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Datasheet

Pneumatic ball valve

Supmea[®]

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Datasheet

Pneumatic PVC ball valve



Parameters

Nominal diameter DN(mm)	DN15 - DN100
End connection	Double Union, Flange
Valve body material	UPVC(-10℃ - +70℃)、CPVC(-40℃ - +95℃)、RPP(-14℃ - +100℃)、PVDF(-40℃ - +140℃)
Spool material	UPVC(-10℃ - +70℃)、CPVC(-40℃ - +95℃)、RPP(-14℃ - +100℃)、PVDF(-40℃ - +140℃)
Seat material	PTFE、EPDM、NBR
Applicable medium	Chemical solvent

SIZE mm	Item	ØD	L	F	H	H1
DN15	HAT - 52D	Ø20	155	94	148	25
DN20	HAT - 52D	Ø25	155	114	160	30
DN32	HAT - 63D	Ø40	168	170	218	48
DN40	HAT - 63D	Ø50	168	170	218	48
DN50	HAT - 75D	Ø63	219	191	245	52.5
DN65	HAT - 75D	Ø75	219	242	275.5	66.5
DN80	HAT - 92D	Ø90	249	278	314.5	80
DN80	HAT - 92D	Ø94	249	278	314.5	80
DN100	HAT - 105D	Ø110	274	326	356	93.5

Datasheet

Pneumatic ball valve(thread type)



Parameters							
Nominal diameter DN(mm)	DN10 - DN100						
Nominal pressure	PN1.6/2.5/6.4MPa						
End connection	thread			Butt welded			
Main Parts	Valve body, valve cap	WCB	CF8(304)	CF8M(316)	WCB	CF8(304)	CF8M(316)
	Valve ball	2Cr13	304	316	2Cr13	304	316
	Valve stem	2Cr13	304	316	2Cr13	304	316
	O - ring、Packing		RPTFE、PPL				
Applicable Operating Condition	Applicable medium	Water、steam、oils	Nitric acid and other corrosive medium	Nitric acid and other corrosive medium	Water、steam、oils	Nitric acid and other corrosive medium	Nitric acid and other corrosive medium
	Applicable temperature	-29℃ - 180℃(RPTFE)、-29℃ - 300℃(PPL)					

SIZE		Item	H	L
mm	In(G)			
20	3/4"	HAT-52D	150	85
25	1"	HAT-63D	175	90
32	1 1/4"	HAT-75D	197	112
40	1 1/2"	HAT-92D	218	120
50	2"	HAT-92D	225	145

65	21/2"	HAT-105D	259	170
80	3"	HAT-125D	313	200
20	3/4"	HAT-52D	150	85
25	1"	HAT-63D	175	90

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Pneumatic ball valve(Flange type)



Parameters

Nominal diameter DN(mm)	DN15 - DN250
Nominal pressure	PN1.0/1.6/2.5/4.0/6.4MPa
Applicable medium	Water、Petroleum、Nitric Acids、Acetic Acids、Slurries、Viscosity fluid and so on
Suitable temperature	-40℃ - +80℃(PTFE/PPL Seal); -40℃ - +350℃(Metal Seal)
Leakage	ANSI B16.104
Rotary angle	90°
Body material	WCB,304,316
Seat materials	PTFE(Normal Temp.), Special PPL(High Temp.), Metal(High Temp.)

SIZE		Item	D1	D2	H	L	n - Φ
mm	in		1.6MPa				1.6MPa
15	1/2"	HAT - 52D	65	95	191	130	4 - 14
20	3/4"	HAT - 52D	75	105	202	140	4 - 14
25	1"	HAT - 63D	85	115	250	150	4 - 14
32	1 1/4"	HAT - 63D	100	135	280	160	4 - 18
40	1 1/2"	HAT - 75D	110	145	331	180	4 - 18
50	2"	HAT - 92D	125	160	394	200	4 - 18
65	2 1/2"	HAT -	145	180	434	220	4 - 18

125D							
80	3"	HAT - 125D	160	195	494	250	8 - 18
100	4"	HAT - 140D	180	215	559	280	8 - 18
125	5"	HAT - 160D	210	245	618	320	8 - 18
150	6"	HAT - 210D	240	280	730	360	8 - 26
200	8"	HAT - 240D	295	355	873.5	400	12 - 23

Datasheet

Pneumatic V-pattern Ball Valve



Parameters						
Nominal diameter DN(mm)		DN15 - DN250				
Nominal pressure PN(MPa)		1.6				
Nominal pressure PS(MPa)	Strength test	2.4				
	Seal test	1.8				
Materials / code name		C		P		R
Main Parts	Valve Body	WCB		CFM 304		CF8M 316
	Valve Ball	WCB		CFM 304		CF8M 316
	Valve Stem	2Cr13		0Cr18Ni9Ti		0Cr17NiMo2
	O-ring	RPTFE、PPL				
	Packing	PTFE,flexible graphite				
Applicable Operating Condition	Applicable medium	Water,steam,oils		nitrose		acetic acid
	Suitable temperature	-28℃-300 ℃				
Pneumatic actuator	Item	GT series				
	Air supply	0.4-0.7MPa				
Implementation standards		Design andmanufact ure	Face to Face	Fiange size	Pressure temperature	Testing
		GBT/12238	Gb12221	/	GB/T13927	GB13927

SIZE	Item	A	H	B	C	T	D	E
mm								

DN25	HAT - 63D	50	30	68	38	81	264	168
DN32	HAT - 75D	60	35	76	45	86	291.5	219
DN40	HAT - 92D	60	35	84	50	90	310	249
DN50	HAT - 105D	75	43	100	62	93	335.5	274
DN65	HAT - 125D	100	50	118	73	108	404.5	355
DN80	HAT - 125D	100	57	132	90	123	432.5	355
DN100	HAT - 140D	115	65	158	115	138	479	417
DN125	HAT - 160D	129	78	184	134	148	524	452
DN150	HAT - 210D	160	95	216	164	170	628.5	585
DN200	HAT - 240D	200	120	268	206	200	742	671
DN250	HAT - 270D	240	148	326	260	240	858.5	723

Datasheet

Pneumatic V-pattern Ball Valve(flange type)



Parameters						
Nominal diameter DN(mm)			DN15 - DN250			
Nominal pressure PN(MPa)			1.6			
Nominal pressure PS(MPa)	Strength test		2.4			
	Seal test		1.8			
Materials / code name		C	P	R		
Main Parts	Valve Body		WCB	CFM 304	CF8M 316	
	Valve Ball		WCB	CFM 304	CF8M 316	
	Valve Stem		2Cr13	0Cr18Ni9Ti	0Cr17NiMo2	
	O-ring		RPTFE、PPL			
	Packing		PTFE,flexible graphite			
Applicable Operating Condition	Applicable medium	Water,steam,oils		nitrose	acetic acid	
	Suitable temperature	-28℃-300℃				
Pneumatic actuator	Item		GT series			
	Air supply		0.4-0.7MPa			
Implementation standards		Design andmanufact ure	Face to Face	Fiange size	Pressure temperature	Testing
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