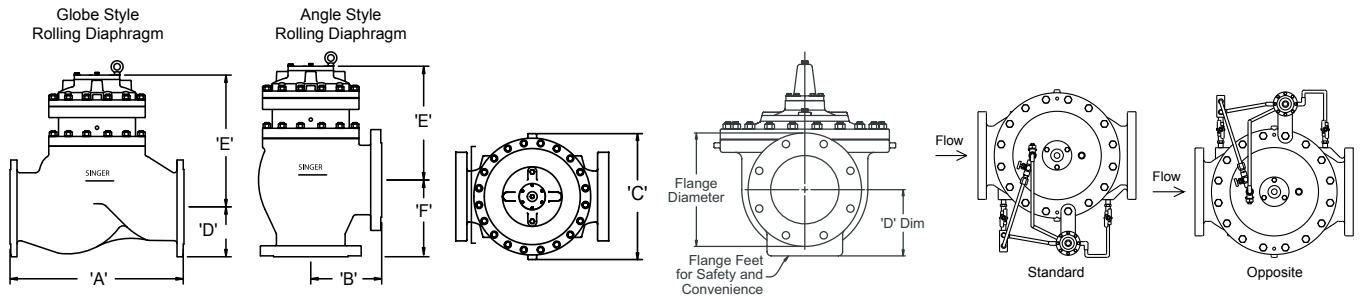


MODEL 106-PT / 106-PTC / S106-PT / S106-PTC DOUBLE CHAMBER HYDRAULICALLY OPERATED VALVE

ISO VALVE DATA (METRIC UNITS)

Size mm	DWG REF	Standard ANSI	Rolling Diaphragm System							
			150 mm	200 mm	250 mm	300 mm	350 mm	400 mm	500 mm	600 mm
Globe Dimensions			All figures shown in mm unless otherwise stated							
Lay Length	A	FNPT	Consult with Singer Valve for availability	-	-	-	-	-	-	-
Centerline to Bottom	D	FNPT		-	-	-	-	-	-	-
Lay Length	A	150F		756	864	787	1051	1321	1562	
Centerline to Bottom	D	150F		217	241	267	298	367	435	
Lay Length	A	300F		790	902	826	1105	1362	1607	
Centerline to Bottom	D	300F		243	260	292	324	400	499	
Angle Dimensions										
Center Inlet to Discharge	B	FNPT	-	-	-	-	-	-	-	-
Center Discharge to Inlet	F	FNPT	-	-	-	-	-	-	-	-
Center Inlet to Discharge	B	150F	-	-	292	349	-	457	-	-
Center Discharge to Inlet	F	150F	-	-	318	318	-	399	-	-
Center Inlet to Discharge	B	300F	-	-	310	368	-	478	-	-
Center Discharge to Inlet	F	300F	-	-	335	337	-	419	-	-
Common Dimensions (Globe & Angle)										
Width	C		-	-	562	660	660	813	889	1262
Height (To Stem Cap) Globe	E		-	-	575	686	686	826	1060	1125
Height (To Stem Cap) Angle	E		-	-	491	610	-	749	-	-
Body Port Tapping	FNPT	Inches	-	-	3/4	3/4	3/4	3/4	3/4	3/4
Stem Cap Plug	MNPT	Inches	-	-	3/4	3/4	3/4	3/4	3/4	3/4
Cover Port Tapping	FNPT	Inches	-	-	3/4	3/4	3/4	3/4	3/4	3/4
Valve Stroke		mm	-	-	83	95	95	120	141	150
Displaced Bonnet Volume (Litres)			-	-	6	9	9	26	34	56
Approximate Shipping Weight (Kilograms)			-	-	480	590	635	1043	1665	2268
Flow Capacities (L/s) Globe & Angle										
K_v - Globe			-	-	310	500	610	780	1210	1800
K_v - Angle			-	-	332	581	-	948	-	-
Continuous (Globe)			-	-	309	442	536	694	1104	1577
Intermittent (Globe)			-	-	385	555	726	899	1370	1968
Momentary (Globe)			-	-	694	1009	1199	1577	2460	3546
Maximum Pressure Ratings										
Bar ¹		FNPT	-	-	-	-	-	-	-	-
Bar		150F	-	-	17	17	17	17	17	17
Bar ¹		300F	-	-	27.6	27.6	27.6	27.6	27.6	27.6
Maximum Temperature										
Celcius			-	-	82°	82°	82°	82°	82°	82°

¹Valves rated and stamped 27.6 Bar as standard. Valves rated and stamped 41 Bar on request.



See pilot system information, page 207.
For additional Engineering notes, see page 242.