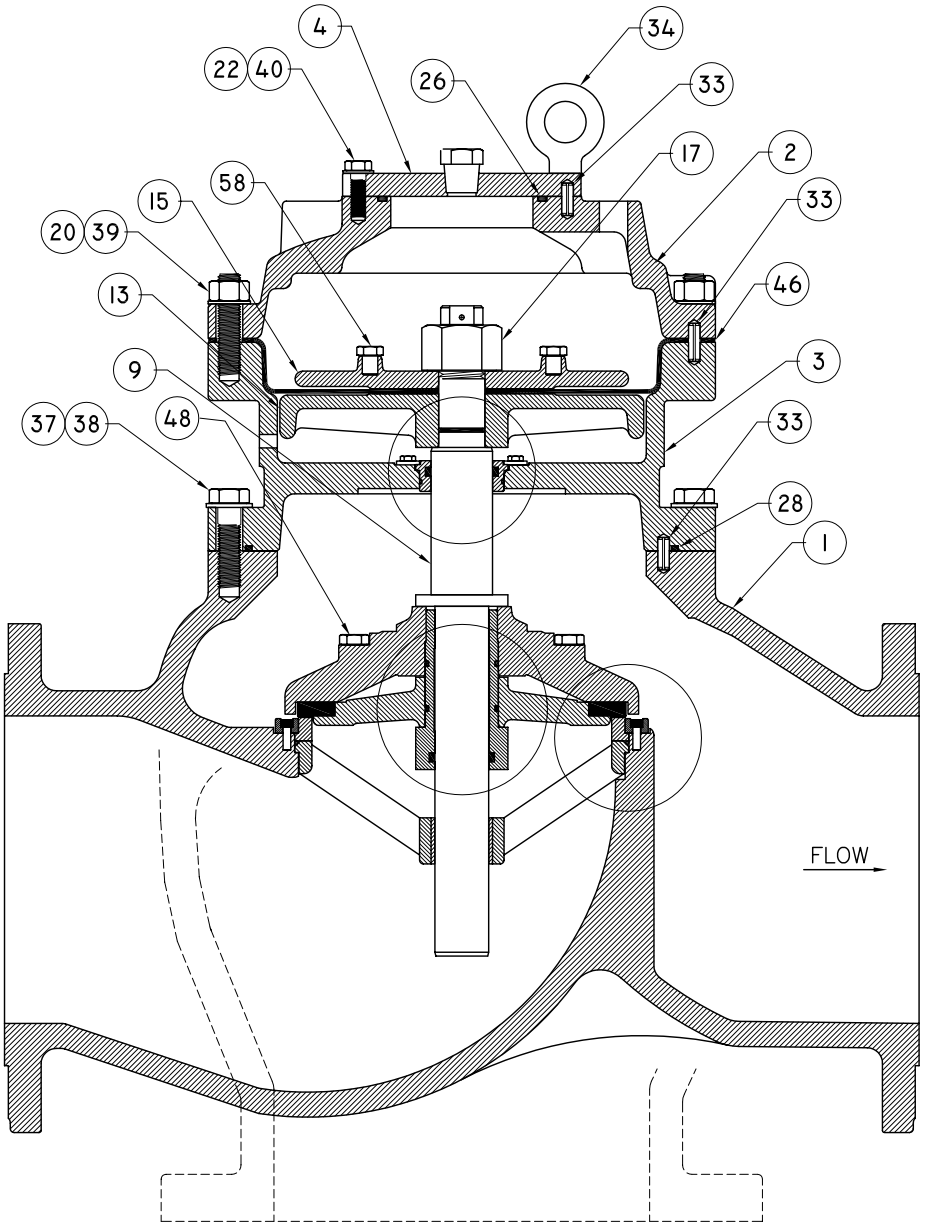
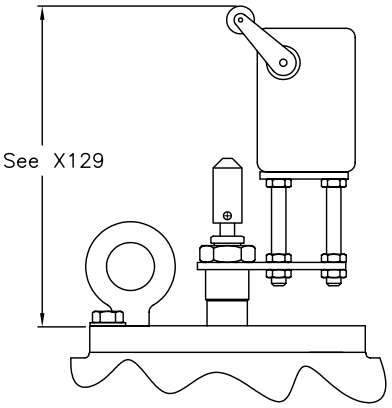
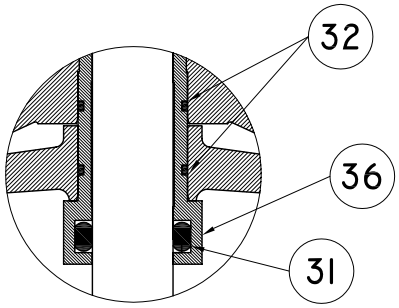
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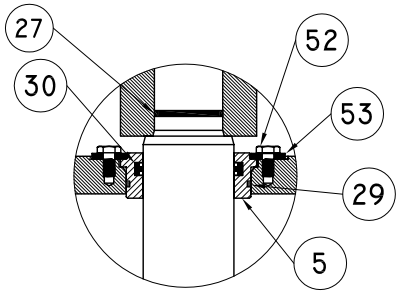




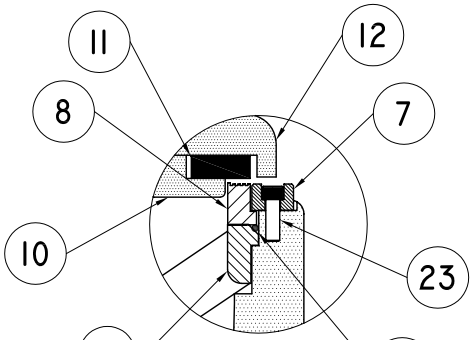
OPTIONAL LIMIT SWITCH



SLIDING INNER VALVE DETAIL



UPPER GUIDE DETAIL

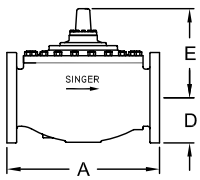


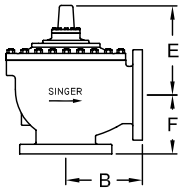
SEAT RING DETAIL

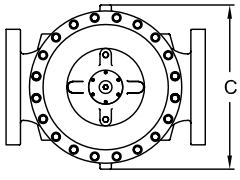
DOUBLE CHAMBER MAIN VALVE

c/w MECHANICAL INTERNAL DROP CHECK (IDC)

SIZES 10" TO 16" (250MM TO 400MM) S106-PTC & SA106-PTC
SIZES 12" TO 24" (300MM TO 600MM) S206-PTC







SINGER VALVE
Result-Based Solutions. Globally.
www.singervalve.com 12850-87th Avenue. Surrey, B.C. V3W 3H9

Drawn By:	Approved By:
Scott Grover	Kari Oksanen
Date:	Drawing:
February 13, 2006	A0899A

Model S106-PTC, SA106-PTC & S206-PTC

SINGER VALVE
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12850-87th Avenue
Surrey, BC. Canada. V3W 3H9
Ph: 604-594-5404
Fx: 604-594-8845
www.singervalve.com

Material Specifications & Dimensions

10"-16" (250mm-400mm) S106-PTC & SA106-PTC
12"-24" (300mm-600mm) S206-PTC
For Drawing A0899A

Item	Part Name	Material
1	Body	Ductile Iron
2	Bonnet	Ductile Iron
3	Floor Plate Adaptor	Ductile Iron
4	Top Cover	Ductile Iron
5	Upper Guide	Bronze
6	Bottom Guide	Ductile Iron &Bronze
7	Seat Ring Washer	Stainless Steel
8	Seat Ring	Stainless Steel
9	Stem	Stainless Steel
10	Disc Retainer	Cast Iron
11 **	**Resilient Disc**	**EPDM**
12	Inner Valve	Cast Iron
13	Piston	Ductile Iron
15	Clamp Plate	Ductile Iron
17	Stem Nut	Brass ASTM
20	Body Bolts	Stainless Steel
22	Top Cover Screw	Stainless Steel
23	Retaining Screw	Stainless Steel

Item	Part Name	Material
25 **	**Seat Ring Seal**	**Buna-N**
26 **	**Top Cover Seal**	**Buna-N**
27 **	**Stem Seal**	**Buna-N**
28 **	**Floor Plate Seal**	**Buna-N**
29 **	**Upper Guide Seal**	**Buna–N**
30 **	**Stem Seal**	**Buna–N**
31 **	**IDC Seal**	**Buna–N**
32 **	**Inner Valve Seal**	**Buna–N**
33	Locating Pins	Steel
34	Eye Bolt	Steel
46 **	**Diaphragm**	**EPDM**
48	Clamp Plate Screws	Stainless Steel
52	Upper Guide Screw	Stainless Steel
53	Upper Guide Washer	Stainless Steel

** Recommended spare parts (included in the Rebuild Kit)

S106-PTC & SA106-PTC		Globe			Globe & Ang	Angle		
		A	D	E	C	B	E	F
10" 250mm	**150F / PN10, PN16**	29.75" 756mm	8.56" 217mm	22.63" 575mm	22.13" 562mm	11.50" 292mm	19.34" 491mm	12.50" 318mm
	300F / PN25, PN40	31.12" 790mm	9.56" 243mm	22.63" 575mm	22.13" 562mm	12.19" 310mm	19.34" 491mm	13.19" 335mm
12" 300mm	**150F / PN10, PN16**	34" 864mm	9.50" 241mm	27" 686mm	26" 660mm	13.75" 349mm	24" 610mm	12.50" 318mm
	300F / PN25, PN40	35.50" 902mm	10.25" 260mm	27" 686mm	26" 660mm	14.50" 368mm	24" 610mm	13.25" 337mm
14" 350mm	**150F / PN10, PN16**	31" 787mm	10.50" 267mm	27" 686mm	26" 660mm	-	-	-
	300F / PN25, PN40	32.50" 826mm	11.50" 292mm	27" 686mm	26" 660mm	-	-	-
16" 400mm	**150F / PN10, PN16**	41.38" 1051mm	11.75" 298mm	32.50" 826mm	32" 813mm	18" 457mm	29.50" 749mm	15.69" 399mm
	300F / PN25, PN40	43.50" 1105mm	12.75" 324mm	32.50" 826mm	32" 813mm	18.81" 478mm	29.50" 749mm	16.50" 419mm

S206-PTC		Globe			Globe & Ang	Angle		
		A	D	E	C	B	E	F
12" 300mm	**150F / PN10, PN16**	27.50" 699mm	9.50" 241mm	22.63" 575mm	22.12" 562mm	-	-	-
	300F / PN25, PN40	29" 737mm	10.50" 267mm	22.63" 575mm	22.12" 562mm	-	-	-
16" 400mm	**150F / PN10, PN16**	36" 914mm	11.75" 298mm	27" 686mm	26" 660mm	-	-	-
	300F / PN25, PN40	37.63" 956mm	12.75" 324mm	27" 686mm	26" 660mm	-	-	-
18" 450mm	**150F / PN10, PN16**	42" 1067mm	12.50" 318mm	32.38" 822mm	30.31" 770mm	-	-	-
	300F / PN25, PN40	43.63" 1108mm	14" 356mm	32.38" 822mm	30.31" 770mm	-	-	-
20" 500mm	**150F / PN10, PN16**	45" 1143mm	13.75" 349mm	32.38" 822mm	30.50" 775mm	-	-	-
	300F / PN25, PN40	46.38" 1178mm	15.25" 387mm	32.38" 822mm	30.50" 775mm	-	-	-
24" 600mm	**150F / PN10, PN16**	50.50" 1283mm	16" 406mm	32.38" 822mm	36" 914mm	-	-	-
	300F / PN25, PN40	52.25" 1327mm	18" 457mm	32.38" 822mm	36" 914mm	-	-	-

Anti-Cavitation (-AC) trim cannot be equipped on PTC valves