



PVC-U Double Union Ball Valve

642

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

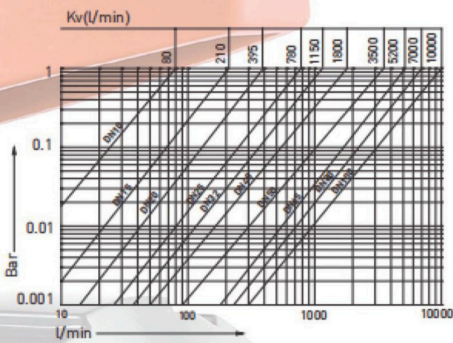
Material	PVC-U
Size range	DN15-DN100 (1/2"-4")
Sealing ring	EPDM, FPM; FFKM optional (family description)
Pressure rating	PN16 at 23°C (family description)
Seat material	PTFE
Connection	DIN, ANSI, JIS, BSPT, NPT



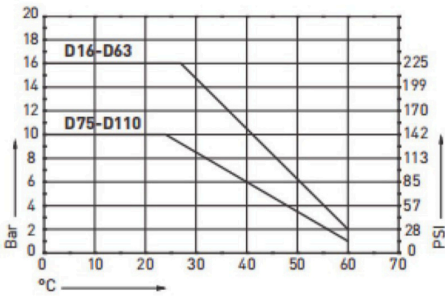
Ball valve technical data

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.



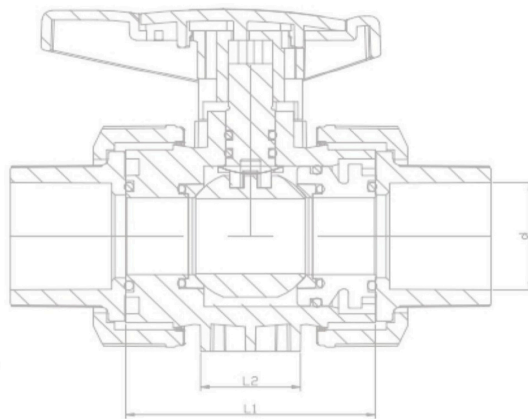
Ball valve description & section drawing

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.





HUAGONG WEIYE

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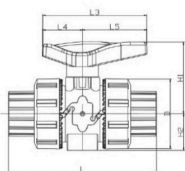
PVC-U Double Union Ball Valve dimensions & order codes

双由令球阀PVC-U 642系列 Ball Valve PVC-U 642 SERIES



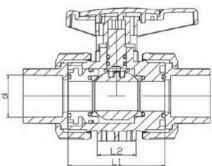
双由令球阀PVC-U 642--DIN
Ball Valve PVC-U 642--DIN

NOM		D	H1	H2	L	L1	L2	L3	L4	L5	d	EPDM Code	FPM Code
SIZE													
1/2"	DN15	51	53	27	119	64.5	24	68.6	28.6	40	20	642 10613	642 10713
3/4"	DN20	60.6	68	32	109.5	65	30.4	102	39	63	25	642 10714	642 10814
1"	DN25	69.5	71	36	144.6	75	30	102	39	63	32	642 10815	642 10915
1 1/4"	DN32	85	87.8	45	160	85	37.2	125.8	48.2	77.6	40	642 10916	642 11016
1 1/2"	DN40	100	89.3	52.3	160	90	37.2	125.8	48.2	77.6	50	642 11017	642 11117
2"	DN50	124	116.4	64.2	194	112	41	155	59.4	95.6	63	642 11118	642 11218
2 1/2"	DN65	164	166.5	87	245	133	45.5	/	/	209.6	75	642 11219	642 11319
3"	DN80	200	189.5	105.5	269	147	51	/	/	228.8	90	642 11320	642 11420
4"	DN100	234	214	121	312	166	62	/	/	299.5	110	642 11421	642 11521



双由令球阀PVC-U 642--ANSI
Ball Valve PVC-U 642--ANSI

NOM		D	H1	H2	L	L1	L2	L3	L4	L5	d	EPDM Code	FPM Code
SIZE													
1/2"	DN15	51	53	27	119	64.5	24	68.6	28.6	40	21.3	642 11614	642 11714
3/4"	DN20	60.6	68	32	109.5	65	30.4	102	39	63	26.7	642 11715	642 11815
1"	DN25	69.5	71	36	144.6	75	30	102	39	63	33.4	642 11816	642 11916
1 1/4"	DN32	85	87.8	45	160	85	37.2	125.8	48.2	77.6	42.2	642 11917	642 12017
1 1/2"	DN40	100	89.3	52.3	160	90	37.2	125.8	48.2	77.6	48.3	642 12018	642 12118
2"	DN50	124	116.4	64.2	194	112	41	155	59.4	95.6	60.3	642 12119	642 12219
2 1/2"	DN65	164	166.5	87	245	133	45.5	/	/	209.6	73.02	642 12220	642 12320
3"	DN80	200	189.5	105.5	269	147	51	/	/	228.8	88.9	642 12321	642 12421
4"	DN100	234	214	121	312	166	62	/	/	299.5	114.3	642 12422	642 12522



双由令球阀PVC-U 642--JIS
Ball Valve PVC-U 642--JIS

NOM		D	H1	H2	L	L1	L2	L3	L4	L5	d	EPDM Code	FPM Code
SIZE													
1/2"	DN15	51	53	27	119	64.5	24	68.6	28.6	40	22	642 12615	642 12715
3/4"	DN20	60.6	68	32	109.5	65	30.4	102	39	63	26	642 12716	642 12816
1"	DN25	69.5	71	36	144.6	75	30	102	39	63	32	642 12817	642 12917
1 1/4"	DN32	85	87.8	45	160	85	37.2	125.8	48.2	77.6	38	642 12918	642 13018
1 1/2"	DN40	100	89.3	52.3	160	90	37.2	125.8	48.2	77.6	48	642 13019	642 13119
2"	DN50	124	116.4	64.2	194	112	41	155	59.4	95.6	60	642 13120	642 13220
2 1/2"	DN65	164	166.5	87	245	133	45.5	/	/	209.6	76	642 13221	642 13321
3"	DN80	200	189.5	105.5	269	147	51	/	/	228.8	89	642 13322	642 13422
4"	DN100	234	214	121	312	166	62	/	/	299.5	114	642 13423	642 13523

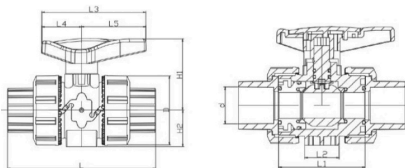


PVC-U Double Union Ball Valve dimensions & order codes



双由令球阀PVC-U 642--BSPT
Ball Valve PVC-U 642--BSPT

NOM		D	H1	H2	L	L1	L2	L3	L4	L5	EPDM Code	FPM Code
SIZE												
1/2"	DN15	51	53	27	119	64.5	24	68.6	28.6	40	642 13616	642 13716
3/4"	DN20	60.6	68	32	109.5	65	30.4	102	39	63	642 13717	642 13817
1"	DN25	69.5	71	36	144.6	75	30	102	39	63	642 13818	642 13918
1 1/4"	DN32	85	87.8	45	160	85	37.2	125.8	48.2	77.6	642 13919	642 14019
1 1/2"	DN40	100	89.3	52.3	160	90	37.2	125.8	48.2	77.6	642 14020	642 14120
2"	DN50	124	116.4	64.2	194	112	41	155	59.4	95.6	642 14121	642 14221
2 1/2"	DN65	164	166.5	87	245	133	45.5	/	/	209.6	642 14222	642 14322
3"	DN80	200	189.5	105.5	269	147	51	/	/	228.8	642 14323	642 14423
4"	DN100	234	214	121	312	166	62	/	/	299.5	642 14424	642 14524



双由令球阀PVC-U 642--NPT
Ball Valve PVC-U 642--NPT

NOM		D	H1	H2	L	L1	L2	L3	L4	L5	EPDM Code	FPM Code
SIZE												
1/2"	DN15	51	53	27	119	64.5	24	68.6	28.6	40	642 14617	642 14717
3/4"	DN20	60.6	68	32	109.5	65	30.4	102	39	63	642 14718	642 14818
1"	DN25	69.5	71	36	144.6	75	30	102	39	63	642 14819	642 14919
1 1/4"	DN32	85	87.8	45	160	85	37.2	125.8	48.2	77.6	642 14920	642 15020
1 1/2"	DN40	100	89.3	52.3	160	90	37.2	125.8	48.2	77.6	642 15021	642 15121
2"	DN50	124	116.4	64.2	194	112	41	155	59.4	95.6	642 15122	642 15222
2 1/2"	DN65	164	166.5	87	245	133	45.5	/	/	209.6	642 15223	642 15323
3"	DN80	200	189.5	105.5	269	147	51	/	/	228.8	642 15324	642 15424
4"	DN100	234	214	121	312	166	62	/	/	299.5	642 15425	642 15525

