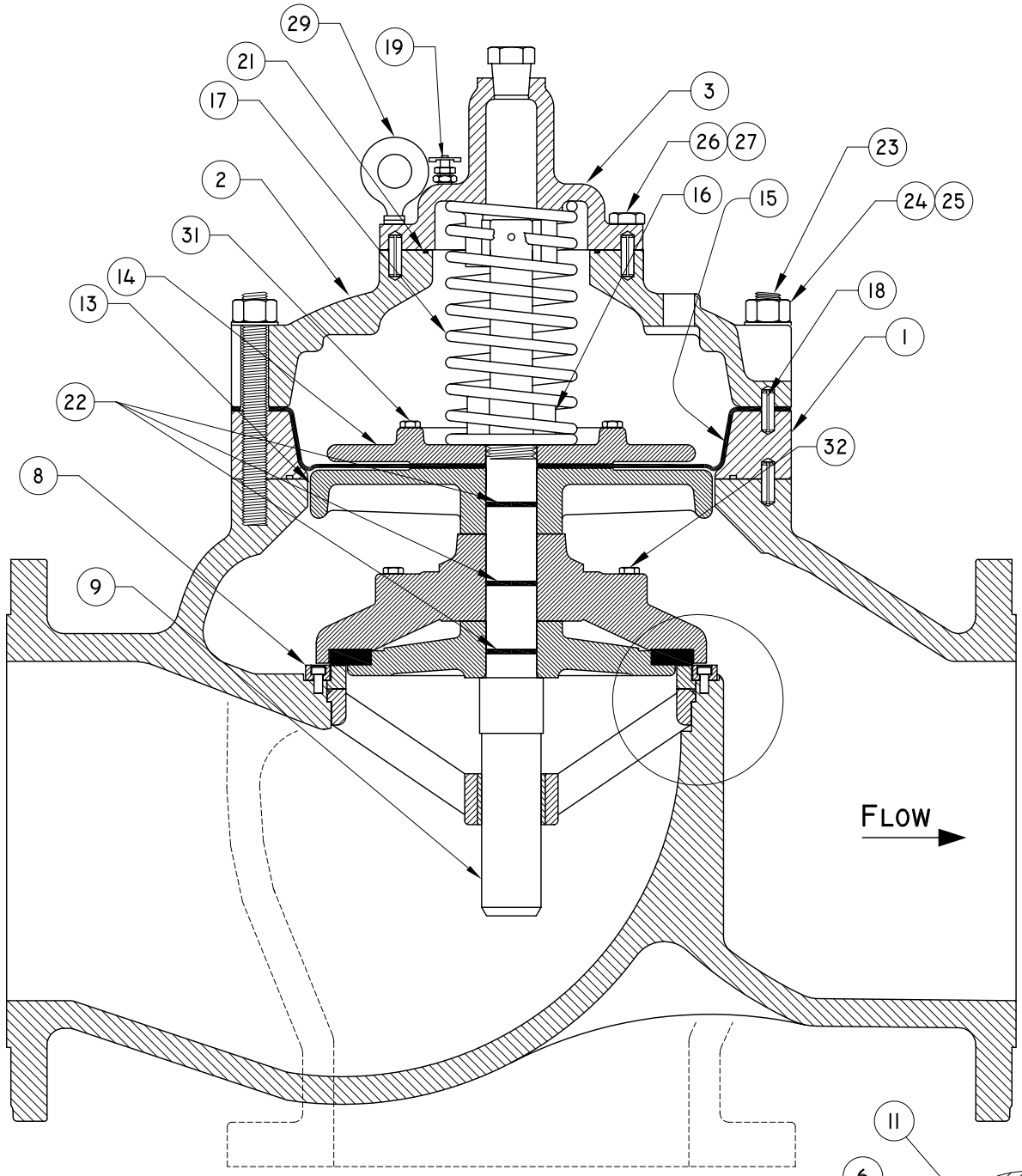
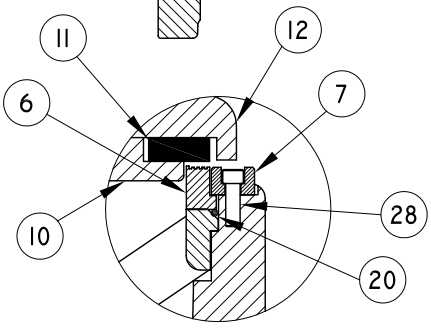
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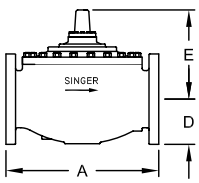


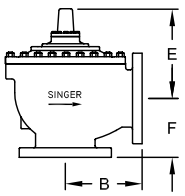


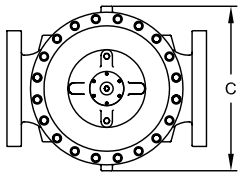
SEAT RING DETAIL

SINGLE CHAMBER MAIN VALVE

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







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:
January 6, 2006	A0867B

Model S106-PG, SA106-PG & S206-PG

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" to 16" (250mm to 400mm) S106-PG & SA106-PG
12" to 24" (300mm to 600mm) S206-PG
For Drawing A0867B

Item	Part Name	Material
1.	Body	Ductile Iron
2.	Bonnet	Ductile Iron
3.	Spring Casing	Ductile Iron
6.	Bottom Guide	Ductile Iron & Bronze
7.	Seat Ring	Stainless Steel
8.	Stop Washers	Stainless Steel
9.	Stem	Stainless Steel
10.	Disc Retainer	Cast Iron
11.**	**Resilient Disc**	**EPDM or Buna-N**
12.	Inner Valve	Cast Iron
13.	Piston	Ductile Iron
14.	Clamp Plate	Ductile Iron
15.**	**Diaphragm**	**EPDM or Buna-N**
16.	Stem Nut	Brass
17.	Spring	Stainless Steel
18.	Locating Pin	Steel

Item	Part Name	Material
19.	Bleed Valve	Brass
20.**	**Seat Ring Seal**	**Buna-N**
21.**	**Spring Casing Seal**	**Buna-N**
22.**	**Stem Seals**	**Buna-N**
23.	Body Studs	Stainless Steel
24.	Body Washers	Stainless Steel
25.	Body Nuts	Stainless Steel
26.	Spring Casing Screw	Stainless Steel
27.	Spring Casing Washers	Stainless Steel
28.	Seat Ring Screw	Stainless Steel
29.	Eye Bolt	Steel
31.	Clamp Plate Screw	Stainless Steel
32.	Inner Valve Screw	Stainless Steel

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

S106-PG & SA106-PG		Globe			Globe & Ang	Angle		
		A	D	E	C	B	E	F
10" 250mm	**150F / PN10, PN16**	29.75" 756mm	8.56" 217mm	23.31" 592mm	22.13" 562mm	11.50" 292mm	20" 508mm	12.50" 318mm
	300F / PN25, PN40	31.12" 790mm	9.56" 243mm	23.31" 592mm	22.13" 562mm	12.19" 310mm	20" 508mm	13.19" 335mm
12" 300mm	**150F / PN10, PN16**	34" 864mm	9.50" 241mm	26.75" 679mm	26" 660mm	13.75" 349mm	23.75" 603mm	12.50" 318mm
	300F / PN25, PN40	35.50" 902mm	10.25" 260mm	26.75" 679mm	26" 660mm	14.50" 368mm	23.75" 603mm	13.25" 337mm
14" 350mm	**150F / PN10, PN16**	31" 787mm	10.50" 267mm	26.80" 681mm	26" 660mm	-	-	-
	300F / PN25, PN40	32.50" 826mm	11.50" 292mm	26.80" 681mm	26" 660mm	-	-	-
16" 400mm	**150F / PN10, PN16**	41.38" 1051mm	11.75" 298mm	31.40" 798mm	32" 813mm	18" 457mm	28.50" 724mm	15.69" 399mm
	300F / PN25, PN40	43.50" 1105mm	12.75" 324mm	31.40" 798mm	32" 813mm	18.81" 478mm	28.50" 724mm	16.50" 419mm

S206-PG		Globe			Globe & Ang	Angle		
		A	D	E	C	B	E	F
12" 300mm	**150F / PN10, PN16**	27.50" 699mm	9.50" 241mm	23.35" 593mm	22.12" 562mm	-	-	-
	300F / PN25, PN40	29" 737mm	10.50" 267mm	23.35" 593mm	22.12" 562mm	-	-	-
16" 400mm	**150F / PN10, PN16**	36" 914mm	11.75" 298mm	26.75" 679mm	26" 660mm	-	-	-
	300F / PN25, PN40	37.63" 956mm	12.75" 324mm	26.75" 679mm	26" 660mm	-	-	-
18" 450mm	**150F / PN10, PN16**	42" 1067mm	12.50" 318mm	31.38" 797mm	30.31" 770mm	-	-	-
	300F / PN25, PN40	43.63" 1108mm	14" 356mm	31.38" 797mm	30.31" 770mm	-	-	-
20" 500mm	**150F / PN10, PN16**	45" 1143mm	13.75" 349mm	31.38" 797mm	30.50" 775mm	-	-	-
	300F / PN25, PN40	46.38" 1178mm	15.25" 387mm	31.38" 797mm	30.50" 775mm	-	-	-
24" 600mm	**150F / PN10, PN16**	50.50" 1283mm	16" 406mm	31.38" 797mm	36" 914mm	-	-	-
	300F / PN25, PN40	52.25" 1327mm	18" 457mm	31.38" 797mm	36" 914mm	-	-	-

For Anti-Cavitation (-AC) trim equipped valves please see PG-AC spec sheet