45	127	98	123	63	284	204	95
100(4")	100	182	225	8	48	51	134	112.5	139.5	68	320	253	100
150(6")	152	240	286	8	51	54	170	143	178	86	407	297	101
200(8")	200	290	344	12	61	64	191	172	212	86	470	297	110

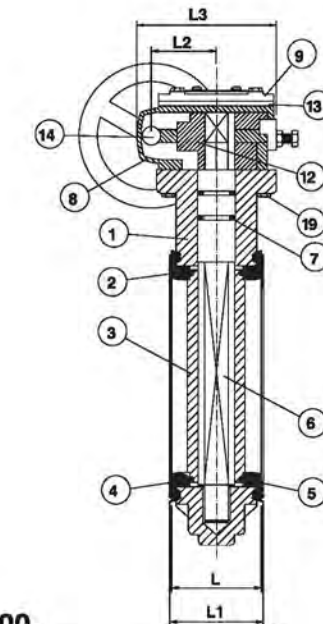
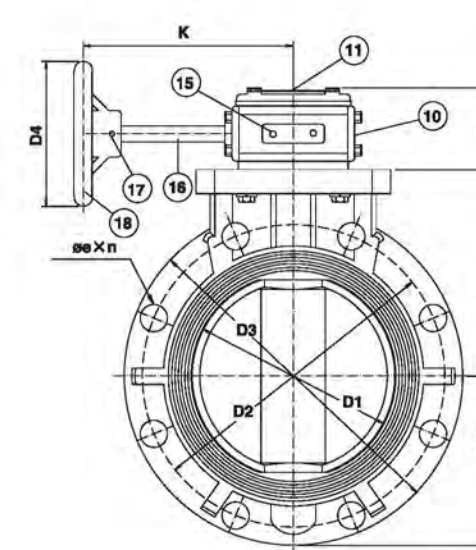
ANSI													Unit: inch
Nom. size DN(inch)	D1	D2	D3	n	L	L1	D4	H1	H2	H3	I	K	D5
50(2")	2.16	4.84	6.46	4	1.50	1.61	4.13	3.23	4.21	2.48	9.92	8.03	3.66
80(3")	3.07	5.97	7.72	4	1.65	1.77	5.00	3.86	4.84	2.48	11.18	8.03	3.74
100(4")	3.94	7.16	8.85	8	1.89	2.00	5.27	4.43	5.49	2.68	12.60	9.96	3.94
150(6")	5.98	9.44	11.26	8	2.20	2.13	6.69	5.63	7.00	3.39	16.02	11.69	3.98
200(8")	7.87	11.70	13.54	8	2.40	2.52	7.52	6.77	8.35	3.39	18.50	11.69	4.31

DIN													Unit: mm
Nom. size DN(inch)	D1	D2	D3	n	L	L1	D4	H1	H2	H3	I	K	D5
50(2")	55	123	164	4	38	41	105	82	107	63	252	204	93
80(3")	78	151.8	196	8	42	45	127	98	123	63	284	204	95
100(4")	100	182	225	8	48	51	134	112.5	139.5	68	320	253	100
150(6")	152	240	286	8	51	54	170	143	178	86	407	297	101
200(8")	200	295	344	8	61	64	191	172	212	86	470	297	110

※ Standard dimensions based on PVC material



BUTTERFLY VALVE GEAR OPER. FULL FLANGED TYPE



DN200~DN600

BF Series 旋轉凡而全法蘭齒輪式

BF300
Size: 8"- 24"

*OPTION: 8"(DN200)Lever type.

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP,CPVC, PPG, PVDF	11	Indicator Plate	1	PVC
2	Seat	1	EPDM, VITON, NBR, HYPALON	12	Gear	1	FCD45
3	Disc	1	UPVC, PP,CPVC, PPG, PVDF	13	Oil Seal	1	EPDM
4	Disc O'ring(A)	2	EPDM, VITON	14	Bearing	1	SMCM220/420/810
5	Disc O'ring(B)	2	EPDM, VITON	15	Adjustable Bolt	2	SS41
6	Stem	1	SUS410, SUS304, SUS316	16	Gearing	1	SS41
7	Stem O'ring	2	EPDM, VITON	17	Set Pin	1	K7
8	Gear Box	1	FC25	18	Hand Wheel	1	FC25
9	Gear Box Cap	1	FC25	19	Tightening Bolt	4	SCM3,SUS304
10	Side Cap	1	FC25				

Torque Values (1kgf/m=9.8N.m)

BF-V'S Size	Torque Under Without Any Water Pressure (Kgfm)	Under Water Testing Pressure(Kg/cm ²)			BF-V'S Size	Torque Under Without Any Water Pressure (Kgfm)	Under Water Testing Pressure(Kg/cm ²)		
		Water Pressure(Kg/cm ²)	Open Torque(Kgfm)	Close Torque(Kgfm)			Water Pressure(Kg/cm ²)	Open Torque(Kgfm)	Close Torque(Kgfm)
2"	1.5	15	0.5	0.5	12"	27.0	6	14	18
2-1/2"	1.5	15	0.5	0.5	14"	37.0	6	25	28
3"	2.0	15	1	1.5	16"	42.0	-	-	-
4"	2.0	12	1	1.5	18"	52.0	-	-	-
5"	5.0	12	2.5	4.5	20"	65.0	-	-	-
6"	6.5	12	4	7	24"	76.0	-	-	-
8"	10.0	10	6	8.5	28"				
10"	17.0	8	7	10					

DIMENSIONS TABLE

JIS																Unit: mm	
Nom. Size DN(Inch)	D1	D2	n	øe	D3	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press (kg/cm ²)		Working Press (kg/cm ²)
															Body	Seat	
200(8")	203	290	12	23	337	76	87	168	204	69	178	51	136	143	15.0	12.0	10.0
250(10")	255	355	12	25	400	96	111	200	235	69	178	51	136	143	15.0	12.0	10.0
300(12")	312	400	16	25	483	116	132	239	289	103	212	72	189	244	10.5	8.5	7.0
350(14")	355	445	16	25	520	116	132	259	305	103	212	72	189	244	10.5	8.5	7.0
400(16")	398	510	16	27	600	153	169	302	353	103	212	72	189	244	9.0	7.0	6.0
450(18")	451	565	20	27	640	166	181	317	365	121	269	116	285	464	7.5	6.0	5.0
500(20")	500	620	20	27	711	171	190	365	405	121	330	116	285	464	5.0	4.0	3.5
600(24")	600	730	24	33	813	191	209	425	460	121	330	116	285	464	5.0	4.0	3.5

ANSI																Unit: inch	
Nom. Size DN(Inch)	D1	D2	n	øe	D3	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press (lb/in ²)		Working Press (lb/in ²)
															Body	Seat	
200(8")	7.99	11.75	8	0.88	13.27	2.99	3.43	6.61	8.03	2.72	7.01	2.01	5.35	5.63	222	177	150
250(10")	10	14.25	12	0.98	15.75	3.78	4.37	7.87	9.25	2.72	7.01	2.01	5.35	5.63	222	177	150
300(12")	12.28	17.00	12	0.98	19.02	4.57	5.20	9.41	11.38	4.05	8.35	2.83	7.44	9.61	155	125	105
350(14")	13.97	18.75	12	1.14	20.47	4.57	5.20	10.20	12.01	4.05	8.35	2.83	7.44	9.61	155	125	105
400(16")	15.69	21.25	16	1.14	23.62	6.02	6.65	11.89	13.90	4.05	8.35	2.83	7.44	9.61	133	103	88
450(18")	17.75	22.75	16	1.26	25.20	6.54	7.13	12.48	14.37	4.76	10.59	4.57	11.22	18.27	111	88	74
500(20")	19.70	25.00	20	1.26	27.99	6.73	7.48	14.37	15.94	4.76	12.99	4.57	11.22	18.27	74	59	52
600(24")	23.66	29.50	20	1.38	32.00	7.52	8.23	16.73	18.11	4.76	12.99	4.57	11.22	18.27	74	59	52

DIN																Unit: mm	
Nom. Size DN(Inch)	D1	D2	n	øe	D3	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press (kg/cm ²)		Working Press (kg/cm ²)
															Body	Seat	
200(8")	203	295	8	23	337	76	87	168	204	69	178	51	136	143	15.0	12.0	10.0
250(10")	255	350	12	25	400	96	111	200	235	69	178	51	136	143	15.0	12.0	10.0
300(12")	312	400	12	25	483	116	132	239	289	103	212	72	189	244	10.5	8.5	7.0
350(14")	355	460	16	25	520	116	132	259	305	103	212	72	189	244	10.5	8.5	7.0
400(16")	398	515	16	27	600	153	169	302	363	103	212	72	189	244	9.0	7.0	6.0
450(18")	451	565	20	27	640	166	181	317	365	121	269	116	285	464	7.5	6.0	5.0
500(20")	500	620	20	27	711	171	190	365	405	121	330	116	285	464	5.0	4.0	3.5
600(24")	600	725	20	30	813	191	209	425	460	121	330	116	285	464	5.0	4.0	3.5

※Standard dimensions based on PVC material



Check Valve

逆止閥 系列

Hi-Tech'S, Hi-Quality'S

Ball Check Valve Swing Check Valve

直式球形逆止閥

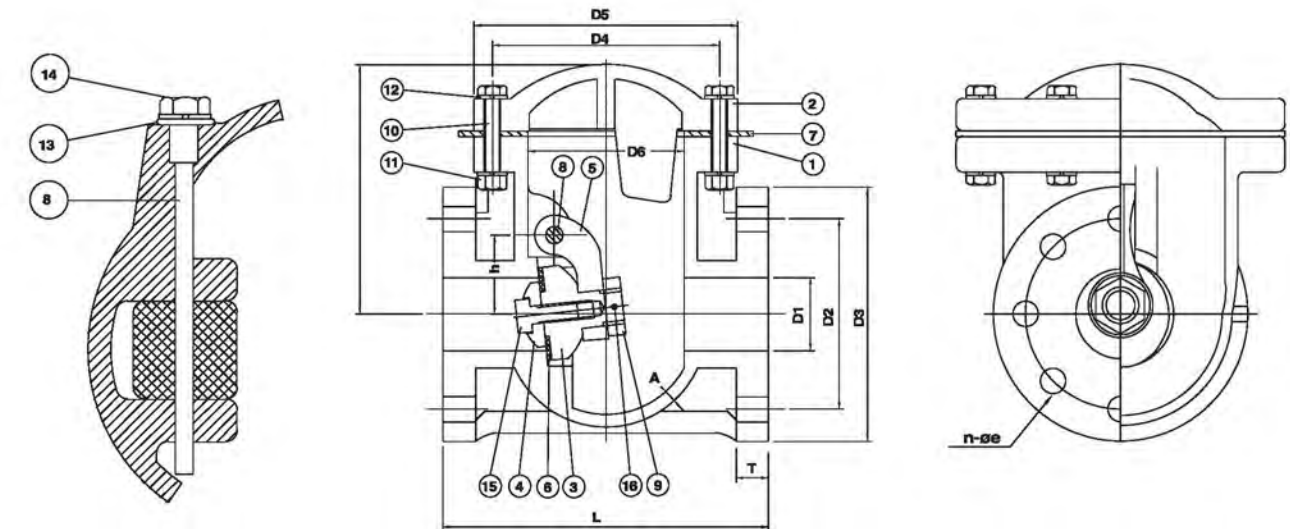
橫式擺動逆止閥

- Material: UPVC, PP, CPVC, PPG, PVDF
- Ball Check Valve
Size: 1/2"~10"
- Swing Check Valve
Size: 1/2"~8"
- 材質：UPVC, PP, CPVC, PPG, PVDF
- 直式球形逆止閥 尺寸：1/2"~10"
- 橫式擺動逆止閥 尺寸：1/2"~8"





CHECK VALVE / HORIZONTAL TYPE



DN25~DN200

JW Series 擺動逆止凡而 / 橫式

JW300
SIZE: 1"-8"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PPG, PVDF	9	Disc Holder	1	PP,PVDF
2	Bonnet	1	UPVC, CPVC, PPG, PVDF	10	Bolts	6...DN15-50 8...DN65-125 10...DN150 12...DN200	SUS304
3	Disc	1	UPVC, PP, CPVC, PPG, PVDF	11	Nuts		SUS304
4	Sheet Gasket Holder	1	UPVC, PP, CPVC, PPG, PVDF	12	Washers		SUS304
5	Swing Arms	1	UPVC, PP, CPVC, PPG, PVDF	13	O'ring	1	EPDM,VITON
6	Disc Gasket	1	EPDM, VITON , TEFLON	14	Shaft Holder	1	PVDF
7	Bonnet Gasket	1	EPDM, VITON , TEFLON	15	Set Bolts	1...DN15-80 3...DN100-125 4...DN150-200	PVDF
8	Shoft	1	PP, PVDF	16	Set Pin		PVDF

DIMENSIONS TABLE

JIS																Unit: mm
Nom. Size DN-inch	D1	D2	D3	e	n No. of holes	D4	D5	D6	L	T	A	h	H	D	Test Press (kgf/cm²)	Working Press (kgf/cm²)
25(1")	25	90	125	19	4	110	130	75	160	15	6	40	120	8	10	7
40(1-1/2")	41	105	140	19	4	125	145	85	180	18	8	45	138	8	10	7
50(2")	52	120	155	19	4	155	180	105	200	18	8	55	164	10	10	7
65(2-1/2")	80	140	175	19	4	181	205	130	260	20	9	70	171	12	10	7
80(3")	80	150	185	19	8	181	205	130	260	20	9	70	171	12	10	7
100(4")	100	175	210	19	8	235	265	170	300	24	10	90	213	16	7	5
125(5")	125	210	250	23	8	285	330	210	350	24	14	110	238	18	7	5
150(6")	150	240	280	23	8	330	370	250	400	30	16	135	268	20	7	5
200(8")	200	290	330	23	12	390	425	300	500	30	18	170	306	20	7	5

DIMENSIONS TABLE

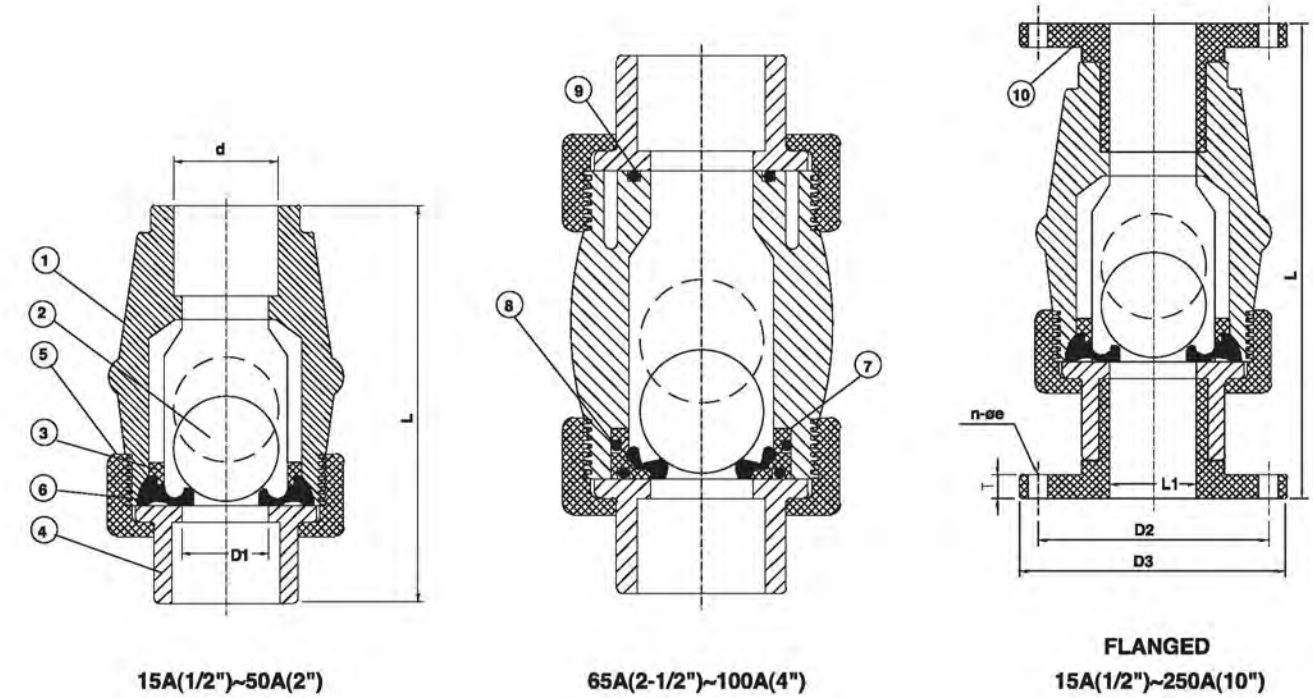
ANSI															Unit: inch	
Nom. Size DN-inch	D1	D2	D3	e	n No. of holes	D4	D5	D6	L	T	A	h	H	D	Test Press (lb/in ²)	Working Press (lb/in ²)
25(1")	1.00	3.13	4.25	0.63	4	4.34	5.13	2.97	6.31	0.59	0.24	1.56	4.72	0.31	150	100
40(1-1/2")	1.63	3.88	5.51	0.63	4	4.94	5.72	3.34	7.09	0.70	0.31	1.78	5.44	0.31	150	100
50(2")	2.06	4.75	6.10	0.75	4	6.09	7.09	4.13	7.88	0.70	0.31	2.16	6.64	0.41	150	100
65(2-1/2")	3.15	5.50	6.88	0.75	4	7.13	8.06	5.13	10.25	0.79	0.35	2.75	6.72	0.47	150	100
80(3")	3.15	6.00	7.28	0.75	4	7.13	8.06	5.13	10.25	0.79	0.35	2.75	6.72	0.47	150	100
100(4")	3.94	7.50	8.26	0.75	8	9.25	10.44	6.69	11.82	0.94	0.39	3.53	8.38	0.63	100	70
125(5")	4.94	8.50	9.84	0.88	8	11.22	13.00	8.28	13.78	0.94	0.55	4.34	9.38	0.72	100	70
150(6")	5.90	9.50	11.02	0.88	8	13.00	14.56	9.84	15.75	1.18	0.63	5.31	10.56	0.78	100	70
200(8")	7.88	11.75	12.99	0.88	8	15.31	16.71	11.81	19.69	1.18	0.71	6.69	12.06	0.78	100	70

DIN																Unit: mm
Nom. Size DN-inch	D1	D2	D3	e	n No. of holes	D4	D5	D6	L	T	A	h	H	D	Test Press (kgf/cm ²)	Working Press (kgf/cm ²)
25(1")	25	85	125	14	4	110	130	75	160	15	6	40	120	8	10	7
40(1-1/2")	41	110	140	18	4	125	145	85	180	18	8	45	138	8	10	7
50(2")	52	125	155	18	4	155	180	105	200	18	8	55	164	10	10	7
65(2-1/2")	80	145	175	18	4	181	205	130	260	20	9	70	171	12	10	7
80(3")	80	160	185	18	8	181	205	130	260	20	9	70	171	12	10	7
100(4")	100	180	210	18	8	235	265	170	300	24	10	90	213	16	7	5
125(5")	125	210	250	18	8	285	330	210	350	24	14	110	238	18	7	5
150(6")	150	240	280	23	8	330	370	250	400	30	16	135	268	20	7	5
200(8")	200	295	330	23	8	390	425	300	500	30	18	170	306	20	7	5

※ Standard dimensions based on PVC material



BALL CHECK VALVE (VERTICAL TYPE)



JB Series

球型逆止凡而 (直式)

SOCKET JB100 / THREAD JB200 / FLANGED JB300
SIZE: 1/2"-10"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PVDF
2	Ball	1	UPVC, CPVC, PVDF, PPG
3	Washer	1	UPVC, PP, CPVC, PVDF
4	End Connector	1...DN15-50 2...DN65-100	UPVC, PP, CPVC, PVDF
5	Union Nut	1...DN15-50 2...DN65-100	UPVC, PP, CPVC, PVDF
6	Seat	1	EPDM, VITON
7	Seat Carrier	1	UPVC, PP, CPVC, PVDF
8	Seat Carrier O'ring	1	EPDM, VITON
9	Solid End O'ring	1	EPDM, VITON
10	Flanged End	2...DN15-100 1...DN150-250	UPVC, PP, CPVC, PVDF
11	Reinforcement Plate	4...DN150 8...DN250	SUS304(150A-250A)
12	Bolts on Reinforcement Plate	10...DN150 20...DN250	SUS304

DIMENSIONS TABLE

	JIS										ANSI										DIN												
	Unit:mm										Unit:inch										Unit:mm												
	D1	d		D2	D3	n	øe	L			T	D1	d		D2	D3	n	øe	L			T	D1	d		D2	D3	n	øe	L			T
Screw		Socket	Screw					Socket	Flange	Screw			Socket	Screw					Socket	Flange	Screw			Socket	Screw					Socket	Flange		
15-1/2	15	PT	22	70	95	4	15	98	98	135	15	0.59	NPT	0.84	2.375	3.500	4	0.63	3.85	3.85	5.43	0.59	15	R1/2	20	65	95	4	14	98	98	135	15
20-3/4	20	PT	26	75	100	4	15	119	119	159	16	0.79	NPT	1.05	2.750	3.785	4	0.63	4.68	4.68	6.25	0.59	20	R3/4	25	75	105	4	14	119	119	159	15
25-1	26	PT	32	90	125	4	19	124	124	167	17	0.98	NPT	1.32	3.125	4.250	4	0.63	4.88	4.88	6.57	0.66	26	R1	32	85	115	4	14	124	124	167	17
32-11/4	36	PT	38	100	135	4	19	155	155	198	16	1.42	NPT	1.67	3.500	4.625	4	0.63	6.10	6.10	7.79	0.67	36	R1-1/4	40	100	140	4	18	155	155	198	17
40-11/2	36	PT	48	105	145	4	19	155	155	202	18	1.57	NPT	1.91	3.875	5.000	4	0.63	6.10	6.10	7.89	0.7	36	R1-1/2	50	110	150	4	18	155	155	202	17
50-2	50	PT	60	120	155	4	19	180	180	234	21	1.96	NPT	2.38	4.750	6.000	4	0.75	7.09	7.09	9.09	0.78	40	R2	63	125	165	4	18	180	180	234	20
65-21/2	65	PT	76	140	175	4	19	226	226	276	20	2.36	NPT	2.88	5.500	7.000	4	0.75	8.89	8.89	10.87	0.8	65	R2-1/2	75	145	185	4	18	226	226	276	20
80-3	80	PT	89	150	185	8	19	274	274	330	20.5	3.15	NPT	3.51	6.000	7.500	4	0.75	10.79	10.79	12.99	0.9	80	R3	90	160	200	8	18	274	274	330	20
100-4	100	PT	114	175	210	8	19	367	367	417	20	3.74	NPT	4.51	7.500	9.000	8	0.75	14.45	14.45	16.41	0.92	100	R4	110	180	220	8	18	367	367	417	20
150-6	150	-	-	240	280	8	23	-	-	480	23	-	-	-	9.500	11.000	8	0.88	-	-	18.90	0.87	150	-	-	240	285	8	23	-	-	480	23
250-10	250	-	-	355	400	12	25	-	-	670	25	-	-	-	14.250	16.000	12	1.00	-	-	26.38	0.94	250	-	-	350	395	12	25	-	-	670	25

※Standard dimensions based on PVC material



TRUE UNION BALL CHECK VALVE (VERTICAL TYPE)



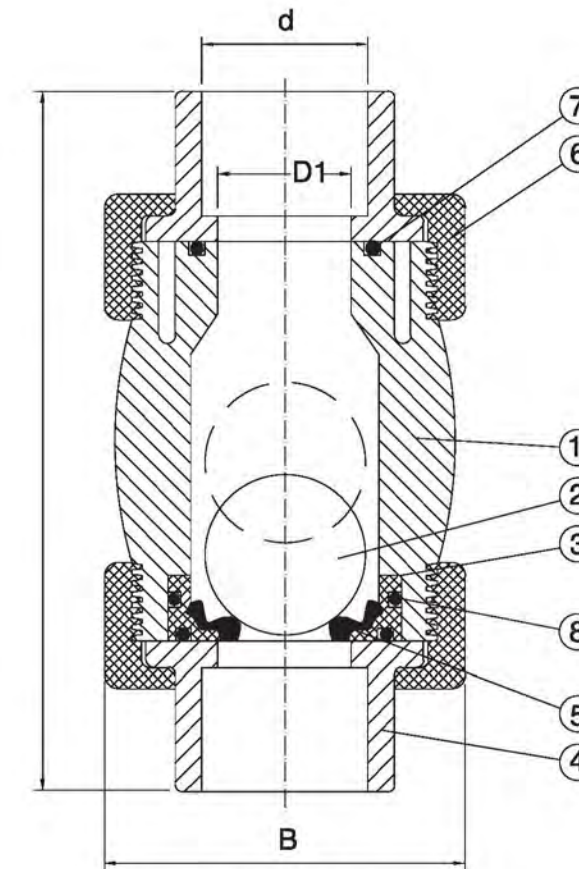
JX Series

由任式球型逆止凡而(直式)

SOCKET JX100 / THREAD JX200
SIZE: 1/2"-4"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PVDF
2	Ball	1	UPVC, CPVC, PVDF, PPG
3	Seat Carrier	1	UPVC, PP, CPVC, PVDF
4	End Connector	2	UPVC, PP, CPVC, PVDF
5	Seat	1	EPDM, VITON
6	Union Nut	2	UPVC, PP, CPVC, PVDF
7	O'ring	1	EPDM, VITON
8	Seat Carrier O-Ring	65A-100A	EPDM, VITON



DN15~DN100

DIMENSIONS TABLE

	JIS Unit:mm						ANSI Unit:inch						DIN Unit:inch					
	D1	d		L		B	D1	d		L		B	D1	d		L		B
		Socket	Thread	Socket	Thread			Socket	Thread	Socket	Thread			Socket	Thread	Socket	Thread	
15(1/2")	15	22	PT	101	101	53.5	0.598	0.848	NPT	3.976	3.976	2.016	15	20	R1/2	101	101	53.5
20(3/4")	19.5	26	PT	115	115	63.3	0.771	1.058	NPT	4.527	4.527	2.492	19.5	25	R3/4	115	115	63.3
25(1")	25	32	PT	156	156	73	0.984	1.325	NPT	5.345	5.345	2.874	25	32	R1	156	156	73
32(1-1/4")	32	38	PT	171	171	97.5	1.259	1.670	NPT	6.732	6.732	3.842	32	40	R1-1/4	171	171	97.5
40(1-1/2")	40	48	PT	171	171	97.5	1.574	1.912	NPT	6.732	6.732	3.842	40	50	R1-1/2	171	171	97.5
50(2")	50	60	PT	195	195	120.5	1.968	2.387	NPT	7.677	7.677	4.744	50	63	R2	195	195	120.5
65(2-1/2")	62.5	76	PT	226	226	150	2.46	2.889	NPT	8.86	8.86	5.9	62.5	75	R2-1/2	226	226	150
80(3")	76	89	PT	274	274	184	3	3.515	NPT	10.71	10.71	7.24	76	90	R3	274	274	184
100(4")	100	114	PT	367	367	199	3.94	4.518	NPT	14.37	14.37	7.83	100	110	R4	367	367	199

※ Standard dimensions based on PVC material



IN-LINE SPRING CHECK VALVE



JC Series

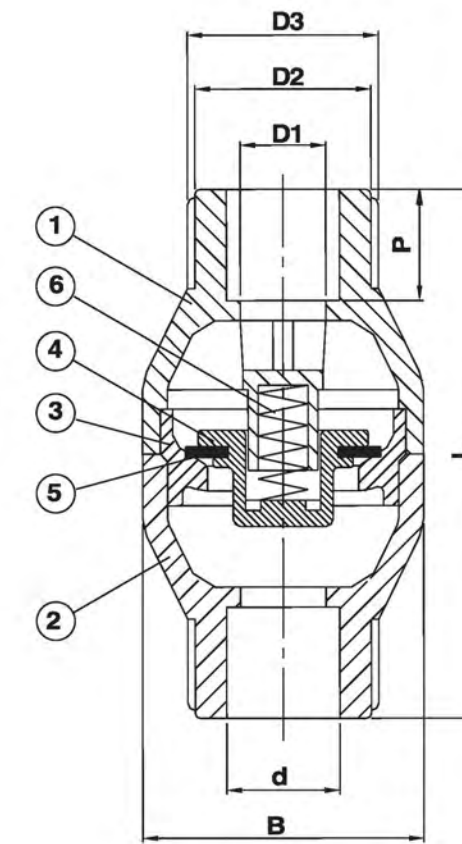
彈簧逆止閥

SOCKET JC100 / THREAD JC200
Size: 1/2" - 2"

TEST PRESSURE: 225 PSI
WORKING PRESSURE: 150 PSI

● MATERIALS OF CONSTRUCTION

NO	PART	MATERIAL	Q'TY
1	UPPER BODY	UPVC	1
2	LOWER BODY	UPVC	1
3	CONNECTIR SEAT	UPVC	1
4	SPIGOT	UPVC	1
5	SEAL	EPDM	1
6	SPRING	SUS 304	1



DN15~DN50

● DIMENSIONS TABLE

Nom SIZE			15mm (1/2')	20mm (3/4')	25mm (1')	32mm (1-1/4')	40mm (1-1/2')	50mm (2')
d	JIS (mm)	Socket	22	26	32	38	48	60
		Thread	PT1/2	PT3/4	PT1	PT1-1/4	PT1-1/2	PT2
	ANSI (inch)	Socked	0.840	1.050	1.315	1.660	1.900	2.375
		Thread	NPT1/2	NPT3/4	NPT1	NPT1-1/4	NPT1-1/2	NPT2
	DIN (mm)	Socked	20	25	32	40	50	63
		Thread	R1/2	R3/4	R1	R1-1/4	R1-1/2	R2
P		JIS(mm)	22.2	25.4	28.6	31.8	34.9	38.1
		ANSI(inch)	0.875	1.000	1.125	1.250	1.375	1.500
		DIN(mm)	16.0	18.5	22.0	26.0	31.0	37.5
D1			17	21	28	35	40	52
D2			35	35	45	52	60	73
D3			37	37	47	54	62	75
B			56	56	73	91	91	107
L			105	105	134	157	157	178



Foot Valve

福特閥門 系列

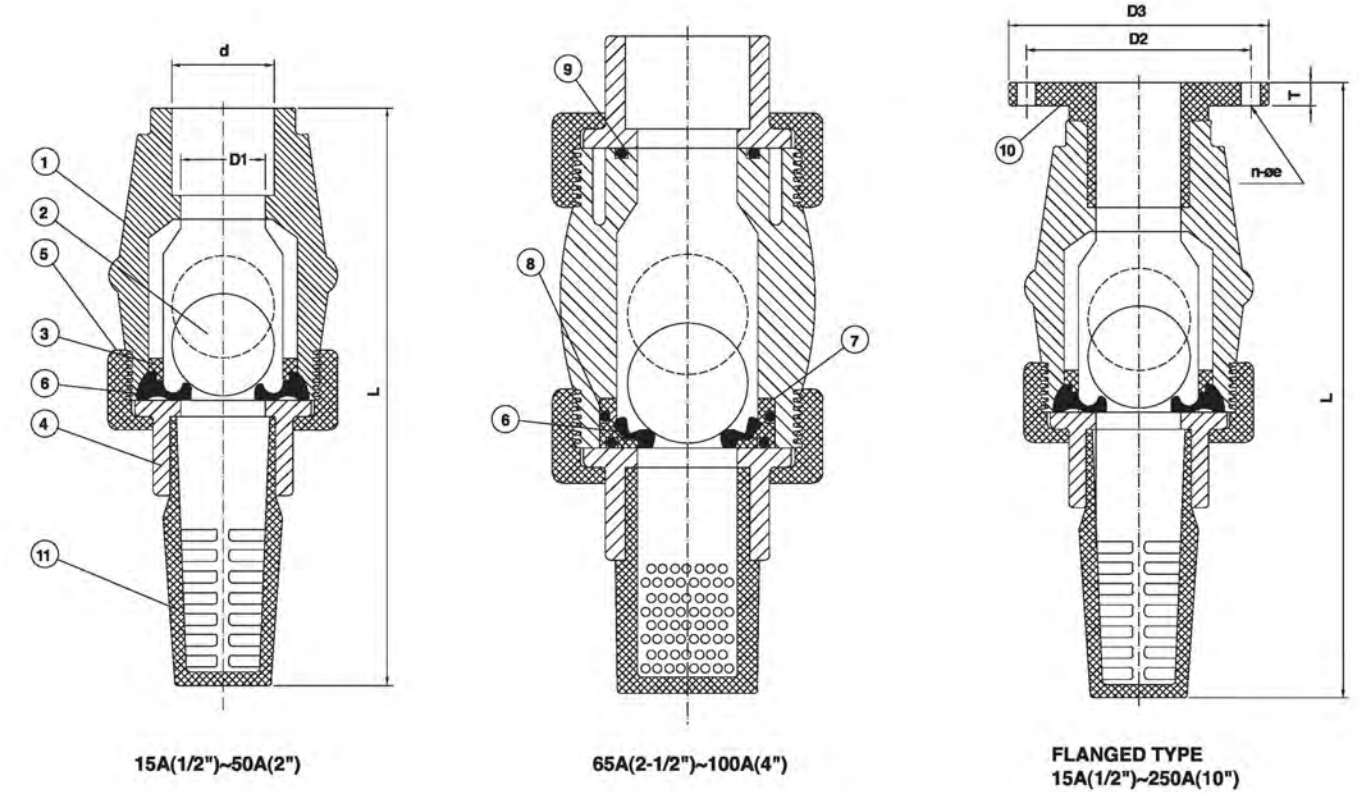
Hi-Tech'S, Hi-Qualitly'S

- Material: UPVC, PP, CPVC, PPG, PVDF
- Size: DN15~DN250
- 材質 : UPVC, PP, CPVC, PPG, PVDF
- 尺寸 : DN15~DN250





BALL FOOT VALVE (VERTICAL TYPE)



JF Series

福特球型凡而 (直式)

**SOCKET JF100/THREAD JF200/FLANGED JF300
SIZE: 1/2"-10"**

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, PPG, CPVC, PVDF
2	Ball	1	UPVC, PPG, CPVC, PVDF
3	Washer	1	UPVC, PP, CPVC, PVDF
4	Connector	1/2	UPVC, PP, CPVC, PVDF
5	Union Nut	1/2	UPVC, PP, CPVC, PVDF
6	Seat	1	EPDM, VITON
7	Seat Carrier	1	UPVC, PP, CPVC, PVDF
8	Seat Carrier O'ring	1	EPDM, VITON
9	Solid End O'ring	1	EPDM, VITON
10	Flanged End	1	UPVC, PP, PPG, CPVC, PVDF
11	Screen	1	UPVC, PP, CPVC, PVDF

DIMENSIONS TABLE

Standards Nom. size DN-Inch	JIS										ANSI										DIN												
	Unit:mm										Unit:inch										Unit:mm												
	d			D2	D3	n	øe	L			T	d			D2	D3	n	øe	L			T	d			D2	D3	n	øe	L			T
	D1	Screw	Socket					Screw	Socket	Flange		D1	Screw	Socket					Screw	Socket	Flange		D1	Screw	Socket					Screw	Socket	Flange	
15-1/2	15	PT	22	70	95	4	15	138	138	153	16	0.59	NPT	0.84	2.375	3.500	4	0.63	5.43	5.43	6.02	0.62	15	R1/2	20	65	95	4	14	138	138	153	16
20-3/4	20	PT	26	75	100	4	15	164	164	183	16	0.79	NPT	1.05	2.750	3.875	4	0.63	6.45	6.45	7.20	0.62	20	R3/4	25	75	105	4	14	164	164	183	16
25-1	26	PT	32	90	125	4	19	180	180	202	16	1.02	NPT	1.32	3.125	4.250	4	0.63	7.08	7.08	7.95	0.62	26	R1	32	85	115	4	14	180	180	202	16
32-1 1/4	36	PT	38	100	135	4	19	226	226	253	18	1.42	NPT	1.67	3.500	4.625	4	0.63	8.89	8.89	9.96	0.70	36	R1-1/4	40	100	140	4	18	226	226	253	18
40-1 1/2	36	PT	48	105	145	4	19	226	226	253	18	1.42	NPT	1.91	3.875	5.000	4	0.63	8.89	8.89	9.96	0.70	36	R1-1/2	50	110	150	4	18	226	226	253	18
50-2	40	PT	60	120	155	4	19	254	254	283	21	1.58	NPT	2.38	4.750	6.000	4	0.75	10.0	10.0	11.14	0.82	40	R2	63	125	165	4	18	254	254	283	21
65-2 1/2	65	PT	76	140	175	4	19	305	305	335	20	2.56	NPT	2.88	5.500	7.000	4	0.75	12.0	12.0	13.18	0.78	65	R2-1/2	75	145	185	4	18	305	305	335	20
80-3	80	PT	89	150	185	8	19	373	373	400	23	3.15	NPT	3.51	6.000	7.500	4	0.75	14.68	14.68	15.74	0.90	80	R3	90	160	200	8	18	373	373	400	23
100-4	100	PT	114	175	210	8	19	495	495	520	23	3.94	NPT	4.51	7.500	9.000	8	0.75	19.48	19.48	20.47	0.90	100	R4	100	180	220	8	18	495	495	520	23
150-6	150	-	-	240	280	8	23	-	-	790	23	-	-	-	9.500	11.000	8	0.88	-	-	31.10	0.90	150	-	-	240	285	8	23	-	-	790	23
250-10	250	-	-	355	400	12	25	-	-	1190	25	-	-	-	14.250	16.000	12	1.00	-	-	46.85	0.98	250	-	-	350	395	12	25	-	-	1190	25

※ Standard dimensions based on PVC material



IN-LINE SPRING FOOT VALVE



POOL & SPA VALVE



JD Series 彈簧式福特閥

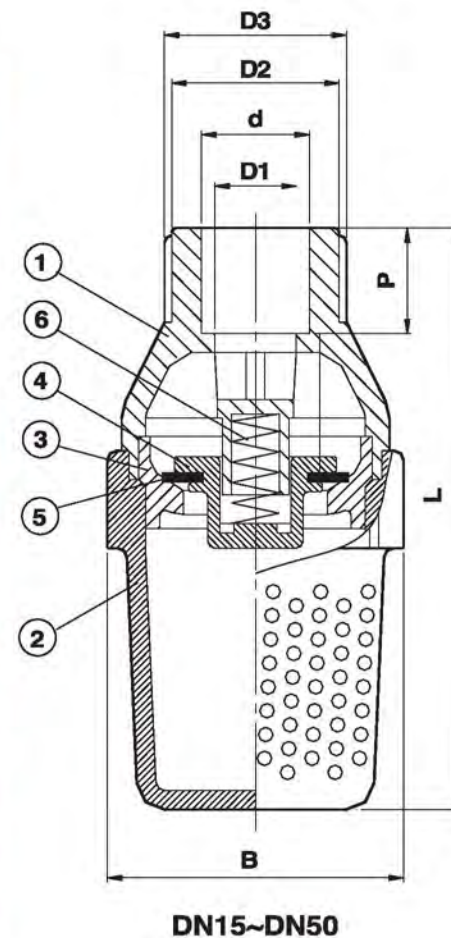
SOCKET JD100 / THREAD JD200
Size: 1/2" - 2"

MATERIALS OF CONSTRUCTION

No	Part	Material	Q'ty
1	UPPER BODY	UPVC	1
2	FILTER	UPVC	1
3	CONNECTIR SEAT	UPVC	1
4	SPIGOT	UPVC	1
5	SEAL	EPDM	1
6	SPRING	SUS 304	1

DIMENSIONS TABLE

Nom		SIZE	15mm (1/2')	20mm (3/4')	25mm (1')	32mm (1-1/4')	40mm (1-1/2')	50mm (2')
d	JIS (mm)	Socket	20	26	32	38	48	60
		Thread	PT1/2	PT3/4	PT1	PT1-1/4	PT1-1/2	PT2
	ANSI (inch)	Socket	0.840	1.050	1.315	1.660	1.900	2.375
		Thread	NPT1/2	NPT3/4	NPT1	NPT1-1/4	NPT1-1/2	NPT2
	DIN (mm)	Socket	20	25	32	40	50	63
		Thread	R1/2	R3/4	R1	R1-1/4	R1-1/2	R2
P	JIS(mm)	22.2	25.4	28.6	31.8	34.9	38.1	
	ANSI(inch)	0.875	1.000	1.125	1.250	1.375	1.500	
	DIN(mm)	16.0	18.5	22.0	26.0	31.0	37.5	
D1		17	21	28	35	40	52	
D2		35	35	45	52	60	73	
D3		37	37	47	54	62	75	
B		56	56	71	102	102	114	
L		129	129	149	173	173	211	



EP Series 泳池閥 (柱塞閥)

SOCKET EP100 / THREAD EP200
Size: 1 1/2" - 2" (2-WAY & 3-WAY)

Introduction

The Pool & Spa valve incorporates the latest thinking in full flow valve design. The self locking handle makes it easier to use and adjust and the lock ring closure allows quick, easy maintenance without the use of special tools. Port sizes use PVC or ABS pressure pipe.

Installation

A partial stop is provided on the lid of all valves, although this can be by-passed by fully depressing the handle and rotating. On 2-way valves the valve should be installed with the stop facing the water flow. On 3-way valves the stop is usually positioned opposite the centre port or opposite the port feeding directly to the pump. The stop can be adjusted by unscrewing the lock ring and rotating the lid assembly. Use the correct PVC pressure pipe adhesive carefully following the manufacture's instructions. Coat the valve port and the pipe with adhesive. Avoid excessive adhesive inside the valve port. A lip is provided in the valve to stop excessive adhesive getting into the valve internals. Damage due to adhesive inside the valve is not covered by the warranty. Allow 30 minutes before testing and 12 hours before testing under pressure.

Servicing

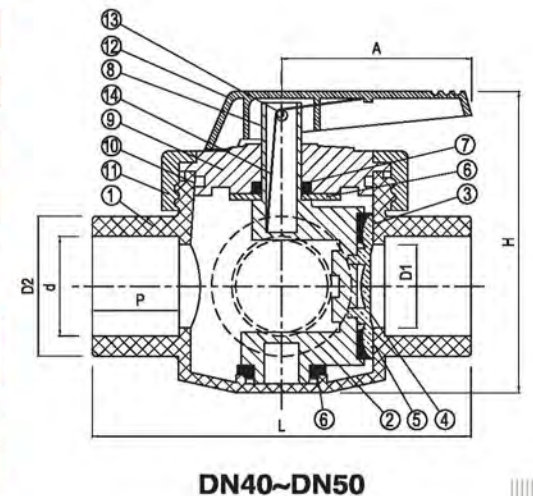
Every valve is assembled lubricated with a waterproof silicon grease. Valves that are used frequently will operate freely with the water acting as a lubricant. Valves left for long periods tend to stick and may need some extra force to operate. To avoid this regular greasing with a silicone based grease is recommended. DO NOT USE PETROLEUM BASED LUBRICANTS.

MATERIALS OF CONSTRUCTION

No.	Part	Pcs.	Material	No.	Part	Pcs.	Material
1	Body (2 Way or 3 Way)	1	UPVC, ABS	8	Rotor Shaft	1	PPG
2	Roter Gate	1	PPG	9	Lid	1	UPVC, ABS
3	Seal Retaining Plate	1	PPG	10	Lid O'ring	1	EPDM
4	Retaining Plate Screw	2	SUS304	11	Lid Lock Ring	1	ABS
5	Rotor Seal	1	EPDM	12	Handle	1	ABS
6	Bearing	2	POM	13	Set Pin	1	BRASS
7	Rotor O'ring	1	EPDM	14	Spring	1	SUS304

DIMENSIONS TABLE

Nom Size	Flow	Dimensions	Unit:mm
DN-inch		d D1 D2 D3 L H A	
40-1 1/2"	2-Way	SOCKET	45 60 107 164 155 88
	3-Way	SOCKET	45 60 107 164 155 88
50-2"	2-Way	SOCKET	56 71 125 189 160 88
	3-Way	SOCKET	56 71 125 189 160 88





Sediment Strainers

過濾器 系列

Hi-Tech'S, Hi-Quality'S

- Material: UPVC, PP, PPG, CPVC, PVDF
- Size: 1"~8"
- 材質：UPVC, PP, PPG, CPVC, PVDF
- 尺寸：1"~8"





T-TYPE SEDIMENT STRAINERS



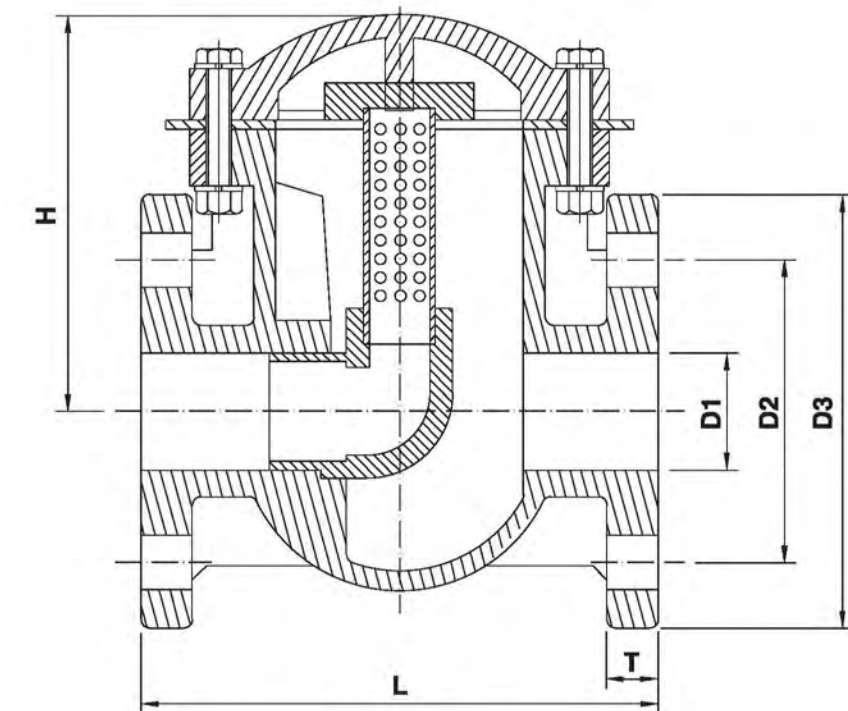
JS Series

過濾器

JS 300
Size: 1/2"- 8"

MATERIALS OF CONSTRUCTION

MATERIAL	U-PVC, PP, CPVC, PPG, PVDF
SIZES	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 5", 6", 8"
PRESSURE	Testing Pressure: 1/2"~ 4" : 10kg/cm ² : 5"~ 8" : 6kg/cm ² . Working Pressure: 1/2"~ 4" : 7kg/cm ² : 5"~ 8" : 4kg/cm ² .
END CONNECTIONS	Flange ends with in JIS; DIN; ANSI; BS STANDARD
WORKING TEMP	U-PVC: 0°C~60°C, PP: -20°C~90°C, PPG: -20°C~100°C, CPVC: 0°C~90°C, PVDF: -40°C~120°C

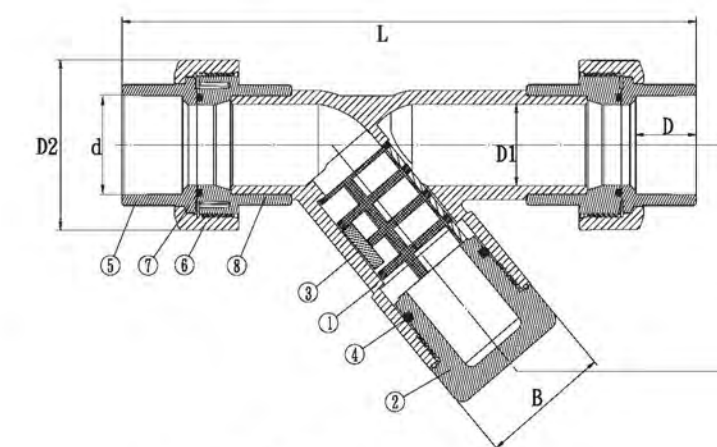
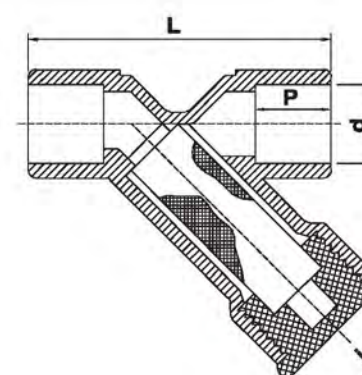


DN15~DN200

DIMENSIONS TABLE

Nom. Size DN-inch	D1	L	D2			D3			T	SCREEN (mm)
			JIS	DIN	ANSI (inch)	JIS	DIN	ANSI (inch)		
15-1/2"	25	160	70	65	2.38	95	95	3.50	15	2.5
20-3/4"	25	160	75	75	2.76	100	105	3.86	15	2.5
25-1"	25	160	90	85	3.13	125	125	4.25	15	2.5
32-1-1/4"	41	180	100	100	3.50	135	135	4.60	16	2.5
40-1-1/2"	41	180	105	110	3.88	140	140	5.51	18	2.5
50-2"	52	200	120	125	4.74	155	155	6.10	18	2.5
65-2-1/2"	80	260	140	145	5.49	175	175	6.88	20	2.5
80-3"	80	260	150	160	6.00	185	185	7.28	20	2.5
100-4"	100	300	175	180	7.50	210	210	8.26	24	2.5
125-5"	125	350	210	210	8.50	250	250	9.84	24	2.5
150-6"	150	400	240	240	9.51	280	280	11.62	30	2.5
200-8"	200	500	290	295	11.75	330	330	12.99	30	2.5

Y-SEDIMENT STRAINERS



DN15~DN50

DIMENSIONS TABLE

JIS									Unit: mm
Nom. Size DN-inch	D1	D2	L		P	D		H	B
			SOC/THD.	FLANGE		SOCKET	THREAD		
15-1/2"	15	46	205	147	22.2	22	PT3/4	70	35
20-3/4"	20	61	234	167	25.4	26	PT3/4	80	39
25-1"	26	70	250	178	28.6	22	PT1	95	47
32-1-1/4"	32	88	283	202	31.8	38	PT1-1/4	110	55
40-1-1/2"	40	88	312	212	34.9	48	PT1-1/2	132	70
50-2"	50	101	350	236	38.1	60	PT2	155	81

ANSI									Unit: inch
Nom. Size DN-inch	D1	D2	L		P	D		H	B
			SOC/THD.	FLANGE		SOCKET	THREAD		
15-1/2"	0.59	1.81	8.07	5.78	0.875	0.848	NPT1/2	2.75	1.37
20-3/4"	0.79	2.40	9.21	6.57	1.000	1.058	NPT3/4	3.14	1.53
25-1"	1.02	2.75	9.84	7.00	1.125	1.325	NPT1	3.74	1.85
32-1-1/4"	1.26	3.46	11.14	7.95	1.250	1.670	PT1-1/4	4.33	2.16
40-1-1/2"	1.57	3.46	12.28	8.34	1.375	1.912	PT1-1/2	5.19	2.75
50-2"	1.97	3.97	13.77	9.29	1.500	2.387	NPT2	6.10	3.18

DIN									Unit: mm
Nom. Size DN-inch	D1	D2	L		P	D		H	B
			SOC/THD.	FLANGE		SOCKET	THREAD		
15-1/2"	15	46	205	147	22.2	20	R1/2	70	35
20-3/4"	20	61	234	167	25.4	25	R3/4	80	39
25-1"	26	70	250	178	28.6	32	R1	95	47
32-1-1/4"	32	88	283	202	31.8	40	R1-1/4	110	55
40-1-1/2"	40	88	312	212	34.9	50	R1-1/2	132	70
50-2"	50	101	350	236	38.1	63	R2	155	81

EY Series

Y 型過濾器

SOCKET EY100 / THREAD EY 200 / FLANGE EY 300
Size: 1/2"- 2"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC
2	Lid	1	UPVC
3	Screen	1	UPVC
4	Body O'ring	1	EPDM,VITON
5	Connector	2	UPVC
6	Union Nut	2	UPVC
7	Union O'ring	2	EPDM,VITON
8	Flange	2	PVC



Electric / Pneumatic Actuated Valve 電動/氣動閥門 系列

Hi-Tech'S, Hi-Quality'S

Electric Actuated Butterfly Valve
Electric Actuated Ball Valve
Pneumatic Actuated Butterfly Valve
Pneumatic Actuated Ball Valve

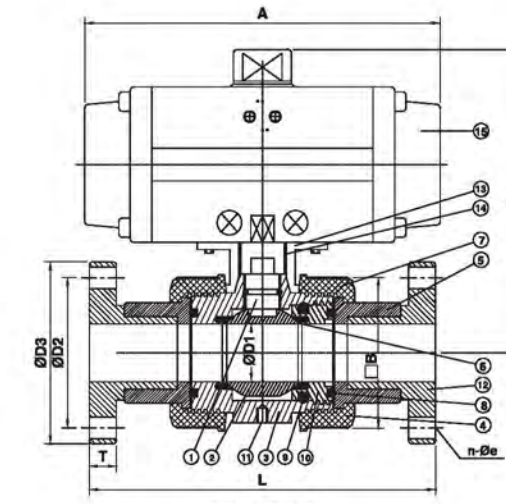
電動式蝶閥
電動式球閥
氣動式蝶閥
氣動式球閥

- Material: UPVC, PP, PPG, CPVC, PVDF
- Electric Actuated Butterfly Valve
Size: 2"~14"
- Electric Actuated Ball Valve
Size: 1/2"~4"
- Pneumatic Actuated Butterfly Valve
Size: 2"~24"
- Pneumatic Actuated Ball Valve
Size: 1/2"~4"
- 材質：UPVC, PP, PPG, CPVC, PVDF
- 電動式蝶閥 尺寸：2"~14"
- 電動式球閥 尺寸：1/2"~4"
- 氣動式蝶閥 尺寸：2"~24"
- 氣動式球閥 尺寸：1/2"~4"

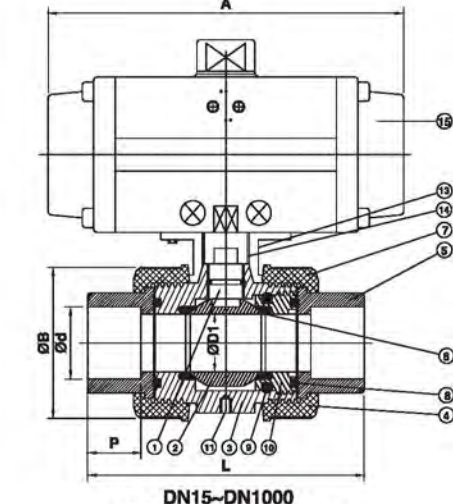




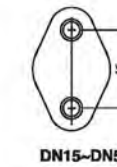
PNEUMATIC ACTUATED BALL VALVE (DOUBLE ACTION TYPE)



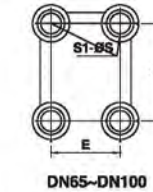
DN15-DN100
FLANGE TYPE



DN15-DN1000
SOCKET & SCREW TYPE

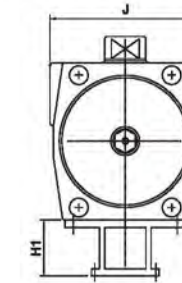


DN15-DN50



DN65-DN100

MOUNTING PAD



CO Series

雙式氣動球閥

SOCKET CO100 / THREAD CO200 / FLANGED CO300
Size: 1/2"-4"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	9	BODY O-RING	2	EPDM, VITON
2	BALL	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF
3	BODY	1	UPVC, PP, CPVC, PVDF	11	BRASS INSERTS	4...15-50 8...65-100	BRASS
4	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	FLANGE	2	UPVC, PP, CPVC, PVDF
5	END CONNECTOR	2	UPVC, PP, CPVC, PVDF	13	MOUNTING BRACKET	1	SU304
6	SEAT	2	PTFE	14	STEM TRANSMIT HOUSING	1	SU304
7	STEM O-RING	1...15-50 2...65-100	EPDM, VITON	15	PNEUMATIC ACTUATORS	1	ECRLD ALUMINUM ALLOY
8	SEAT CARRIER O-RING	1	EPDM, VITON				

* 氣缸動作壓力(氣壓): 最小5kg/cm²
最大8kg/cm²

DIMENSIONS TABLE

JIS																					Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (kg/cm ²)	
				Socket	Thread				Socket	Thread	Flange											
15(1/2")	15	70	95	22	PT1/2"	15	4	22.2	115	115	152	151.6	40	137	66	15	31		3/16"-24G	4	10	
20(3/4")	19	75	100	26	PT3/4"	15	4	25.4	128	128	163	157.5	40	137	66	15	37		1/4"-20G	4	10	
25(1")	25	90	125	32	PT 1"	19	4	28.6	144	144	187	162.0	40	137	66	17	40		1/4"-20G	4	10	
32(1-1/4")	38	100	135	38	PT1-1/4"	19	4	31.8	183	183	225	197.7	55	152	73	17	55		5/16"-18G	4	10	
40(1-1/2")	38	105	140	48	PT1-1/2"	19	4	34.9	183	183	232	197.7	55	152	73	19	55		5/16"-18G	4	10	
50(2")	48	120	155	60	PT 2"	19	4	38.1	202	202	253	208.3	55	152	85	21	68		5/16"-18G	4	10	
65(2-1/2")	65	140	175	76	PT2-1/2"	19	4	44.5	228	228	282	263.2	68	230	98	21	80	41	5/16"-18G	8	7	
80(3")	78	150	185	89	PT 3"	19	8	47.6	270	270	327	307.7	85	271	110	22	80	41	5/16"-18G	8	7	
100(4")	102	175	210	114	PT 4"	19	8	57.2	324	324	385	326.0	80	360	140	22	121	50	5/16"-18G	8	7	

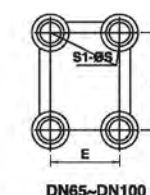
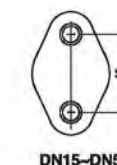
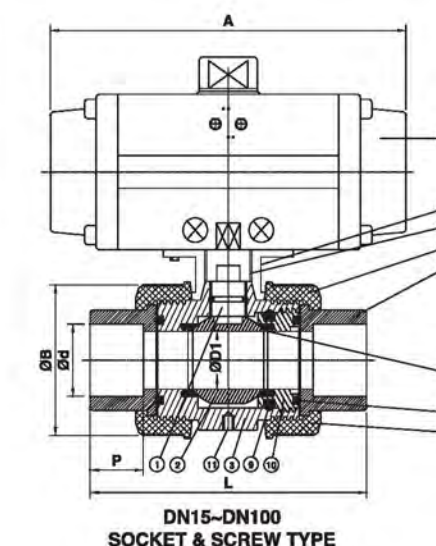
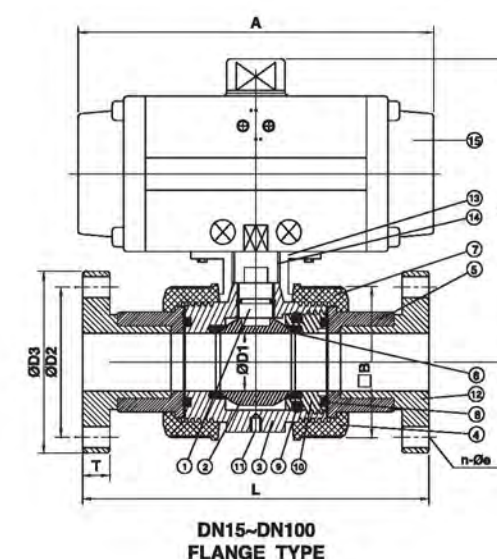
DIMENSIONS TABLE

ANSI																				Unit: inch		
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (lb/in ²)	
				Socket	Thread				Socket	Thread	Flange											
15(1/2")	0.59	2.375	3.500	0.848	PT1/2"	0.625	4	0.875	4.527	4.527	5.984	5.97	1.57	5.39	2.60	0.59	1.22		3/16"-24G	4	148	
20(3/4")	0.748	2.750	3.875	1.058	PT3/4"	0.625	4	1.000	5.039	5.039	6.417	6.20	1.57	5.39	2.60	0.59	1.45		1/4"-20G	4	148	
25(1")	0.98	3.125	4.250	1.325	PT 1"	0.625	4	1.125	5.669	5.669	7.36	6.38	1.57	5.39	2.60	0.66	1.57		1/4"-20G	4	148	
32(1-1/4")	1.496	3.500	4.625	1.670	PT1-1/4"	0.625	4	1.125	7.204	7.204	8.858	7.78	2.17	5.98	2.87	0.66	2.16		5/16"-18G	4	148	
40(1-1/2")	1.496	3.875	5.000	1.912	PT1-1/2"	0.625	4	1.375	7.204	7.204	9.133	7.78	2.17	5.98	2.87	0.75	2.16		5/16"-18G	4	100	
50(2")	1.89	4.750	6.000	2.387	PT 2"	0.750	4	1.500	7.952	7.952	9.960	8.20	2.17	5.98	2.87	0.83	2.67		5/16"-18G	4	100	
65(2-1/2")	2.56	5.500	7.000	2.889	PT2-1/2"	0.750	4	1.750	8.976	8.976	11.102	10.36	2.68	9.06	3.86	0.83	3.15	1.61	5/16"-18G	8	100	
80(3")	3.07	6.000	7.500	3.515	PT 3"	0.750	4	1.875	10.629	10.629	12.992	12.11	3.35	10.76	4.33	0.866	3.15	1.61	5/16"-18G	8	100	
100(4")	4.01	7.500	9.000	4.518	PT 4"	0.750	8	2.250	12.755	12.755	15.157	12.83	3.15	14.17	6.10	0.866	4.76	1.97	5/16"-18G	8	100	

DIN																						Unit: mm
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (kgf/cm ²)	
				Socket	Thread				Socket	Thread	Flange											
15(1/2")	15	65	95	20	PT1/2"	14	4	16.0	115	115	152	151.6	40	137	66	15	31		3/16"-24G	4	10	
20(3/4")	19	75	105	25	PT3/4"	14	4	18.5	128	128	163	157.5	40	137	66	15	37		1/4"-20G	4	10	
25(1")	25	85	115	32	PT 1"	14	4	22.0	144	144	187	162.0	40	137	66	17	40		1/4"-20G	4	10	
32(1-1/4")	38	100	140	40	PT1-1/4"	18	4	26.0	183	183	225	197.7	55	152	73	17	55		5/16"-18G	4	10	
40(1-1/2")	38	110	150	50	PT1-1/2"	18	4	31.0	183	183	232	197.7	55	152	73	19	55		5/16"-18G	4	10	
50(2")	48	120	165	63	PT 2"	18	4	37.5	202	202	253	208.3	55	152	85	21	68		5/16"-18G	4	10	
65(2-1/2")	65	145	185	75	PT2-1/2"	18	4	43.5	228	228	282	263.2	68	230	98	21	80	41	5/16"-18G	8	7	
80(3")	78	160	200	90	PT 3"	18	8	51.0	270	270	327	307.7	85	271	110	22	80	41	5/16"-18G	8	7	
100(4")	102	180	220	110	PT 4"	18	8	61.0	324	324	385	326.0	80	360	14	22	121	50	5/16"-18G	8	7	



PNEUMATIC ACTUATED BALL VALVE (SPRING RETURN TYPE)



MOUNTING PAD

CQ Series

單式氣動球閥

SOCKET CQ100 / THREAD CQ200 / FLANGED CQ300
Size: 1/2"-4"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	9	BODY O-RING	2	EPDM,VITON
2	BALL	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF
3	BODY	1	UPVC, PP, CPVC, PVDF	11	BRASS INSERTS	4...15-50 8...65-100	BRASS
4	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	FLANGE	2	UPVC, PP, CPVC, PVDF
5	END CONNECTOR	2	UPVC, PP, CPVC, PVDF	13	MOUNTING BRACKET	1	SU304
6	SEAT	2	PTFE	14	STEM TRANSMIT HOUSING	1	SU304
7	STEM O-RING	1...15-50 2...65-100	EPDM,VITON	15	PNEUMATIC ACTUATORS	1	ECRLD ALLUMINUM ALLOY
8	SEAT CARRIER O-RING	1	EPDM,VITON				

* 氣缸動作壓力(氣壓) : 最小5kg/cm²
最大8kg/cm²

DIMENSIONS TABLE

JIS																				Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (kgf/cm ²)
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	15	70	95	22	PT1/2"	15	4	22.2	115	115	152	151.6	40	137	66	15	31		3/16"-24G	4	10
20(3/4")	19	75	100	26	PT3/4"	15	4	25.4	128	128	163	157.5	40	137	66	15	37		1/4"-20G	4	10
25(1")	25	90	125	32	PT 1"	19	4	28.6	144	144	187	162.0	40	137	66	17	40		1/4"-20G	4	10
32(1-1/4")	38	100	135	38	PT1-1/4"	19	4	31.8	183	183	225	197.7	55	152	73	17	55		5/16"-18G	4	10
40(1-1/2")	38	105	140	48	PT1-1/2"	19	4	34.9	183	183	232	197.7	55	152	73	19	55		5/16"-18G	4	10
50(2")	48	120	155	60	PT 2"	19	4	38.1	202	202	253	208.3	55	152	85	21	68		5/16"-18G	4	10
65(2-1/2")	65	140	175	76	PT2 1/2"	19	4	44.5	228	228	282	263.2	68	230	98	21	80	41	5/16"-18G	8	7
80(3")	78	150	185	89	PT 3"	19	8	47.6	270	270	327	307.7	85	271	110	22	80	41	5/16"-18G	8	7
100(4")	102	175	210	114	PT 4"	19	8	57.2	324	324	385	326.0	80	360	140	22	121	50	5/16"-18G	8	7

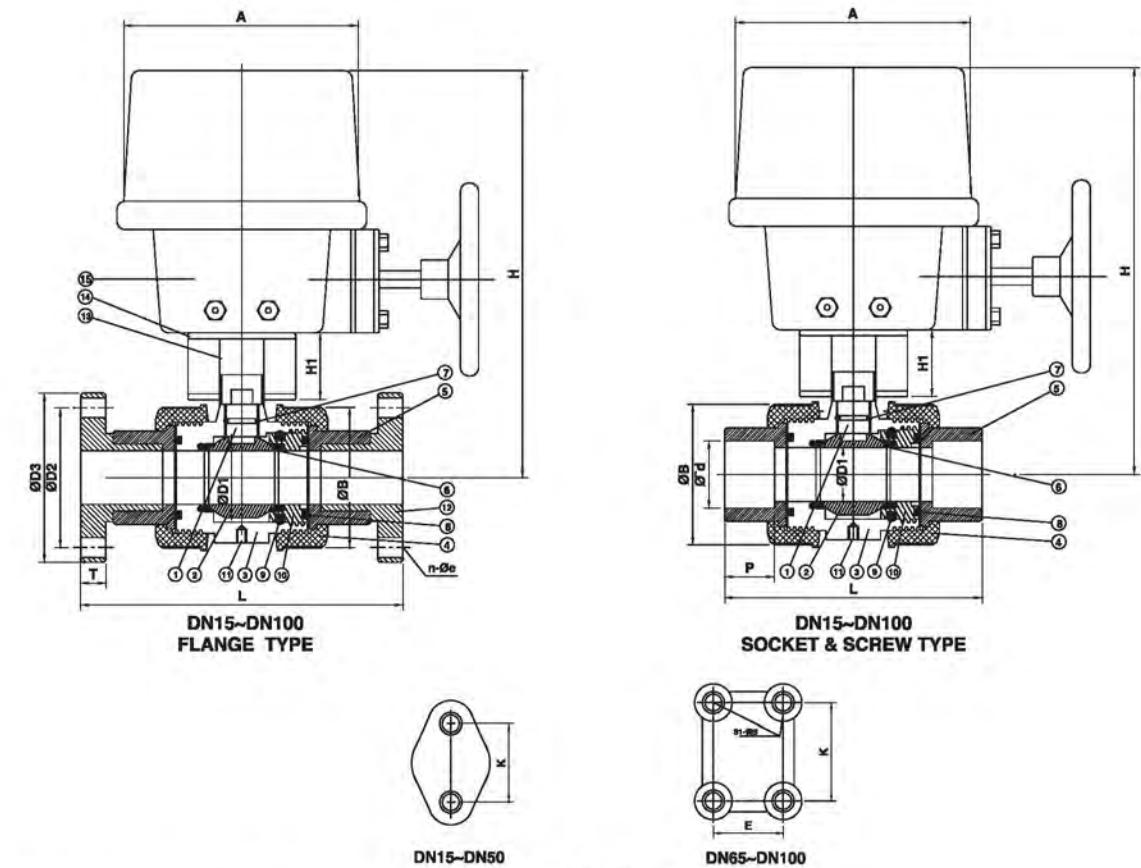
DIMENSIONS TABLE

ANSI																				Unit: inch	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (lb/in ²)
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	0.59	2.375	3.500	0.848	PT1/2"	0.625	4	0.875	4.527	4.527	5.984	5.97	1.57	5.39	2.60	0.59	1.22		3/16"-24G	4	148
20(3/4")	0.748	2.750	3.875	1.058	PT3/4"	0.625	4	1.000	5.039	5.039	6.417	6.20	1.57	5.39	2.60	0.59	1.45		1/4"-20G	4	148
25(1")	0.98	3.125	4.250	1.325	PT 1"	0.625	4	1.125	5.669	5.669	7.36	6.38	1.57	5.39	2.60	0.66	1.57		1/4"-20G	4	148
32(1-1/4")	1.496	3.500	4.625	1.670	PT1-1/4"	0.625	4	1.125	7.204	7.204	8.858	7.78	2.17	5.98	2.87	0.66	2.16		5/16"-18G	4	148
40(1-1/2")	1.496	3.875	5.000	1.912	PT1-1/2"	0.625	4	1.375	7.204	7.204	9.133	7.78	2.17	5.98	2.87	0.75	2.16		5/16"-18G	4	100
50(2")	1.89	4.750	6.000	2.387	PT 2"	0.75	4	1.500	7.952	7.952	9.960	8.20	2.17	5.98	2.87	0.83	2.67		5/16"-18G	4	100
65(2-1/2")	2.56	5.500	7.000	2.889	PT2 1/2"	0.75	4	1.750	8.976	8.976	11.102	10.36	2.68	9.06	3.86	0.83	3.15	1.61	5/16"-18G	8	100
80(3")	3.07	6.000	7.500	3.515	PT 3"	0.75	4	1.875	10.629	10.629	12.992	12.11	3.35	10.76	4.33	0.866	3.15	1.61	5/16"-18G	8	100
100(4")	4.01	7.500	9.000	4.518	PT 4"	0.75	8	2.250	12.755	12.755	15.157	12.83	3.15	14.17	6.10	0.866	4.76	1.97	5/16"-18G	8	100

DIN																				Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (kgf/cm ²)
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	15	65	95	20	PT1/2"	14	4	16.0	115	115	152	151.6	40	137	66	15	31		3/16"-24G	4	10
20(3/4")	19	75	105	25	PT3/4"	14	4	18.5	128	128	163	157.5	40	137	66	15	37		1/4"-20G	4	10
25(1")	25	85	115	32	PT 1"	14	4	22.0	144	144	187	162.0	40	137	66	17	40		1/4"-20G	4	10
32(1-1/4")	38	100	140	40	PT1-1/4"	18	4	26.0	183	183	225	197.7	55	152	73	17	55		5/16"-18G	4	10
40(1-1/2")	38	110	150	50	PT1-1/2"	18	4	31.0	183	183	232	197.7	55	152	73	19	55		5/16"-18G	4	10
50(2")	48	120	165	63	PT 2"	18	4	37.5	202	202	253	208.3	55	152	85	21	68		5/16"-18G	4	10
65(2-1/2")	65	145	185	75	PT2 1/2"	18	4	43.5	228	228	282	263.2	68	230	110	21	80	41	5/16"-18G	8	7
80(3")	78	160	200	90	PT 3"	18	8	51.0	270	270	327	307.7	85	271	110	22	80	41	5/16"-18G	8	7
100(4")	102	180	220	110	PT 4"	18	8	61.0	324	324	385	362.0	80	360	140	22	121	50	5/16"-18G	8	7



ELECTRIC ACTUATED BALL VALVE



CJ Series 電動球閥

SOCKET CJ100 / THREAD CJ200 / FLANGED CJ300
Size: 1/2"-4"

FEATURES:

1. Small HP, big torque, electrical-saving.
2. Light weight, compact, easy to install, long service life.
3. water proof.

OPTIONS:

1. AC single-phase 100/220V, 3-phase 220V, 380V, 160V
2. manual operation option.

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	9	BODY O-RING	2	EPDM, VITON
2	BALL	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF
3	BODY	1	UPVC, PP, CPVC, PVDF	11	BRASS INSERTS	4...15-50 8...65-100	BRASS
4	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	FLANGE	2	UPVC, PP, CPVC, PVDF
5	END CONNECTOR	2	UPVC, PP, CPVC, PVDF	13	COUPLING	1	SU304
6	SEAT	2	PTFE	14	MOUNTING BRACKET	1	SU304
7	STEM O-RING	1...15-50 2...65-100	EPDM, VITON	15	1/P CONTROL ACTUATOR	1	
8	SEAT CARRIER O-RING	1	EPDM, VITON				

DIMENSIONS TABLE

JIS																			Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	T	K	E	S	S1	Working press (kgf/cm ²)
				Socket	Thread				Socket	Thread	Flange									
15(1/2")	15	70	95	22	PT1/2"	15	4	22.2	115	115	152	203	42	106	15	31		3/16"-24G	4	10
20(3/4")	19	75	100	26	PT3/4"	15	4	25.4	128	128	163	206	42	106	15	37		1/4"-20G	4	10
25(1")	25	90	125	32	PT 1"	19	4	28.6	144	144	187	213	42	106	17	40		1/4"-20G	4	10
32(1-1/4")	38	100	135	38	PT1-1/4"	19	4	31.8	183	183	225	227	42	106	17	55		5/16"-18G	4	10
40(1-1/2")	38	105	140	48	PT1-1/2"	19	4	34.9	183	183	232	237	42	106	19	55		5/16"-18G	4	10
50(2")	48	120	155	60	PT 2"	19	4	38.1	202	202	253	349	60	190	21	68		5/16"-18G	4	10
65(2-1/2")	65	140	175	76	PT2-1/2"	19	4	44.5	228	228	282	359	60	190	21	80	41	5/16"-18G	8	7
80(3")	78	150	185	89	PT 3"	19	8	47.6	270	270	327	373	60	190	22	80	41	5/16"-18G	8	7
100(4")	102	175	210	114	PT 4"	19	8	57.2	324	324	385	388	76	230	22	121	50	5/16"-18G	8	7

DIMENSIONS TABLE

ANSI																				Unit: Inch	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	T	K	E	S	S1	Working press (lb/in ²)	
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	0.59	2.375	3.500	0.848	NPT1/2"	0.625	4	0.875	4.527	4.527	5.984	7.99	1.65	4.17	0.59	1.22		3/16"-24G	4	148	
20(3/4")	0.748	2.750	3.875	1.058	NPT3/4"	0.625	4	1.000	5.039	5.039	6.417	8.11	1.65	4.17	0.59	1.45		1/4"-20G	4	148	
25(1")	0.98	3.125	4.250	1.325	NPT 1"	0.625	4	1.125	5.669	5.669	7.36	8.39	1.65	4.17	0.66	1.57		1/4"-20G	4	148	
32(1-1/4")	1.496	3.500	4.625	1.670	NPT1-1/4"	0.625	4	1.250	7.204	7.204	8.858	8.94	1.65	4.17	0.66	2.16		5/16"-18G	4	148	
40(1-1/2")	1.496	3.875	5.000	1.912	NPT1-1/2"	0.625	4	1.375	7.204	7.204	9.133	9.33	1.65	4.17	0.75	2.16		5/16"-18G	4	100	
50(2")	1.89	4.750	6.000	2.387	NPT 2"	0.750	4	1.500	7.952	7.952	9.960	13.74	2.36	7.48	0.83	3.15		5/16"-18G	4	100	
65(2-1/2")	2.56	5.500	7.000	2.889	NPT2-1/2"	0.750	4	1.750	8.976	8.976	11.102	14.13	2.36	7.48	0.83	3.15	1.61	5/16"-18G	8	100	
80(3")	3.07	6.000	7.500	3.515	NPT 3"	0.750	4	1.875	10.629	10.629	12.992	14.68	2.36	7.48	0.866	3.29	1.61	5/16"-18G	8	100	
100(4")	4.01	7.500	9.000	4.518	NPT 4"	0.750	8	2.250	12.755	12.755	15.157	15.28	2.99	9.06	0.866	4.76	1.97	5/16"-18G	8	100	

DIN																			Unit: mm		
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	T	K	E	S	S1	Working press (kg/cm ²)	
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	15	65	95	20	R1/2"	14	4	16.0	115	115	152	203	42	106	15	31		3/16"-24G	4	10	
20(3/4")	19	75	105	25	R3/4"	14	4	18.5	128	128	163	203	42	106	15	37		1/4"-20G	4	10	
25(1")	25	85	115	32	R 1"	14	4	22.0	144	144	187	218	42	106	17	40		1/4"-20G	4	10	
32(1-1/4")	38	100	140	40	R1-1/4"	18	4	26.0	183	183	225	225	42	106	17	55		5/16"-18G	4	10	
40(1-1/2")	38	110	150	50	R1-1/2"	18	4	31.0	183	183	232	230	42	106	19	55		5/16"-18G	4	10	
50(2")	48	120	165	63	R 2"	18	4	37.5	202	202	253	343	60	190	20	68		5/16"-18G	4	10	
65(2-1/2")	65	145	185	75	R2-1/2"	18	4	43.5	228	228	282	353	60	190	20	80	41	5/16"-18G	8	7	
80(3")	78	160	200	90	R 3"	18	8	51.0	270	270	327	366	60	190	22	80	41	5/16"-18G	8	7	
100(4")	102	180	220	110	R 4"	18	8	61.0	324	324	385	383	76	230	22	121	50	5/16"-18G	8	7	



PNEUMATIC ACTUATED BUTTERFLY VALVE (DOUBLE ACTION TYPE)



BM Series 雙式氣動蝶閥

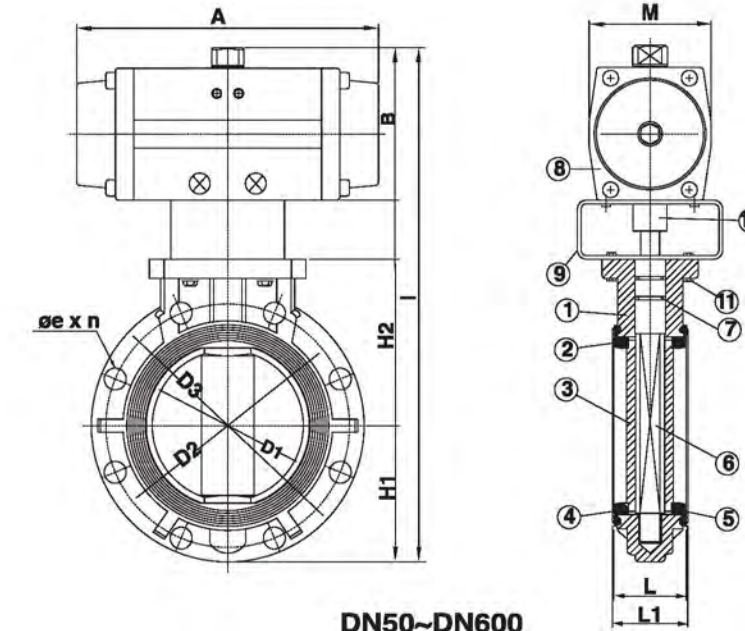
BM300
Size: 2"- 24"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PPG, PVDF
2	Seat	1	EPDM,VITON, NBR, HYPALON
3	Disc	1	UPVC, PP, CPVC, PPG, PVDF
4	Disc O'ring(A)	2	EPDM,VITON
5	Side O'ring(B)	2	EPDM,VITON
6	Stem	1	SUS410/304/316
7	Stem O'ring	2	EPDM,VITON
8	Control Actuator	1	
9	Mounting Bracket	1	SUS304
10	Coupling	1	ZINC,PLATED,CARBON STEEL

DIMENSIONS TABLE

JIS															Unit: mm		
Nom-Size DN (Inch)	D1	D2	D3	e	N No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (kgf/cm ²)		Working Press. (kgf/cm ²)	
														Body	Seat		
50(2")	57	120	166	19	4	35	42	83	102	152	103	313	73	15.0	12.0	10.0	
65(2 1/2")	70	140	184	19	4	37	46	92	110	152	103	330	73	15.0	12.0	10.0	
80(3")	80	150	200	19	8	37	46	100	118	202	120	363	85	15.0	12.0	10.0	
100(4")	102	175	230	19	8	47	56	115	134	202	120	404	85	15.0	12.0	10.0	
125(5")	130	210	254	23	8	57	66	127	160	230	130	472	98	15.0	12.0	10.0	
150(6")	153	240	290	23	8	62	71	145	177	271	145	507	110	15.0	12.0	10.0	
200(8")	203	290	337	23	12	76	87	168	204	360	185	607	155	15.0	12.0	10.0	
250(10")	255	355	400	25	12	96	111	200	235	360	185	670	176	15.0	12.0	10.0	
300(12")	312	400	483	25	16	116	132	239	289	462	246	804	176	10.5	8.5	7.0	
350(14")	358	445	520	25	16	116	132	259	305	462	246	884	220	10.5	8.5	7.0	
400(16")	398	510	600	27	16	153	169	302	353	575	290			9.0	7.0	6.0	
450(18")	451	565	640	27	20	166	181	317	365					7.5	6.0	5.0	
500(20")	500	620	711	27	20	171	190	365	405					5.0	4.0	3.5	
600(24")	600	730	813	33	24	191	209	425	460					5.0	4.0	3.5	



DN50~DN600

DIMENSIONS TABLE

ANSI															Uint: inch	
Nom-Size DN (inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Teat Press (lb / in ²)		Working Press (lb/in ²)
														Body	Seat	
50(2")	2.24	4.75	6.29	0.75	4	1.38	1.65	3.27	4.01	5.98	4.06	12.32	2.87	222	177	150
65(2 1/2")	2.83	5.50	7.24	0.75	4	1.46	1.81	3.62	4.33	5.98	4.06	12.99	2.87	222	177	150
80(3")	3.15	6.00	7.87	0.75	4	1.46	1.81	3.94	4.64	7.95	4.72	14.29	3.35	222	177	150
100(4")	3.03	7.50	9.06	0.75	8	1.85	2.20	4.53	5.28	7.95	4.72	15.91	3.35	222	177	150
125(5")	5.12	8.50	10.00	0.87	8	2.24	2.60	5.00	6.30	9.06	5.12	18.58	3.86	222	177	150
150(6")	6.02	9.50	11.42	0.87	8	2.44	2.80	5.71	6.97	10.67	5.71	19.96	4.33	222	177	150
200(8")	7.99	11.75	13.27	0.87	8	2.99	3.43	6.61	8.03	14.17	7.28	23.9	6.10	222	177	150
250(10")	10.00	14.25	15.75	0.98	12	3.78	4.37	7.87	9.25	14.17	7.28	26.38	6.10	222	177	150
300(12")	12.28	17.00	19.02	0.98	12	4.57	5.20	9.41	11.38	18.19	9.69	31.65	6.93	155	125	105
350(14")	14.09	18.75	20.47	1.14	12	4.57	5.20	10.20	12.01	18.19	9.69	34.8	6.93	155	125	105
400(16")	15.69	21.25	23.62	1.14	16	6.02	6.65	11.89	13.90	22.64	11.42	34.8	8.66	133	103	88
450(18")	17.75	22.75	25.20	1.26	16	6.54	7.13	12.48	14.37					111	88	74
500(20")	19.70	25.00	27.99	1.26	20	6.73	7.48	14.37	15.94					74	59	52
600(24")	23.66	29.50	32.00	1.38	20	7.52	8.23	16.73	18.11					74	59	52

Nom-Size DN (Inch)	DIN													Unit: mm		
	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (kgf/cm ²)		Working Press (kgf/cm ²)
														Body	Seat	
50(2")	57	125	166	18	4	35	42	83	102	152	103	313	73	15.0	12.0	10.0
65(2 1/2")	72	145	184	18	4	37	46	92	110	152	103	330	73	15.0	12.0	10.0
80(3")	80	160	200	18	8	37	46	100	118	202	120	363	85	15.0	12.0	10.0
100(4")	100	180	230	18	8	47	56	115	134	202	120	404	85	15.0	12.0	10.0
125(5")	130	210	254	23	8	57	66	127	160	230	130	472	98	15.0	12.0	10.0
150(6")	153	240	290	23	8	62	71	145	177	271	145	507	110	15.0	12.0	10.0
200(8")	203	295	337	23	8	76	87	168	204	360	185	607	155	15.0	12.0	10.0
250(10")	255	350	400	23	12	96	111	200	235	360	185	670	155	15.0	12.0	10.0
300(12")	312	400	483	23	12	116	132	239	289	462	246	804	176	10.5	8.5	7.0
350(14")	358	460	520	23	16	116	132	259	305	462	246	884	176	10.5	8.5	7.0
400(16")	398	515	600	27	16	153	169	302	353	575	290	884	220	9.0	7.0	6.0
450(18")	451	565	640	27	20	166	181	317	365					7.5	6.0	5.0
500(20")	500	620	711	27	20	171	190	365	405					5.0	4.0	3.5
600(24")	600	725	813	30	20	191	201	425	460					5.0	4.0	3.5

*Standard dimensions based on PVC material



PNEUMATIC ACTUATED BUTTERFLY VALVE (Spring Return Type)



BN Series 單式氣動蝶閥

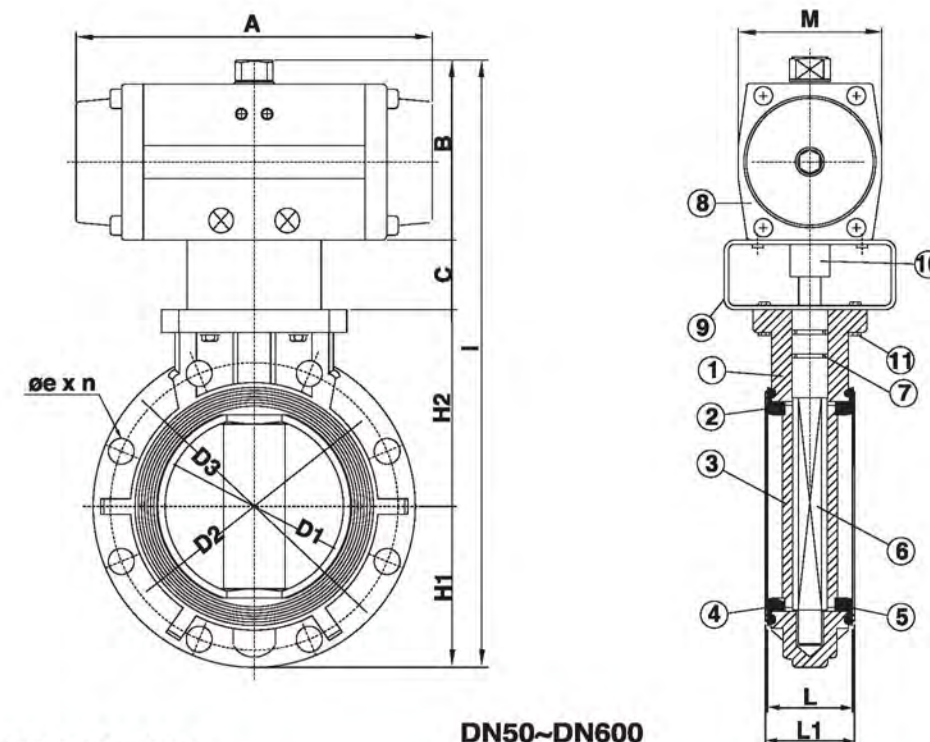
BN300
Size: 2"- 24"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, PVDF, PPG, CPVC
2	Seat	1	EPDM, VITON, NBR, HYPALON
3	Disc	1	UPVC, PP, PVDF, PPG, CPVC
4	Disc O'ring(A)	2	EPDM, VITON
5	Disc O'ring(B)	2	SUS410/304/316
6	Stem	1	EPDM, VITON
7	Stem O'ring	2	EPDM, VITON
8	Actuator	1	
9	Mounting Bracket	1	SUS304
10	Coupling	1	ZINC, PLATED, CARBON STEEL

DIMENSIONS TABLE

JIS															Unit: mm	
Nom. Size DN(Inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (kgf/cm ²)		Working Press (kgf/cm ²)
														Body	Seat	
50(2")	57	120	166	19	4	35	42	83	102	202	120	313	85	15.0	12.0	10.0
65(21/2")	70	140	184	19	4	37	46	92	110	202	120	330	85	15.0	12.0	10.0
80(3")	80	150	200	19	8	37	46	100	118	230	130	363	98	15.0	12.0	10.0
100(4")	102	175	230	19	8	47	56	115	134	230	130	404	98	15.0	12.0	10.0
125(5")	130	210	254	23	8	57	66	127	160	271	145	472	110	15.0	12.0	10.0
150(6")	153	240	290	23	8	62	71	145	177	271	145	507	110	15.0	12.0	10.0
200(8")	203	290	337	23	12	76	87	168	204	462	246	607	176	15.0	12.0	10.0
250(10")	255	355	400	25	12	96	111	200	235	462	246	670	176	15.0	12.0	10.0
300(12")	312	400	483	25	16	116	132	239	289	575	290	804	220	10.5	8.5	7.0
350(14")	358	445	520	25	16	116	132	259	305	575	290	884	220	10.5	8.5	7.0
400(16")	398	510	600	27	16	153	169	302	353					9.0	7.0	6.0
450(18")	451	565	640	27	20	166	181	317	365					7.5	6.0	5.0
500(20")	500	620	711	27	20	171	190	365	405					5.0	4.0	3.5
600(24")	600	730	813	33	24	191	209	425	460					5.0	4.0	3.5



DN50~DN600

DIMENSIONS TABLE

ANSI															Unit: inch	
Nom. Size DN(Inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (lb/in ²)		Working Press (lb/in ²)
														Body	Seat	
50(2")	2.24	4.75	6.29	0.75	4	1.38	1.65	3.27	4.01	7.95	4.72	12.32	3.35	222	177	150
65(2 1/2")	2.83	5.50	7.24	0.75	4	1.46	1.81	3.62	4.33	7.95	4.72	12.99	3.35	222	177	150
80(3")	3.15	6.00	7.87	0.75	4	1.46	1.81	3.94	4.64	9.06	5.12	14.29	3.86	222	177	150
100(4")	3.93	7.50	9.06	0.75	8	1.85	2.20	4.53	5.28	9.06	5.12	15.91	3.86	222	177	150
125(5")	5.12	8.50	10.00	0.87	8	2.24	2.60	5.00	6.30	10.67	5.71	18.58	4.33	222	177	150
150(6")	6.02	9.50	11.42	0.87	8	2.44	2.80	5.71	6.97	10.67	5.71	19.96	4.33	222	177	150
200(8")	7.99	11.75	13.27	0.87	8	2.99	3.43	6.61	8.03	18.19	9.69	23.9	6.93	222	177	150
250(10")	10.00	14.25	15.75	0.98	12	3.78	4.37	7.87	9.25	18.19	9.69	26.38	6.93	222	177	150
300(12")	12.28	17.00	19.02	0.98	12	4.57	5.20	9.41	11.38	22.64	11.42	31.65	8.66	155	125	105
350(14")	14.09	18.75	20.47	1.14	12	4.57	5.20	10.20	12.01	22.64	11.42	34.8	8.66	155	125	105
400(16")	15.69	21.25	23.62	1.14	16	6.02	6.65	11.89	13.90					133	103	88
450(18")	17.75	22.75	25.20	1.26	16	6.54	7.13	12.48	14.37					111	88	74
500(20")	19.70	25.00	27.99	1.26	20	6.73	7.48	14.37	15.94					74	59	52
600(24")	23.66	29.50	32.00	1.38	20	7.52	8.23	16.73	18.11					74	59	52

DIN															Unit: mm	
Nom. Size DN(Inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (kgf/cm ²)		Working Press (kgf/cm ²)
														Body	Seat	
50(2")	57	125	166	18	4	35	42	83	102	202	120	313	85	15.0	12.0	10.0
65(2 1/2")	72	145	184	18	4	37	46	92	110	202	120	330	85	15.0	12.0	10.0
80(3")	80	160	200	18	8	37	46	100	118	230	130	363	98	15.0	12.0	10.0
100(4")	100	180	230	18	8	47	56	115	134	230	130	404	98	15.0	12.0	10.0
125(5")	130	210	254	18	8	57	66	127	160	271	145	472	110	15.0	12.0	10.0
150(6")	153	240	290	23	8	62	71	145	177	271	145	507	110	15.0	12.0	10.0
200(8")	203	295	337	23	8	76	87	168	204	462	246	607	176	15.0	12.0	10.0
250(10")	255	350	400	23	12	96	111	200	235	462	246	670	176	15.0	12.0	10.0
300(12")	312	400	483	23	12	116	132	239	289	575	290	804	220	10.5	8.5	7.0
350(14")	358	460	520	23	16	116	132	259	305	575	290	884	220	10.5	8.5	7.0
400(16")	398	515	600	27	16	153	169	302	353					9.0	7.0	6.0
450(18")	451	565	640	27	20	166	181	317	365					7.5	6.0	5.0
500(20")	500	620	711	27	20	171	190	365	405					5.0	4.0	3.5
600(24")	600	725	813	30	20	191	209	425	460					5.0	4.0	3.5

※ Standard dimensions based on PVC material



BATTERFLY VALVE (ELECTRIC ACTUATED TYPE)



BP Series

旋轉凡而 (電動式)

BP300 Size: 2"- 14"

產品特性：

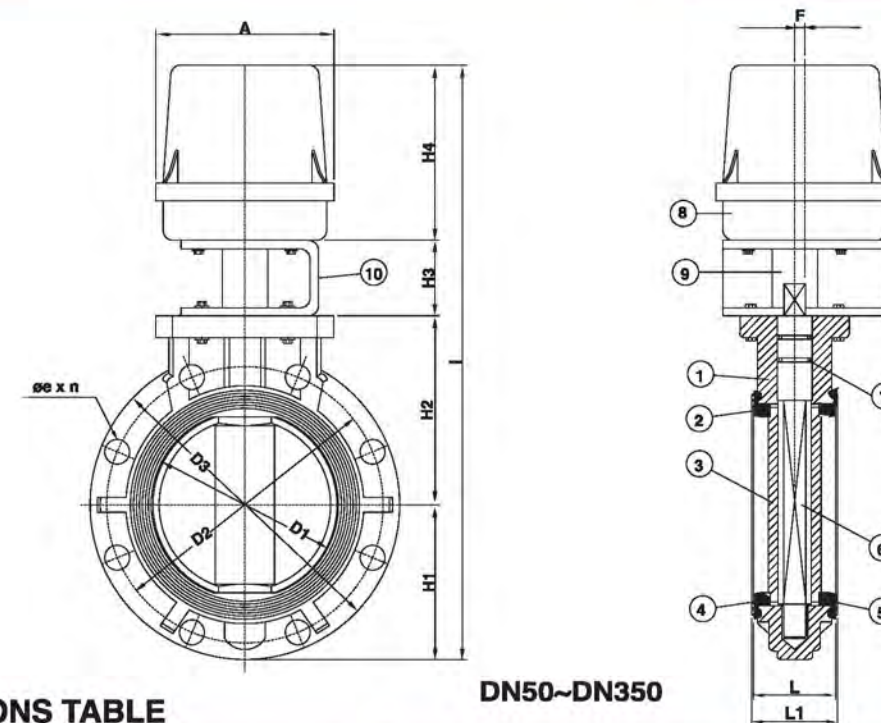
- 1.馬力小，用電省，扭力大，控制角度到達自動切斷電源，保持在不用電的狀態，節約能源，降低成本。符合電壓 AC100V,200V 單向，AV200V,380V,440V，三相，可供選。
- 2.協羽旋轉凡而，設計簡單、質輕、堅固適用於空間有限，維修其短之場合。旋轉90即全開、全關，適用於調節流量，易磨損或黏稠性之流體，及抗酸、耐。
- 3.開吞速度平穩，能消除管內水錘，增加管件壽命。馬達裝有溫度保護開關凡而如有異物卡住，馬達亦不會燒毀。
- 4.機種多，可任選擇，有不附手動型或有附手動型，再停電時，可用手動操作開關。裝配附件少，只有一條電線即能完成自動控制，為你節省人力、物力、財力支出達到自動化目的。

Features of the Product:

- 1.Low horse power,low power consumption,big torsion power can be cut off automatically when control angle has been reached. It maintains at the condition of no power consumption to save energy and to reduce cost for conforming to AC110V,220V single phase, AV 220V,380V,440V,3 phase power supply.
- 2.they are simple,lightweight and compact,and are ideal for use where either space is limited or service and maintenance must be performed quickly.Because they require only 90 to fully open or close. Shie Yu Butterfly Valves are easily automated and are widely used as efficient throttling or flow regulating valves. Additionally,they are excellent for handling abrasive or slurry-type fluids. Of course, they are acid & alkali proof and anti-corrosion.
- 3.Starting speed is very stable and moisture in the pipeline can be expelled so that the service life of the pipe is increasing. The motor is equipped with temperature Protection switching valve to enable it not to be burnt out even seized with rust.
- 4.Various models are available for the choice of the customers.Manual control model and non-manual control model are also workable Upon power outage,it can be switched manually. It is simple design with less fitting accessories,So. One electric wire can complete automatic control in order to save workmanship,materials,and money for the customers to attain the goal for automation.

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC,PP,PVDF,CPVC,PPG	6	Stem	1	SUS410/304/316
2	Seat	1	EPDM,VITON,NBR,HYPALON	7	Stem O'ring	2	EPDM,VITON
3	Disc	1	UPVC,PP,PVDF,CPVC,PPG	8	Electric Actuator	1	
4	Disc O'ring(A)	2	EPDM,VITON	9	Mounting Bracket	1	SUS304
5	Disc O'ring(B)	2	EPDM,VITON	10	Coupling	1	ZINC,PLATED,CARBON STEEL



DIMENSIONS TABLE

DN50~DN350

Nom. Size DN(Inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	H3	H4	I	A	F	Test Press (kgf/cm ²)		Working Press (kgf/cm ²)	Allowed Voltage (V/A)
															Body	Seat		
50(2")	57	120	160	19	4	35	42	83	102	61	145	391	150	28	15.0	12.0	10.0	110/220
65(2 1/2")	70	140	184	19	4	37	46	92	110	61	145	408	150	28	15.0	12.0	10.0	110/220
80(3")	80	150	200	19	8	37	46	100	118	61	145	424	150	28	15.0	12.0	10.0	110/220
100(4")	102	175	230	19	8	47	56	115	134	61	145	455	150	28	15.0	12.0	10.0	110/220
125(5")	130	210	254	23	8	57	66	127	160	61	145	493	150	28	15.0	12.0	10.0	110/220
150(6")	153	240	290	23	8	62	71	145	177	71	200	593	190	23	15.0	12.0	10.0	110/220
200(8")	203	290	337	23	12	76	87	168	204	71	200	643	190	23	15.0	12.0	10.0	110/220
250(10")	255	355	400	25	12	96	111	200	235	71	200	706	190	23	15.0	12.0	10.0	110/220
300(12")	312	400	483	25	16	116	132	239	289	71	200	799	190	23	10.5	8.5	7.0	110/220
350(14")	358	445	520	25	16	116	132	259	305	71	200	835	190	23	10.5	8.5	7.0	110/220

Nom. Size DN(Inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	H3	H4	I	A	F	Test Press (kgf/cm ²)		Working Press (lb/in ²)	Allowed Voltage (V/A)
															Body	Seat		
50(2")	2.24	4.75	6.30	0.75	4	1.38	1.65	3.27	4.01	2.36	5.71	15.39	5.91	1.10	222	177	150	110/220
65(2 1/2")	2.83	5.50	7.24	0.75	4	1.46	1.81	3.62	4.33	2.36	5.71	16.06	5.91	1.10	222	177	150	110/220
80(3")	3.15	6.00	7.87	0.75	4	1.46	1.81	3.94	4.64	2.36	5.71	16.69	5.91	1.10	222	177	150	110/220
100(4")	4.01	7.50	9.06	0.75	8	1.85	2.20	4.53	5.28	2.36	5.71	17.91	5.91	1.10	222	177	150	110/220
125(5")	5.12	8.50	10.00	0.87	8	2.24	2.60	5.00	6.30	2.36	5.71	19.41	5.91	1.10	222	177	150	110/220
150(6")	6.02	9.50	11.42	0.87	8	2.44	2.80	5.71	6.97	2.80	7.87	23.35	7.48	0.91	222	177	150	110/220
200(8")	7.99	11.75	13.27	0.87	8	2.99	3.43	6.61	8.03	2.80	7.87	35.31	7.48	0.91	222	177	150	110/220
250(10")	10.00	14.25	15.75	0.98	12	3.78	4.37	7.87	9.25	2.80	7.87	27.79	7.48	0.91	222	177	150	110/220
300(12")	12.28	17.00	19.02	0.98	12	4.57	5.20	9.41	11.38	2.80	7.87	31.46	7.48	0.91	155	125	105	110/220
350(14")	14.09	18.75	20.47	1.14	12	4.57	5.20	10.20	12.01	2.80	7.87	32.87	7.48	0.91	155	125	105	110/220

Nom. Size DN(Inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	H3	H4	I	A	F	Test Press (kgf/cm ²)		Working Press (kgf/cm ²)	Allowed Voltage (V/A)
															Body	Seat		
50(2")	57	125	166	18	4	35	42	83	102	61	145	391	150	28	15.0	12.0	10.0	110/220
65(2 1/2")	72	145	184	18	4	37	46	92	110	61	145	408	150	28	15.0	12.0	10.0	110/220
80(3")	80	160	200	18	8	37	46	100	118	61	145	424	150	28	15.0	12.0	10.0	110/220
100(4")	100	180	230	18	8	47	56	115	134	61	145	455	150	28	15.0	12.0	10.0	110/220
125(5")	130	210	254	18	8	57	66	127	160	61	145	493	150	28	15.0	12.0	10.0	110/220
150(6")	153	240	290	23	8	62	71	145	177	71	200	593	190	23	15.0	12.0	10.0	110/220
200(8")	203	295	337	23	8	76	87	168	204	71	200	643	190	23	15.0	12.0	10.0	110/220
250(10")	255	350	400	23	12	96	111	200	235	71	200	706	190	23	15.0	12.0	10.0	110/220
300(12")	312	400	483	23	12	116	132	239	289	71	200	799	190	23	10.5	8.5	7.0	110/220
350(14")	358	460	520	23	16	116	132	259	305	71	200	835	190	23	10.5	8.5	7.0	110/220

※ Standard dimensions based on PVC material



Other Products

其他產品 系列

Hi-Tech's, Hi-Quality's

● Material: UPVC, PP, PPG, CPVC, PVDF

● Size: 1/2"~10"

● 材質：UPVC, PP, PPG, CPVC, PVDF

● 尺寸：1/2"~10"





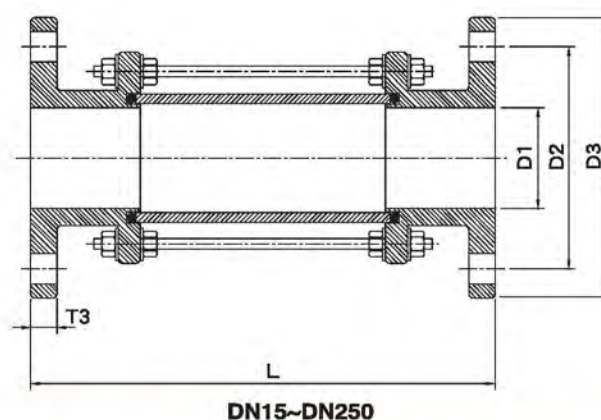
INSPECTION GLASS



El Series

液面計

El300
Size: 1/2"- 10"



DN15~DN250

Materials	UPVC , PP , CPVC , PPG , PVDF
SIZE	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 5", 6", 8", 10"
PRESSURE	WORKING: SIZE 1/2"~1" = 5 kg/cm ² , SIZE 1-1/4"~2" = 5 kg/cm ² , SIZE 2-1/2"~10" = 3 kg/cm ²
END CONNECTIONS	Flange ends in JIS 10K DIN ; ANSI;BS STANDARD
WORKING TEMP	UPVC: 0°~60°C , PP:-20°C~90°C , PPG: -20°C~100°C , PVDF:-40°C~120°C
FEATURES	Can be mounted horizontally or vertically internal device induces visible turbulence with minimum flow restriction

DIMENSIONS TABLE

Nom Size m/m(Inch)	D1	D2				D3				L	T
		JIS	DIN	ANSI	BS	JIS	DIN	ANSI	BS		
15(1/2")	16	70	65	2.38	2.62	95	95	3.50	3.75	176	12
20(3/4")	20	75	75	2.76	2.88	100	105	3.86	4.00	174	14
25(1")	25	90	85	3.13	3.25	125	115	4.25	4.50	222	16
32(1-1/4")	30	100	100	3.50	3.43	135	140	4.61	4.75	222	18
40(1-1/2")	40	105	110	3.88	3.88	140	150	5.00	5.25	224	18
50(2")	50	120	125	4.74	4.50	155	165	5.98	6.00	218	17
65(2-1/2")	65	140	145	5.89	5.00	175	185	7.00	6.50	240	18
80(3")	80	150	160	6.00	5.75	185	200	7.52	7.25	238	18
100(4")	100	175	180	7.50	7.00	210	220	9.02	8.50	274	20
125(5")	125	210	210	8.50	8.25	250	250	10.00	10.00	375	20
150(6")	150	240	240	9.51	9.25	280	285	10.98	11.00	386	20
200(8")	200	290	295	11.75	11.50	330	340	13.50	13.25	420	25
250(10")	250	355	350	14.25	14.00	400	395	15.98	16.00	445	28



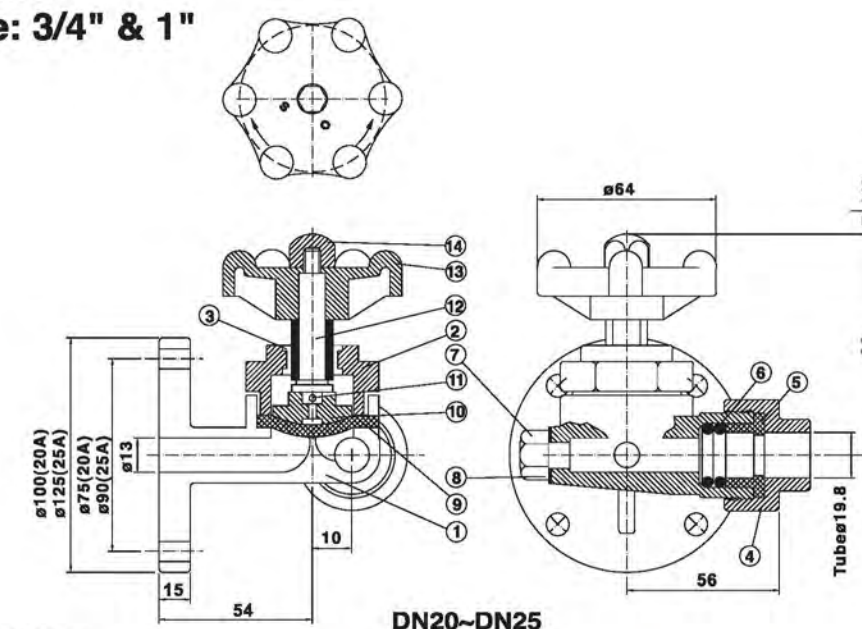
GAUGE VALVE



EG Series

水位計凡而

EG300
Size: 3/4" & 1"



DN20~DN25

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC,PP,PPG,PVDF	8	Leaking Hole O'ring	1	EPDM,VITON
2	Bonnet	1	UPVC,PP,PPG,PVDF	9	Diaphragm	1	EPDM,VITON
3	Inserted Metal Of Bonnet	1	BRASS	10	Compressor	1	BRASS
4	Tube Holder	1	UPVC,PP,PPG,PVDF	11	Set Pin	2	SUS304
5	O'ring Holder	1	UPVC,PP,PPG,PVDF	12	Stem	1	BRASS
6	Tube O'ring	2	EPDM,VITON	13	Handle	1	ABS
7	Leaking Hole Holder	1	UPVC,PP,PVDF	14	Handle Holder	1	UPVC

Flange Size	Nominal Size	Outer diameter of tube
20A-3/4"	14 m/m	18 m/m
25A-1"	14 m/m	18 m/m

※ Standard dimensions based on PVC material



Flange

法蘭 系列

Hi-Tech'S, Hi-Qualitly'S

● Material: UPVC, PP, CPVC, PVDF

● Size: 1/2"~24"

● 材質：UPVC, PP, CPVC, PVDF

● 尺寸：1/2"~24"



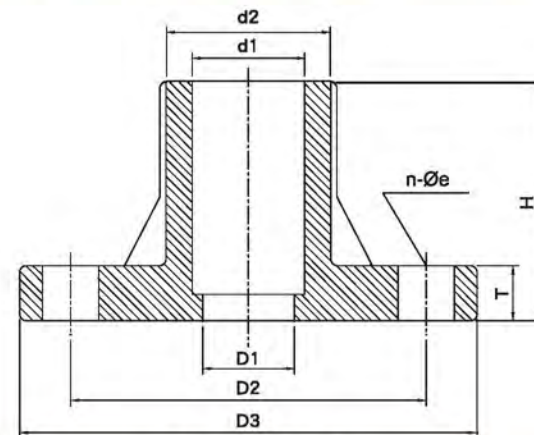


TS FLANGE ONE PIECE FLANGE



TS Series TS 法蘭 UPVC&CPVC

FT100
Size: 1/2"- 12"
UPVC, CPVC, PP
TS-FLANGE



DN15~DN300

● DIMENSIONS TABLE

Size	d1		d2		D1		D2		D3		H		T		n		øe	
DN(mm)	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS
15-1/2"	21.64	22.4	29	31	18	17	60.33	70	88.9	95	48	36	12	15	4	4	15.88	15
20-3/4"	26.97	26.45	33	35	22	21	69.85	75	98.43	100	49	43	14	15	4	4	15.88	15
* 25-1"	33.78	32.55	40	42	28	25	79.38	90	107.95	125	50	46	14	15	4	4	15.88	19
25-1"	33.78	34.55	40	42	28	28	79.38	90	107.95	125	50	46	14	15	4	4	15.88	19
* 32-1 1/4"	42.55	38.6	51	48	35	31	88.9	100	117.5	135	54	50	16	16	4	4	15.88	19
32-1 1/4"	-	42.6	-	48	-	35	-	100	-	135	-	50	-	16	4	4	-	19
40-1 1/2"	48.72	48.7	61	62	41	41	98.43	105	127	140	65	60	16	16	4	4	15.88	19
50-2"	60.78	60.8	78	73	52	51	120.65	120	152.4	155	74	69	16	20	4	4	19.05	19
65-2 1/2"	73.56	76.6	92	88	67	66	139.7	140	177.8	175	82	69	18	20	4	4	19.05	19
80-3"	89.51	89.6	103	102	78	78	152.4	150	190.5	185	81	69	18	20	4	8	19.05	19
100-4"	114.99	114.7	132	133	100	100	190.5	175	228.6	210	92	90	18	23	8	8	19.05	19
125-5"	142.06	140.85	162	159	125	126	216	210	254	250	130	112	20	23	8	8	22.23	23
150-6"	169.09	166.0	192	186	150	146	241	240	279	280	165	141	20	27	8	8	22.23	23
200-8"	219.07	218.0	238	238	194	194	298	290	343	330	166	166	29	31	8	12	22.23	23
250-10"	273.81	268.0	-	290	-	247	362	355	406	400	-	200	33	33	12	12	25	25
300-12"	324.61	319.0	-	342	-	298	432	400	483	445	-	203	35	35	12	16	25	25

* d1 符合日本JIS管用

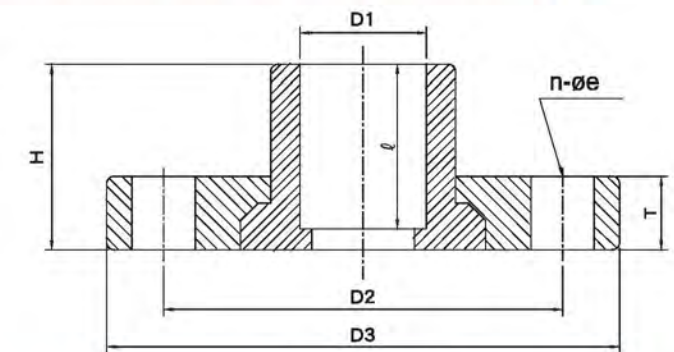


VAN STONE FLANGE



VS Series 二片式法蘭 UPVC&CPVC

VS100
Size: 1/2"- 24"
UPVC & CPVC
VAN STONE FLANGE
150 PS1/SCH 80



DN15~DN600

● DIMENSIONS TABLE

Nom.Size DN(Inch)	D1	D2	D3	H	T	l	n	ø
15(1/2")	1-1/32	2-3/8	3-1/2	1.0	1/2	2-1/32	4	9/16
20(3/4")	1-7/18	2-3/4	3-7/8	1-1/8	17/32	1-7/32	4	9/16
25(1")	1-3/4	3-1/8	4-1/4	1-9/32	21/32	1-9/32	4	19/32
32(1-1/4")	2-3/32	3-1/2	4-5/8	1-13/32	21/32	2-3/32	4	1/2
40(1-1/2")	2-3/8	3-7/8	4-31/32	1-1/2	23/32	3/4	4	5/6
50(2")	2-7/8	4-3/4	6.0	1-21/32	3/4	2-5/32	4	5/6
65(2-1/2")	3-19/32	5-1/2	6-31/32	1-21/32	15/16	1-3/8	4	5/6
80(3")	4-7/32	6.0	7-1/2	2-1/2	1.0	1-13/32	4	23/32
100(4")	5-1/4	7-1/2	9.0	2-1/2	13/32	1-13/32	8	23/32
150(6")	7-9/16	9-1/2	11-3/18	3-9/32	11/4	2-1/2	8	7/8
200(8")	9-3/8	11-3/4	13-1/2	4-5/8	1-13/32	3-1/18	8	7/8
250(10")	11-3/4	14-1/4	16.0	5-29/32	1-21/32	4-27/32	12	15/16
300(12")	13-11/16	17.0	18-15/18	7-17/32	1-21/32	6-1/2	12	1.0
350(14")	14-9/16	18-3/4	20-31/32	-	1-1/8	-	12	1-1/16
400(16")	16-9/16	21-1/4	23-1/2	-	1-1/8	-	16	1-1/8
▲ 450(18")	18-1/2	22-9/16	25	-	1-1/8	-	16	1-1/4
▲ 500(20")	20-1/2	25	27-1/2	-	1-1/8	-	20	1-1/4
▲ 600(24")	24-13/16	29-1/2	32	-	1-1/8	-	20	1-3/8

▲ 為手工製品 The ones with ▲ mark are the fabricated type

WELDING FLANGE BLIND FLANGE

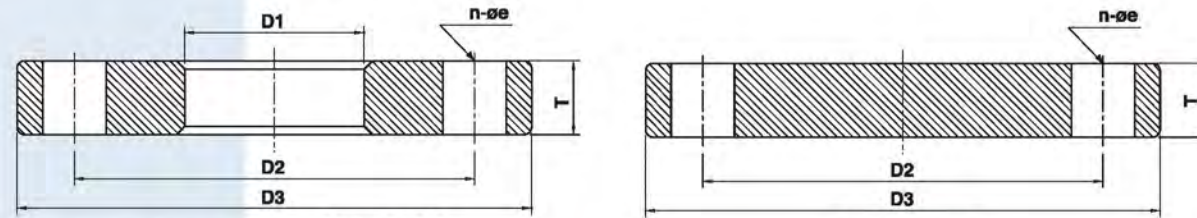


FW Series 焊接法蘭 盲法蘭

FW100(WELDING FLANGE) / FB100(BLIND FLANGE)

Size: 1/2" - 24"

UPVC, PP, CPVC, PVDF



DIMENSIONS TABLE

Non Size m/m(inch)	D1			D2			D3			T	e			n		
	JIS	ANSI	DIN	JIS	ANSI	DIN	JIS	ANSI	DIN		JIS	ANSI	DIN	JIS	ANSI	DIN
15(1/2")	22±1	22±0.4	20±1	70±0.5	60±0.5	65	95±1	89±1	95	16±1	15	16	14	4	4	
20(3/4")	26±1	26±0.4	25±1	75±0.5	70±0.5	75	100±1	98±1	105	14±1	15	16	14	4	4	4
25(1")	32±1	34±0.4	32±1	90±0.5	79±0.5	85	125±1	108±1	115	18±1	19	16	14	4	4	
32(1-1/4")	38±1	42±0.4	40±1	100±0.5	89±0.5	100	135±1	117±1	140	18±1	19	16	18	4	4	4
40(1-1/2")	48±1	48±0.4	50±1	105±0.5	98±0.5	110	140±1	127±1	150	19±1	19	16	18	4	4	4
50(2")	60±1	60±0.6	63±2	120±1.5	121±1.5	125	155±1	152±1	165	19±1	19	19	18	4	4	4
65(2-1/2")	76±1	76±0.6	75±2	140±1	140±1	145	175±1.5	178±1.5	185	19±1	19	19	18	4	4	4
80(3")	89±1	89±0.6	90±1	150±1	152±1	160	185±1.5	191±1.5	200	23±1	19	19	18	8	4	8
100(4")	114±1	114±0.6	110±1	175±1	191±1	180	210±1.5	229±1.5	220	23±1	19	19	18	8	8	8
125(5")	140±1.5	140±0.8	140±1.5	210±1.25	216±1.25	210	250±1.5	254±1.5	250	23±1	23	22	18	8	8	8
150(6")	165±1.5	165±1	160±1.5	240±1.25	241±1.25	240	280±1.5	279±1.5	285	23±1	23	22	23	8	8	8
200(8")	216±1.5	216±2	200±1.5	290±1.25	298±1.25	295	330±1.5	343±1.5	340	23±1	23	22	23	12	8	8
250(10")	267±1.5	267±3	250±1.5	355±1.25	362±1.25	350	400±2	406±2	395	21±1	25	25	23	12	12	12
300(12")	318±2	318±3	315±2	400±1.25	432±1.25	400	445±2	483±2	445	21±1	25	25	26	16	12	12
350(14")	370±2	370±3	355±2	445±1.25	476±1.25	460	490±2	533±2	505	28±2	25	29	26	16	12	16
400(16")	420±2	420±3.5	400±2	510±1.25	540±1.5	515	560±2	597±2	565	28±2	27	29	26	16	16	16
450(18")	470±2	470±3.5	450±2	565±1.5	578±1.5	565	620±2	635±2	620	28±2	27	32	28	20	16	20
500(20")	520±2	520±3.5	500±2	620±1.5	635±1.5	620	675±2	699±2	670	28±2	27	32	28	20	20	20
600(24")	630±2	630±3.5	630±2	730±1.5	749±1.5	725	795±2	813±2	780	28±2	33	35	28	24	20	20



SCREW FLANGE

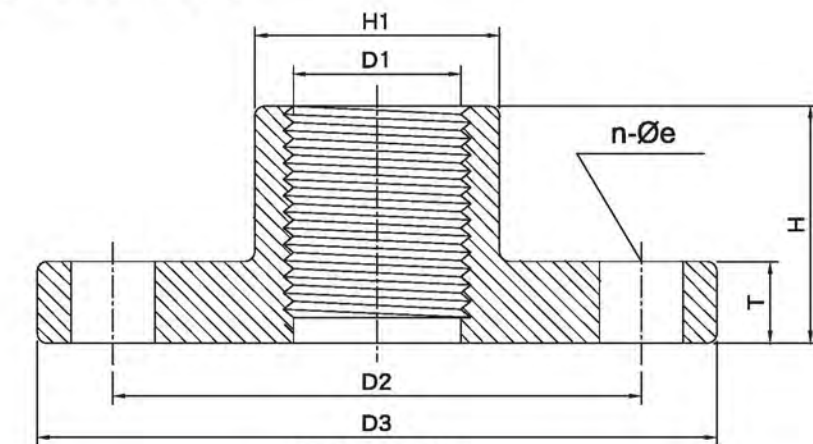


FS Series 牙口法蘭

FS200

Size: 1/2" - 4"

UPVC, PP, CPVC, PVDF



DIMENSIONS TABLE

Non Size m/m(inch)	D1			D2			D3			T	H	H1	e			n		
	JIS	ANSI	DIN	JIS	ANSI	DIN	JIS	ANSI	DIN				JIS	ANSI	DIN	JIS	ANSI	DIN
15(1/2")	PT-1/2"	NPT	R1/2"	70±0.5	60±0.5	65	95±1	89±1	95	12±1	19	35	15	16	14	4	4	4
20(3/4")	PT3/4"	NPT	R3/4"	75±0.5	70±0.5	75	100±1	98±1	105	14±1	22	44	15	16	14	4	4	4
25(1")	PT1"	NPT	R1"	90±0.5	79±0.5	85	125±1	108±1	115	14±1	22	52	19	16	14	4	4	4
32(1-1/4")	PT1-1/4"	NPT	R1-1/4"	100±0.5	89±0.5	100	135±1	117±1	140	14±1	23	56	19	16	18	4	4	4
40(1-1/2")	PT1-1/2"	NPT	R1-1/2"	105±0.5	98±0.5	110	140±1	127±1	150	16±1	23	66	19	16	18	4	4	4
50(2")	PT2"	NPT	R2"	120±0.5	121±0.5	125	155±1	152±1	165	16±1	26	84	19	19	18	4	4	4
65(2-1/2")	PT2-1/2"	NPT	R2-1/2"	140±1	140±1	145	175±1.5	178±1.5	185	16±1	28	105	19	19	18	4	4	4
80(3")	PT3"	NPT	R3"	150±1	152±1	160	185±1.5	191±1.5	200	18±1	30	118	19	19	18	8	4	8
100(4")	PT4"	NPT	R4"	170±1	191±1	180	210±1.5	229±1.5	220	18±1	33	140	19	19	18	8	8	8



Gasket

緊迫 系列

Hi-Tech'S, Hi-Qualitly'S

● Material: EPDM, PTFE, VITON

● Size: 1/2"~24"

● 材質：EPDM, PTFE, VITON

● 尺寸：1/2"~24"





GASKET



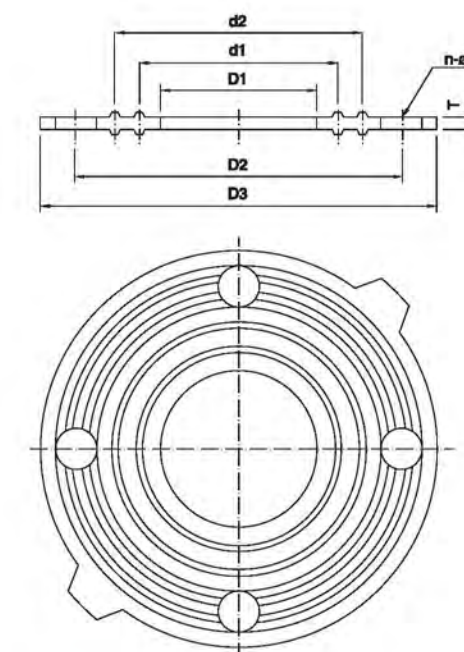
FG Series

迫緊

FG100
Size: 1/2"- 24"

● MATERIALS: EPDM, PTFE, VITON

JIS																	Unit:mm
Nom Size m/m(Inch)	D1	D2	D3	d1	d2	n	e	T	Nom Size m/m(Inch)	D1	D2	D3	d1	d2	n	e	T
15(1/2")	18	70	93	26	41	4	15	3	150(6")	150	240	278	168	190	8	23	3
20(3/4")	22	75	98	32	47	4	15	3	200(8")	198	290	328	216	248	12	23	3
25(1")	28	90	123	38	53	4	19	3	250(10")	250	355	398	270	306	12	25	3
32(1-1/4")	37	100	133	50	65	4	19	3	300(12")	300	400	443	324	356	16	25	3
40(1-1/2")	41	105	138	54	69	4	19	3	350(14")	350	445	488	368	390	16	25	3
50(2")	54	120	153	68	83	4	19	3	400(16")	404	510	558	433	455	16	27	3
65(2-1/2")	69	140	173	86	101	4	19	3	450(18")	470	550	620	485	508	20	27	3
80(3")	80	150	183	98	113	8	19	3	500(20")	520	620	675	550	575	20	27	3
100(4")	102	175	208	120	138	8	19	3	600(24")	630	730	795	650	675	24	33	3
125(5")	127	210	248	145	168	8	23	3									



● MATERIALS: EPDM, PTFE, VITON

ANSI																	Unit:inch
Nom Size m/m(Inch)	D1	D2	D3	d1	d2	n	e	T	Nom Size m/m(Inch)	D1	D2	D3	d1	d2	n	e	T
15(1/2")	18	60.33	86.90	25	37	4	15.8	3	150(6")	152	241.30	277.40	172	198	8	22.2	3
20(3/4")	22	69.85	96.43	31	43	4	15.8	3	200(8")	204	298.45	340.90	225	255	8	22.2	3
25(1")	30	79.38	105.95	40	53	4	15.8	3	250(10")	254	361.95	404.40	275	305	8	25.4	3
32(1-1/4")	40	88.90	117.48	52	65	4	15.8	3	300(12")	304	431.80	480.60	325	355	12	25.4	3
40(1-1/2")	43	98.43	125.00	55	70	4	15.8	3	350(14")	354	476.25	531.40	375	405	12	28.5	3
50(2")	54	120.65	150.40	70	84	4	19	3	400(16")	404	539.75	594.90	425	455	12	28.5	3
65(2-1/2")	69	139.70	175.80	86	102	4	19	3	450(18")	470	575.00	635.00	500	525	16	32	3
80(3")	82	152.40	188.50	100	114	4	19	3	500(20")	520	635.00	699.00	550	575	20	32	3
100(4")	102	190.50	226.60	126	147	8	19	3	600(24")	630	749.00	813.00	650	680	20	35	3
125(5")	127	215.90	252.00	149	171	8	22.2	3									

DIN																	Unit:mm
Nom Size m/m(Inch)	D1	D2	D3	d1	d2	n	e	T	Nom Size m/m(Inch)	D1	D2	D3	d1	d2	n	e	T
15(1/2")	18	65	93	26	41	4	14	3	150(6")	150	240	283	168	190	8	23	3
20(3/4")	22	75	103	32	47	4	14	3	200(8")	198	290	338	216	247	8	23	3
25(1")	30	85	113	38	53	4	14	3	250(10")	250	355	393	270	306	12	23	3
32(1-1/4")	40	100	133	50	65	4	18	3	300(12")	300	400	443	324	335	12	23	3
40(1-1/2")	43	110	148	54	69	4	18	3	350(14")	350	445	503	370	390	16	25	3
50(2")	54	125	163	68	83	4	18	3	400(16")	404	510	556	433	453	16	27	3
65(2-1/2")	69	145	183	86	101	4	18	3	450(18")	450	565	620	481	506	20	28	3
80(3")	80	160	198	98	112	8	18	3	500(20")	500	620	670	533	559	20	28	3
100(4")	102	175	218	120	138	8	18	3	600(24")	630	725	780	651	676	20	28	3
125(5")	127	210	248	145	166	8	18	3									