



PVDF Double Union Ball Valve

643

Compact double union ball valve with union ends for easy installation and removal.

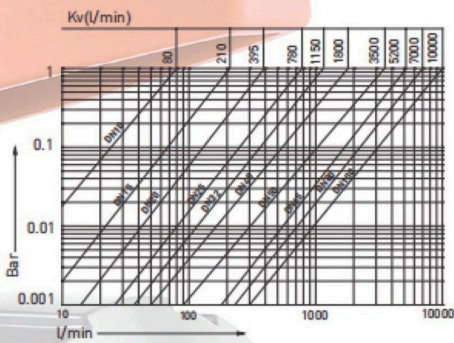
Material	PVDF
Size range	DN15-DN100 (1/2"-4")
Sealing ring	EPDM, FPM; FFKM optional (family description)
Pressure rating	PN16 at 23°C (family description)
Seat material	PTFE
Connection	DIN socket welding / butt welding



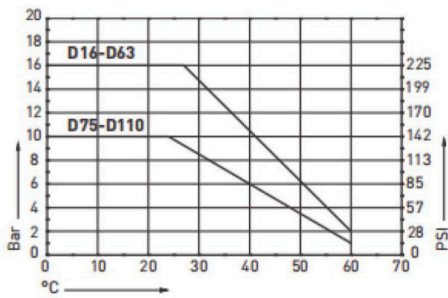
Ball valve technical data

技术数据
Technical Features

A 压头损失
Pressure Loss



B 最大工作压力
Max.Working Pressure



C 扭矩
Torque

D	Inch	Nm
16-20	3/8"-1/2"	0.5
25	3/4"	1.5
32	1"	2.5
40	1 1/4"	5.5
50	1 1/2"	7
63	2"	10
75	2 1/2"	20
90	3"	26
110	4"	28

备注

- A 阀门开启状态下，介质为 20℃时的水
B 压力 / 温度关系曲线，介质为水或无腐蚀流体
C 最大工作压力时的最大扭矩

Remarks

- A WITH WATER 20°C AND VALVE IN OPEN POSITION
B PRESSURE TEMPERATURE RATING FOR WATER AND HARMLESS FLUID
C MAXIMUM TORQUE AT MAXIMUM WORKING PRESSURE

阀门材料 Valve Material	密度 Density			酸 Acids		氧化剂 Oxidants	碱 Bases		溶剂 Solvents						油类 Oil	
	g/cm³	弱 Weak	强 Strong	氧化性 Oxidizing	氢氟酸 HF	卤素 Halogen	弱 Weak	强 Strong	醇 Alcohols	酯 Ester	酮 Ketone	醚 Ether	芳香烃 Aromatic Hydrocarbon	挥发油 Volatile Oil	合成油 Synthetic Oil	天然油 Natural Oil
PVC-U	1.38	+	+	+	+	+	+	+	O	-	-	-	-	+	+	+
橡胶类密封材料 Elastomers Seals																
EPDM	0.86	+	+	O	O	O	+	+	+	O	-	-	-	-	-	-
FPM	1.9	+	+	+	+	+	O	-	+	+	+	+	+	+	+	+
PTEE	2.17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

*耐腐蚀性 Corrosion resistance (+)=良好 Good resistant (O)=有条件耐受 Conditionally resistant (-)=不耐受 Not recommended

以上技术信息仅作为一般安装指导，特殊疑问请咨询我司相关技术部门。

ABOVE MENTIONED TECHNICAL INFORMATION SHOULD BE USED AS A GUIDE.PLEASE CONSULT OUR TECHICAL DEPARTMENT FOR SPECITIC QUESTIONS.



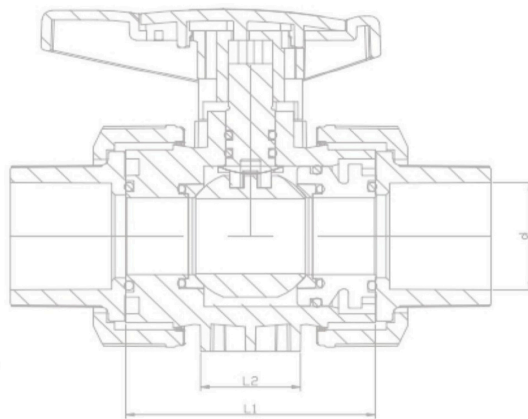
Ball valve description & section drawing

双由令球阀规格表

SPECIFICATION TABLE OF BALL VALVE

描述：

- 提供材质：PVC-U, PVC-C, PP-H, PVDF。
- 尺寸：DN15-DN100(1/2"-4")。
- 密封圈：EPDM、FPM、FFKM 可选。
- 提供承插口标准：公制 DIN、美标 ANSI、日标 JIS、BSPT、NPT。
- 螺纹标准：NPT、BSPS、G。
- 工作压力：PN16 (23℃)。
- PTFE 球垫密封。
- 有专用支架配电动或气动执行器。
- 螺纹密封支撑，允许系统带压拆卸阀门。
- 末端活接结构易于安装和拆卸。
- 手柄嵌入式设计可以作为开关支撑的工具，方便调节密封支撑及扭矩。
- 整体锁紧机构。
- 机械性能良好。
- 耐多种无机化学品腐蚀。
- 优异的流动性。



Description:

- Material: PVC-U, PVC-C, PP-H, PVDF.
- Size: DN15-DN100(1/2"-4").
- Sealing ring: EPDM, FPM, FFKM optional.
- Standard: provide socket metric DIN, ANSI, JIS, BSPT, NPT.
- Thread standards: NPT, BSPS, G
- Working pressure: PN16 (23°C)
- Ball seat in PTEE.
- Special corrosion resistant plastic support - to install electric or pneumatic actuators.
- Threaded seal carrier, it allows the disassembling of the valve while maintaining system pressure.
- Union ends for easy installation and removal.
- Handle built-in tool for easy adjustment of the threaded seal-carrier (and ball torque).
- Integrated fastening system.
- Good mechanical strength.
- Resistance to many inorganic chemicals.
- Excellent flow characteristics.

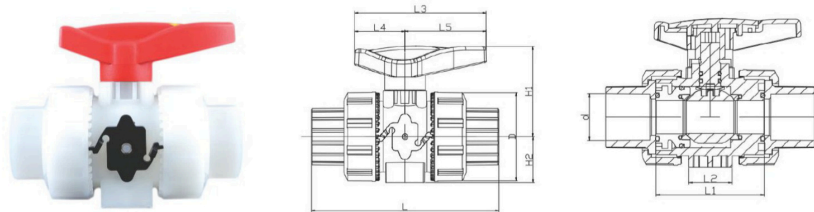




PVDF Double Union Ball Valve dimensions & order codes

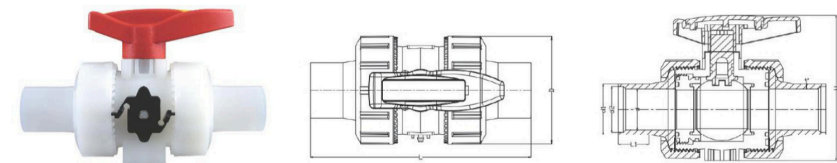
双由令球阀PVDF 643系列
BALL VALVE PVDF 643 SERIES

双由令球阀 PVDF 643--DIN (承插焊)
Ball Valve PVDF 643--DIN(Socket Welding)

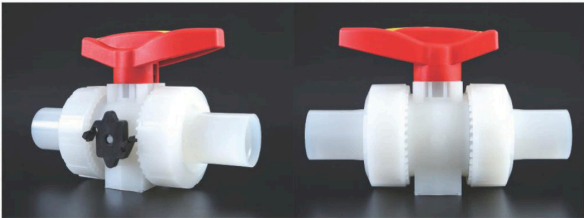
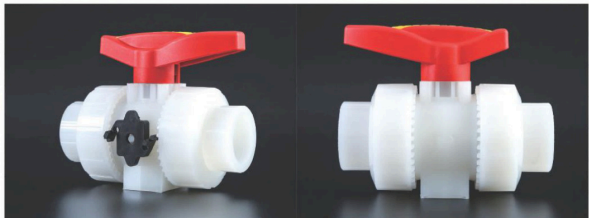


NOM		D	H1	H2	L	L1	L2	L3	L4	L5	d	承插焊/FPM Code
SIZE												
1/2"	DN15	51	53	27	119	64.5	24	68.6	28.6	40	20	643 44618
3/4"	DN20	60.6	68	32	109.5	65	30.4	102	39	63	25	643 44719
1"	DN25	69.5	71	36	144.6	75	30	102	39	63	32	643 44820
1 1/4"	DN32	85	87.8	45	160	85	37.2	125.8	48.2	77.6	40	643 44921
1 1/2"	DN40	100	89.3	52.3	160	90	37.2	125.8	48.2	77.6	50	643 45022
2"	DN50	124	116.4	64.2	194	112	41	155	59.4	95.6	63	643 45123
2 1/2"	DN65	164	166.5	87	245	133	45.5	/	/	209.6	75	643 45224
3"	DN80	200	189.5	105.5	269	147	51	/	/	228.8	90	643 45325
4"	DN100	234	214	121	312	166	62	/	/	299.5	110	643 45426

双由令球阀 PVDF 643--DIN (对焊, 1/2"-2")
Ball Valve PVDF 643--DIN (Butt Welding , 1/2"-2")



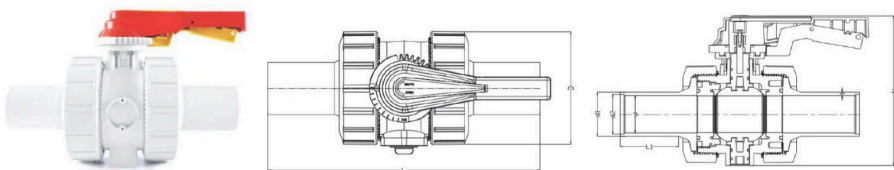
NOM		d1	d2	d	D	H	L1	L	t	对焊/FPM Code
SIZE										
1/2"	DN15	20.1	16.3	15.5	51.1	80.4	40.5	171.6	2.3	643 45619
3/4"	DN20	25.1	21.3	20.2	60.6	100.6	43.2	177	2.5	643 45720
1"	DN25	32.1	27.3	26	69.5	107.3	47	193.1	3.1	643 45821
1 1/4"	DN32	40.2	35.4	32.2	85	134.2	35	209.6	4	643 45922
1 1/2"	DN40	50.2	44	41	100	145.2	39	221	4.6	643 46023
2"	DN50	63.2	57	51	124	181.3	37	249	6.1	643 46124





PVDF Double Union Ball Valve dimensions & order codes

双由令球阀 PVDF 643--DIN (对焊, 21/2"-4")
Ball Valve PVDF 643--DIN (Butt Welding, 21/2"-4")



NOM		d1	d2	d	D	H	L1	L	t	对焊/FPM Code
SIZE										
21/2"	DN65	75.2	68	64	164	253.5	95	389	5.6	643 46225
3"	DN80	90.4	81.8	80	200	295	100	427	5.2	643 46326
4"	DN100	110.5	99.9	96	234	335	125	486	7.3	643 46427

