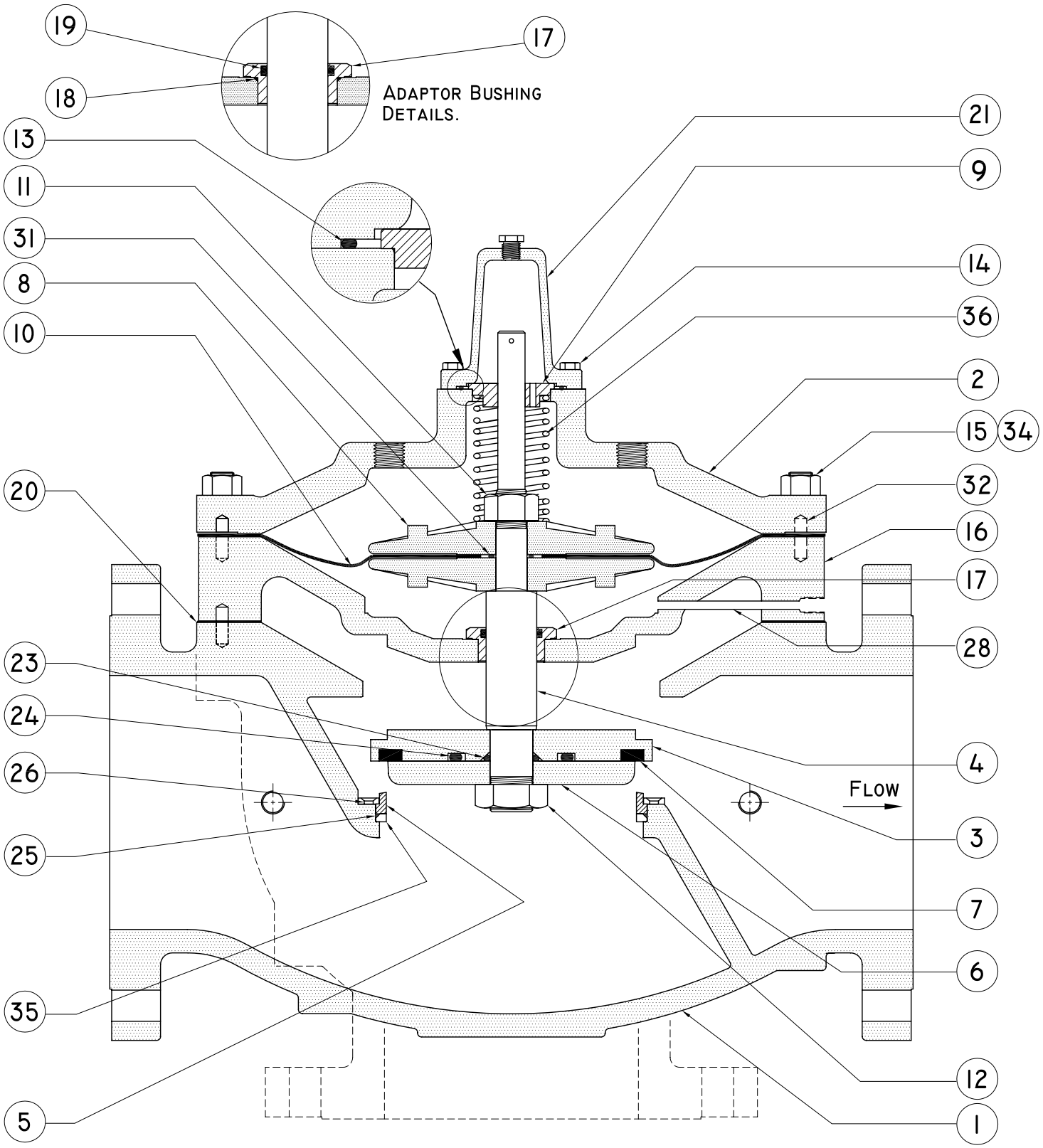
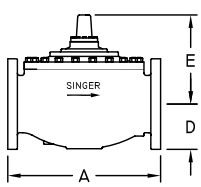
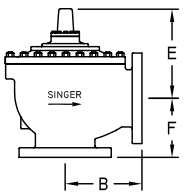
A0505E

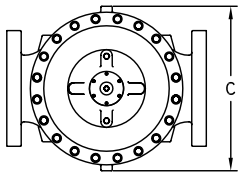


DOUBLE CHAMBER MAIN VALVE

SIZES 2-1/2" TO 8" (65MM TO 200MM) 106-PT & A106-PT







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:
May 9, 2006	A0505E

Model 106-PT & A106-PT

SINGER VALVE
Result-Based Solutions. Globally.

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

Material Specifications & Dimensions

2-1/2"-8" (65mm-200mm) 106-PT & A106-PT
For Drawing A0505E

Item	Part	Material
1	Body	Ductile Iron
2	Bonnet	Ductile Iron
3	Inner Valve	Ductile Iron
4	Stem	Stainless Steel
5	Seat Ring	Stainless Steel
6	Disc Retainer	Ductile Iron
7 **	**Resilient Disc**	**EPDM or Buna**
8	Clamp Plates	Cast Iron
9	Guide Bushing	Brass
10 **	**Diaphragm**	**Neoprene**
11	Clamp Plate Locknut	Brass
12	Disc Ret. Locknut	Brass
13 **	**Stem Cap Seal**	**Buna-N**
14	Stem Cap Capscrew	Stainless Steel
15	Bonnet Studs	Stainless Steel
16	Adaptor	Ductile Iron
17	Adaptor Bushing	Brass
18 **	**Adaptor Seal**	**Buna – N**
19 **	**Adaptor Bushing Seal**	**Buna – N**
20 **	**Body Gasket**	**Cork Nitrile**
21	Stem Cap	Ductile Iron
23 **	**Inner Valve Seal**	**Buna-N**
24 **	**Disc Retainer Seal**	**Buna-N**
25 **	**Seat Ring Seal**	**Buna-N**
26	Seat Ring Screw	Stainless Steel
27	Bonnet Nuts	Stainless Steel
28	Adaptor Tube	Copper
29	Adaptor Locating Pins	Steel
30	Retaining Washer	Stainless Steel
31 **	**Diaphragm Seal**	**Buna**
32	Bonnet Locating Pins	Steel
35	Spacer Ring	Bronze
36	Optional Spring	Stainless Steel

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

106-PT & A106-PT		Globe			Globe & Ang	Angle		
		A	D	E	C	B	E	F
2-1/2" 65mm	**NPT / BSPT**	11" 279mm	3.38" 86mm	8.93" 227mm	8.19" 208mm	5.50" 140mm	8.93" 227mm	4" 102mm
	150F / PN10, PN16, PN25, PN40	11" 279mm	3.50" 89mm	8.93" 227mm	8.19" 208mm	5.50" 140mm	8.93" 227mm	4" 102mm
	300F	11.63" 295mm	3.75" 95mm	8.93" 227mm	8.19" 208mm	5.88" 149mm	8.93" 227mm	4.31" 109mm
3" 80mm	**NPT / BSPT**	13.50" 343mm	3.68" 93mm	9.75" 248mm	9.25" 235mm	6.63" 168mm	9.75" 248mm	4.63" 118mm
	150F	12" 305mm	3.75" 95mm	9.75" 248mm	9.25" 235mm	6" 152mm	9.75" 248mm	4" 102mm
	300F	13.25" 337mm	4.13" 105mm	9.75" 248mm	9.25" 235mm	6.38" 162mm	9.75" 248mm	4.38" 111mm
	PN10, PN16, PN25, PN40	318mm	100mm	248mm	235mm	162mm	248mm	111mm
4" 100mm	**150F / PN10, PN16, PN25, PN40**	15" 381mm	4.60" 117mm	10.88" 276mm	10.88" 276mm	7.50" 191mm	10.88" 276mm	5" 127mm
	300F	15.63" 397mm	5.09" 129mm	10.88" 276mm	10.88" 276mm	7.88" 200mm	10.88" 276mm	5.31" 135mm
6" 150mm	**150F / PN10, PN16**	20" 508mm	5.60" 142mm	13.88" 353mm	16.63" 422mm	10" 254mm	13.88" 353mm	6" 152mm
	300F / PN25, PN40	21" 533mm	6.34" 161mm	13.88" 353mm	16.63" 422mm	10.50" 267mm	13.88" 353mm	6.50" 165mm
8" 200mm	**150F / PN10, PN16**	25.38" 645mm	7.63" 194mm	17.75" 451mm	21.63" 549mm	12.75" 324mm	17.75" 451mm	8" 203mm
	300F / PN25, PN40	26.38" 670mm	7.63" 194mm	17.75" 451mm	21.63" 549mm	13.25" 337mm	17.75" 451mm	8.50" 216mm

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