

電動式球塞閥(塑膠) 5

開關型 & 調節型

ELECTRIC BALL VALVE



2PS

series

使用範圍：化工、純水設備等...

工作壓力：0.98Mpa (10kgf/cm²)

工作溫度：視流體

接續規格：插管式、牙口



S25-2PS

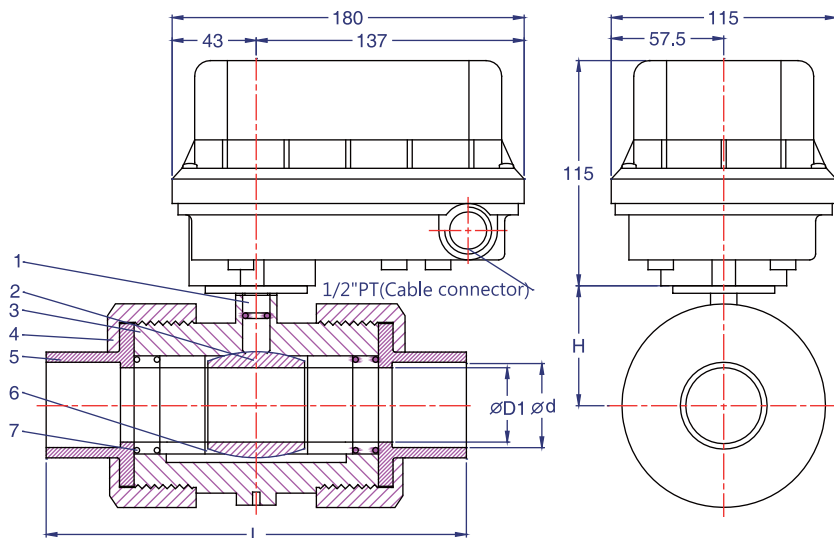
S37-2PS

ITEM	PARTS	MATERIAL
1	STEM	UPVC,PP,CPVC,PVDF
2	BALL	UPVC,PP,CPVC,PVDF
3	BODY	UPVC,PP,CPVC,PVDF
4	UNION NUT	UPVC,PP,CPVC,PVDF
5	END CONNECTOR	UPVC,PP,CPVC,PVDF
6	SEAT	TEFLON
7	O'RING	EPDM,VITON

Unit [mm]

SIZE		D1	d (JIS)		d (DIN)		L		H	N.W ±0.5
			Socket	Thread	Socket	Thread	Socket	Thread		
1/2"	DN15	15	22	PT1/2"	20	R1/2"	115	115	64	
3/4"	DN20	19	26	PT3/4"	25	R3/4"	128	128	78	
1"	DN25	25	32	PT1"	32	R1"	144	144	84	
1 1/4"	DN32	38	38	PT1 1/4"	40	R1 1/4"	183	183	108.5	
1 1/2"	DN40	38	48	PT1 1/2"	50	R1 1/2"	183	183	108.5	
2"	DN50	48	60	PT2"	63	R2"	202	202	117	
2 1/2"	DN65	65	76	PT2 1/2"	75	R2 1/2"	228	228		

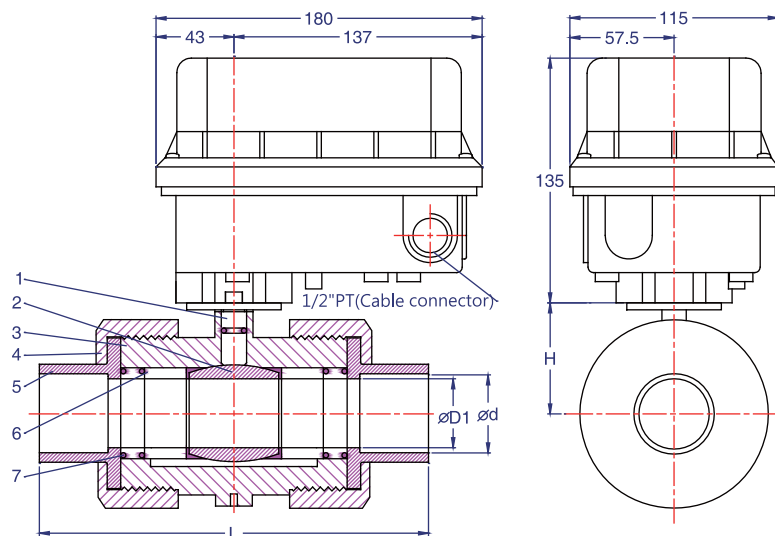
SIZE		D1	d (ANSI)		L		H	N.W ±0.5
			Socket	Thread	Socket	Thread		
1/2"	DN15	0.59	0.848	NPT1/2"	4.527	4.527	2.51	
3/4"	DN20	0.748	1.058	NPT3/4"	5.039	5.039	3.07	
1"	DN25	0.98	1.325	NPT1"	5.669	5.669	3.30	
1 1/4"	DN32	1.496	1.670	NPT1 1/4"	7.204	7.204	4.27	
1 1/2"	DN40	1.496	1.912	NPT1 1/2"	7.204	7.204	4.27	
2"	DN50	1.89	2.387	NPT2"	7.952	7.952	4.60	
2 1/2"	DN65	2.56	2.889	NPT2 1/2"	8.976	8.976		



S25

2PS series

型 號	S 20 -2PSXX	S 21-2PSXX	S 23-2PSXX	S 25-2PSXX	S 27-2PSXX	PS 21-2PSXX	PS 25-2PSXX
閥體尺寸 (mm)	DN15 to DN20	DN15 to DN20	DN25 to DN32	DN25 to DN32	DN25 to DN40	DN15 to DN20	DN25 to DN32
供應電壓 50/60Hz	AC220V ±10%					AC220V ±10%	
控制信號	ON-OFF					0/4~20mA, 1/2~10mA, 0/2-10Vdc	
最大電流 (A)	0.3	0.2	0.3	0.2	0.4	0.2	0.2
運轉電流 (A)	0.2	0.15	0.2	0.15	0.3	0.15	0.15
運轉時間 (50Hz)	8sec	36sec	8sec	36sec	36sec	36sec	36sec
運轉時間 (60Hz)	7sec	30sec	7sec	30sec	30sec	30sec	30sec
消耗功率 (W)	25	10	25	10	25	10	10
運轉週期	非連續運轉	連續運轉	非連續運轉	連續運轉	非連續運轉	連續運轉	連續運轉
運轉週期備註	非連續運轉: O-15min-CO-10min						
絕緣等級	E class insulation						
防護等級 / 防護材質	IP66 (相當屋外防水) / 上蓋: PC, 底座: PA66+GF45, 止水環: NBR						
周圍環境溫度	-10°C to 50°C						
周圍環境溼度	90%RH Max. (non-condensing)						
電器連接	1/2" PT cable connector, screw terminals						
電線接續方法	1.25mm 線徑					1.25mm 線徑(隔離線)	
選購加裝	Auxiliary switches 2 (SPDT) / 反饋信號 1KΩ / 空間加熱器 Heater					4~20mA Feedback	



S37

2PS series

型 號	S 35-2PSXX	S 37-2PSXX	S 38-2PSXX	S 80-2PSXX	PS 35-2PSXX	PS 38-2PSXX
閥體尺寸 (mm)	DN40 to DN50	DN40 to DN50	DN40 to DN50	DN40 to DN65	DN40 to DN50	DN40 to DN50
供應電壓 50/60Hz	AC220V ±10%				AC220V ±10%	
控制信號	ON-OFF				0/4~20mA, 1/2~10mA, 0/2-10Vdc	
最大電流 (A)	0.3	0.5	0.3	0.5	0.3	0.3
運轉電流 (A)	0.2	0.3	0.2	0.3	0.2	0.2
運轉時間 (50Hz)	60sec	8sec	95sec	16sec	60sec	95sec
運轉時間 (60Hz)	50sec	7sec	75sec	15sec	50sec	75sec
消耗功率 (W)	10	70	10	70	10	10
運轉週期	連續運轉型	非連續運轉	連續運轉	非連續運轉	連續運轉	連續運轉
運轉週期備註	非連續運轉: O-15min-CO-10min					
絕緣等級	E class insulation					
防護等級 / 防護材質	IP66 (相當屋外防水) / 上蓋: PC, 底座: PA66+GF45, 止水環: NBR					
周圍環境溫度	-10°C to 50°C					
周圍環境溼度	90%RH Max. (non-condensing)					
電器連接	1/2" PT cable connector, screw terminals					
電線接續方法	1.25mm 線徑				1.25mm 線徑(隔離線)	
選購加裝	Auxiliary switches 2 (SPDT) / 反饋信號 1KΩ / 空間加熱器 Heater				4~20mA Feedback	

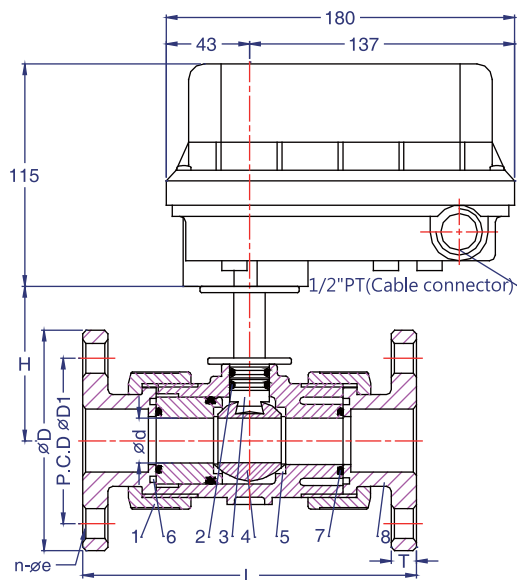
2PF

series

使用範圍：化工、純水設備等…
工作壓力：0.98Mpa（10kgf/cm2）
工作溫度：視流體
接續規格：法蘭式



ITEM	PARTS	MATERIAL
1	BODY	UPVC.PP.PVDF
2	STEM O-RING	EPDM.FPM
3	STEM	UPVC.PP.PVDF
4	BALL	UPVC.PP.PVDF
5	SEAT SEAL	PTFE
6	CARRIER O-RING	EPDM.FPM
7	UNION O-RING	EPDM.FPM
8	END CONNECTOR	UPVC.PP.PVDF



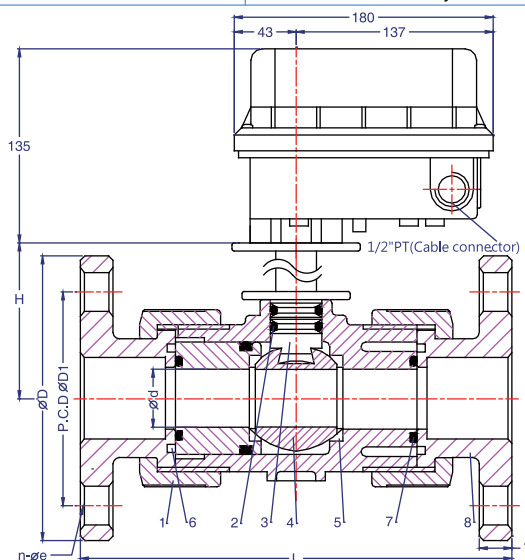
S25

2PF series

Unit [mm]

SIZE		JIS				DIN				H	d	T
		D	D1	L	n-øe	D	D1	L	n-øe			
1"	DN25	125	90	187	4-19	115	85	160	4-14	87.5	23	14
1 1/4"	DN32	135	100	190	4-19	140	100	180	4-18	90	30	16
1 1/2"	DN40	140	105	212	4-19	150	110	200	4-18	91	38	16

型 號	S 20 -2PFX	S 21-2PFX	S 23-2PFX	S 25-2PFX	S 27-2PFX	PS 21-2PFX	PS 25-2PFX
閥體尺寸 (mm)	DN15 to DN20	DN15 to DN20	DN25 to DN32	DN25 to DN32	DN25 to DN40	DN15 to DN20	DN25 to DN32
供應電壓 50/60Hz	AC220V ±10%					AC220V ±10%	
控制信號	ON-OFF					0/4~20mA, 1/2~10mA, 0/2-10Vdc	
最大電流 (A)	0.3	0.2	0.3	0.2	0.4	0.2	0.2
運轉電流 (A)	0.2	0.15	0.2	0.15	0.3	0.15	0.15
運轉時間 (50Hz)	8sec	36sec	8sec	36sec	36sec	36sec	36sec
運轉時間 (60Hz)	7sec	30sec	7sec	30sec	30sec	30sec	30sec
消耗功率 (W)	25	10	25	10	25	10	10
運轉週期	非連續運轉	連續運轉	非連續運轉	連續運轉	非連續運轉	連續運轉	連續運轉
運轉週期備註	非連續運轉:O-15min-CO-10min						
絕緣等級	E class insulation						
防護等級 / 防護材質	IP66 (相當屋外防水) / 上蓋:PC, 底座:PA66+GF45, 止水環:NBR						
周圍環境溫度	-10°C to 50°C						
周圍環境溼度	90%RH Max. (non-condensing)						
電器連接	1/2" PT cable connector, screw terminals						
電線接續方法	1.25mm 線徑					1.25mm 線徑(隔離線)	
選購加裝	Auxiliary switches 2 (SPDT) / 反饋信號 1KΩ / 空間加熱器 Heater					4~20mA Feedback	



S37

2PF series

Unit [mm]

SIZE		JIS				DIN				H	d	T
		D	D1	L	n-øe	D	D1	L	n-øe			
1 1/2"	DN40	140	105	212	4-19	150	110	200	4-18	91	38	16
2"	DN50	155	120	234	4-19	165	125	230	4-18	102	48	16
2 1/2"	DN65	175	140	259	4-19	185	145	290	4-18	88	61	18

型 號	S 35-2PFX	S 37-2PFX	S 38-2PFX	S 80-2PFX	PS 35-2PFX	PS 38-2PFX
閥體尺寸 (mm)	DN40 to DN50	DN40 to DN50	DN40 to DN50	DN40 to DN65	DN40 to DN50	DN40 to DN50
供應電壓 50/60Hz	AC220V ±10%					AC220V ±10%
控制信號	ON-OFF					0/4~20mA, 1/2~10mA, 0/2-10Vdc
最大電流 (A)	0.3	0.5	0.3	0.5	0.3	0.3
運轉電流 (A)	0.2	0.3	0.2	0.3	0.2	0.2
運轉時間 (50Hz)	60sec	8sec	95sec	16sec	60sec	95sec
運轉時間 (60Hz)	50sec	7sec	75sec	15sec	50sec	75sec
消耗功率 (W)	10	70	10	70	10	10
運轉週期	連續運轉	非連續運轉	連續運轉	非連續運轉	連續運轉型	連續運轉
運轉週期備註	非連續運轉:O-15min-CO-10min					
絕緣等級	E class insulation					
防護等級 / 防護材質	IP66 (相當屋外防水) / 上蓋:PC, 底座:PA66+GF45, 止水環:NBR					
周圍環境溫度	-10°C to 50°C					
周圍環境溼度	90%RH Max. (non-condensing)					
電器連接	1/2" PT cable connector, screw terminals					
電線接續方法	1.25mm 線徑					1.25mm 線徑(隔離線)
選購加裝	Auxiliary switches 2 (SPDT) / 反饋信號 1KΩ / 空間加熱器 Heater					4~20mA Feedback

Material	Abbreviation	General chemical resistance	Max. Service temperature	
			Contin-uous	Short hours
Polyvinyl Chloride	PVC	Resistant against most of acids, alkalis and salts of high to low concentration level. However, the material tends to be attacked by some chemical-such as aromatic hydrocarbon, ketones, esters and chlorinated hydrocarbon.	5°~50°C	60°C
Chlorinated Polyvinyl Chloride	CPVC	Resistance properties are nearly the same as PVC. Having a high heat-resistance, this is service-able in the temperature range higher than the former's.	0°~90°C	100°C
Polyvinylene	PP	Not stable against strong acids such as concentrated nitric acid and chrome acid mixture, but this is resistant against other acids, alkalis and salts. Resistant against many organic solvents (specifically the solvent with active group), but tends to be attacked by chlorine-containing solvents, aliphatic series and aromatic hydro-carbon.	0°~80°C	90°C
Vinylidene Fluoride	PVDF	Highly resistant up to a high temperature range against ordinary acids & salts and organic chemicals, but broken down by fuming sulfuric acid and strong basic amines, Also, the use conditions with ketone, amide, ester, organic solvent ad alkali are limited.	−20°~120°C	130°C
Ethylene Propylene Rubber	EPDM	Provided with an excellent ozone-resistance and chemical-resistance. Comparatively resistant against ketone and ester, but less resistant against aromatic & alphatic families, and gasoline and oil.	−10°~130°C	150°C
Polytetra-fluoroethylene (Trade name, Teflon)	PTFE	Resistant against ordinary acid and alkali, and not dissolved nor changed by ordinary solvent medium. Attacked by melted alkali metal and in a high temperature, by fluorine and chlorine trifluoride.	−20°~250°C	300°C
Fluororubber (Trade name, Viton)	FPM	Most chemical-resistant among all rubber families. Has a good resistance against strong oxidizing acid such as concentrated sulfuric acid and nitric acid, resistant against aliphatic and aromatic families and oils, but attacked by ketones, ammonia anhydride, concentrated caustic soda, etc.	−5°~250°C	200°C

CHEMICAL RESISTANCE OF MATERIAL

Chemicals	Sodium chloride 氯化鈉			Hydrochl - oric acid 鹽酸			Caustic soda 燒鹼			Chromic acid 鉻酸			Acetic acid 乙酸			Soda hypochlorite 次氯酸鹽			Nitric acid 硝酸			Toluene 甲苯			Hydrogen sulfide 氫硫化物			Sulfuric acid 硫酸		
Concentration (%)	Saturated Water Solution 飽合溶液			35			50			20			50			13			50						Aqueous Solution 純水溶液			90		
Temperature (°C)	40	60	80	40	60	80	40	60	80	40	60	80	40	60	80	40	60	80	40	60	80	40	60	80	40	60	80	40	60	80
PVC	◎	◎		◎	○		◎	◎		◎	○		◎	○		◎	○		○	○					◎	◎		○	○	
CPVC	◎	◎	◎	◎	◎	○	◎	◎	◎	○	△		○	△	X	◎	○		○	△	X				◎	◎	◎	◎	○	△
PP	◎	◎	◎	◎	◎	○	◎	◎	○				◎	◎		△			○	△	X	△	X		◎	◎	◎	◎	○	○
PVDF	◎	◎	◎	◎	◎	◎	○	X	X	◎	◎	◎	◎	◎	○	◎	○		◎	◎	◎	◎	○	○	◎	◎	◎	◎	◎	◎
PTFE	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎		◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
EPDM	◎	◎	◎	○	X		◎	◎	△																◎	◎	◎	○	△	X
FPM	◎	◎	◎	○	X		X			○	○	△	X						○	△	X				◎	○		◎	◎	○

◎ Not affected 不受影響

○ Negligibly affected 受影響(可允許)

△ Slightly affected but serviceable 稍受影響

X Not serviceable 不耐用

物性/化性：

UPVC / CPVC 聚氯乙烯 / 氯化聚氯乙烯工業用管配件，在液體輸送及排放系統上，已經有多年成功的使用經驗。

由於本身特殊的高分子材料及厚實的管配件標準，使的其在物理及化學特性上，十分適合輸送飲用水及多數的化學溶液，同時亦能滿足嚴苛的操作環境。搭配電動驅動器輔助設備精準的控制。

施工：

UPVC / CPVC管件不同於金屬管件，質輕、內部光滑、不生鏽、不積垢，擁有極佳的耐腐蝕性及耐化學性，施工簡便，

採冷膠溶接，接頭不易漏，管壁厚實，地下埋管經得起相當外力負荷而不致破裂，加上耐紫外線的特性，使得PVC管件使用壽命可長達30年以上。

應用：

純水輸送系統

海水輸送系統

飲用水輸送系統

灌溉輸送系統

污水輸送系統

酸鹼化學品輸送系統

環境工程、一般管路系統

適用：

電鍍廠、化學廠

鋼鐵廠、核電廠

發電廠、造紙廠

食品廠、飲料廠

電子廠、IC 半導體廠

藥品廠、污水處理廠

醫院、焚化爐、溫泉飯店

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