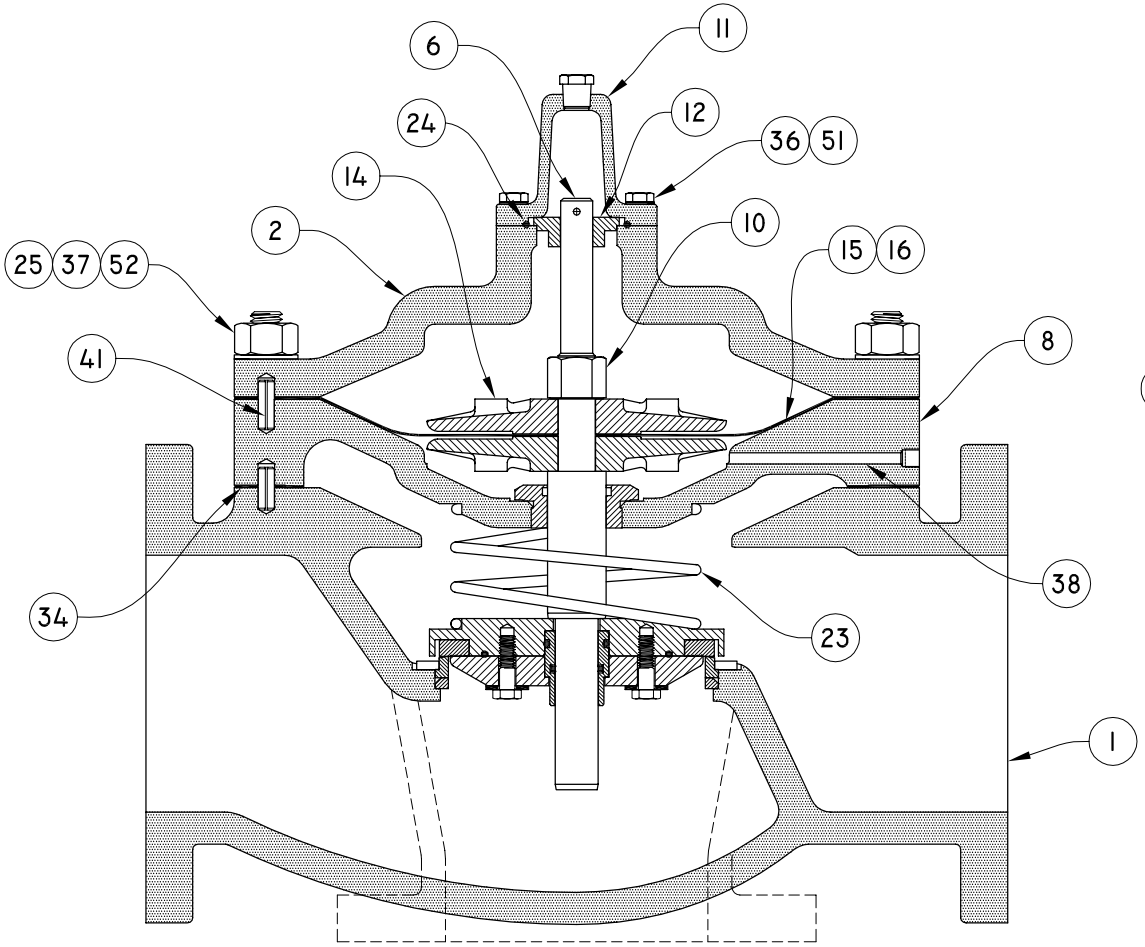
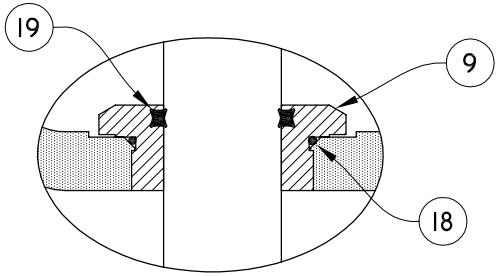
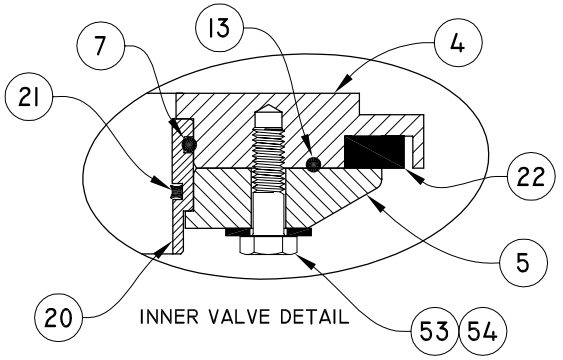
A0947A

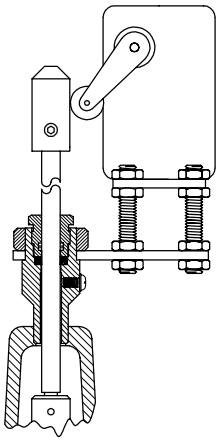




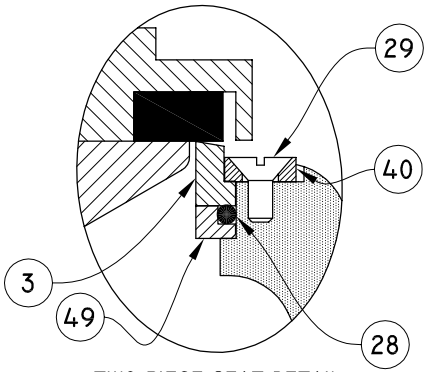
ADAPTOR BUSHING DETAIL



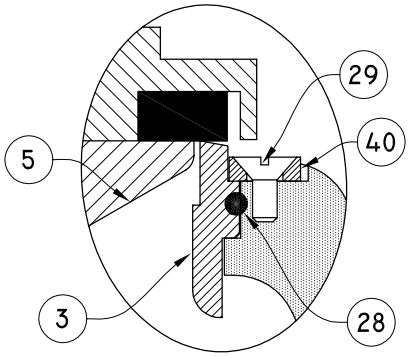
INNER VALVE DETAIL



OPTIONAL LIMIT SWITCH - SEE DRAWING A0707A FOR DETAILS



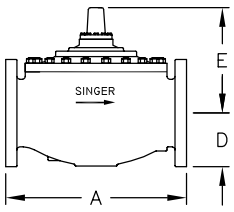
TWO PIECE SEAT DETAIL

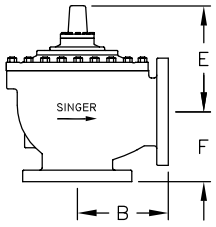


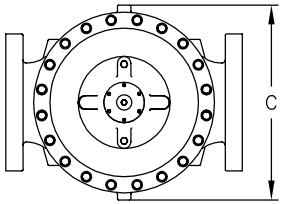
ONE PIECE SEAT DETAIL

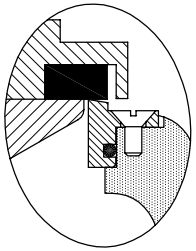
DOUBLE CHAMBER MAIN VALVE WITH INTERNAL MECHANICAL CHECK (SLIDING INNER VALVE)

SIZES 2-1/2" TO 8" (65MM TO 200MM) 106 & A106
SIZES 3" TO 10" (80MM TO 250MM) 206 & A206









NOTE: SOME SIZES MAY HAVE A SINGLE PIECE SEAT, SPACER RING AND RETAINING WASHER

SINGER VALVE
Result-Based Solutions. Globally.

www.singervalve.com 12850–87th Avenue. Surrey, B.C. V3W 3H9

Drawn By:	Approved By:
STEPHEN BISHOP	
Date:	Drawing:
DECEMBER 27th 2007	A0947A

MODEL 106-PTC, 206-PTC, A106-PTC & A206-PTC

SINGER VALVE
Result-Based Solutions. Globally.™

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

Material Specifications & Dimensions

2-1/2"-8" (65mm-200mm) 106-PTC & A106-PTC; 3"-10" (80mm-250mm) 206-PTC & A206-PTC

For Drawing A0947A

Item	Part	Material
1	Body	Ductile Iron
2	Bonnet	Ductile Iron
3	Seat Ring	Stainless Steel
4	Inner Valve	Ductile Iron
5	Disc Retainer	Ductile Iron
6	Stem	Stainless Steel
7 **	**Disc Retainer Seal**	**Buna-N**
8	Adaptor	Ductile Iron
9	Adaptor Bushing	Brass
10	Stem Nut	Brass
11	Stem Cap	Ductile Iron
12	Guide Bushing	Brass
13 **	**Inner Valve Seal**	**Buna-N**
14	Clamp Plate	Cast Iron
15 **	**Diaphragm**	**EPDM**
16 **	**Diaphragm Seal**	**Buna-N**
18 **	**Adapter Seal**	**Buna-N**
19 **	**Adapter Bushing Seal**	**Buna-N**

Item	Part	Material
20	Inner Valve Sleeve	Brass
21 **	**Inner Valve Sleeve Seal**	**Buna-N**
22 **	**Resilient Disc**	**EPDM or Buna-N**
23	Spring	Stainless Steel
24 **	**Stem Cap Seal**	**Buna-N**
25	Adapter Studs	Stainless Steel
28 **	**Seat Ring Seal**	**Buna-N**
29	Seat Ring Screw	Stainless Steel
34 **	**Body Gasket**	**Cork-Nitrile**
36	Stem Cap Capscrew	Stainless Steel
37	Adapter Nuts	Stainless Steel
38	Adapter Tube	Copper
40	Retaining Washer	Stainless Steel
41	Locating Pin	Steel
49	Spacer Ring	Bronze
52	Bonnet Washer	Stainless Steel
53	SIV Retaining Screw	Stainless Steel
54	SIV Retaining Washer	Stainless Steel

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

106-PTC & A106-PTC		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

206-PTC & A206-PTC		Globe			Globe & Ang	Angle		
		A	D	E	C	B	E	F
3" 80mm	**150F / PN10, PN16**	12" 305mm	4" 102mm	8.93" 227mm	8.19" 208mm	-	-	-
4" 100mm	**150F / PN10, PN16, PN25, PN40**	15" 381mm	4.60" 117mm	11.28" 287mm	10" 254mm	7.56" 192mm	9.50" 241mm	5.94" 151mm
	300F	15.63" 397mm	5" 127mm	11.28" 287mm	10" 254mm	7.88" 200mm	9.50" 241mm	6.25" 159mm
6" 150mm	**150F / PN10, PN16**	20.12" 511"	5.62" 143mm	12.18" 308mm	12.50" 318mm	10.19" 259mm	10.50" 267mm	6.19" 157mm
	300F / PN25, PN40	21" 533mm	6.34" 161mm	12.18" 308mm	12.50" 318mm	10.63" 270mm	10.50" 267mm	6.81" 173mm
8" 200mm	**150F / PN10, PN16**	25" 635mm	6.75" 171mm	16.25" 413mm	16" 406mm	12.50" 318mm	13.43" 341mm	9" 229mm
	300F / PN25, PN40	26" 660mm	7.50" 191mm	16.25" 413mm	16" 406mm	13" 330mm	13.43" 341mm	9.50" 241mm
10" 250mm	**150F / PN10, PN16**	24.50" 622mm	8" 203mm	21.38" 543mm	20" 508mm	-	-	-
	300F / PN25, PN40	25.88" 657mm	8.63" 219mm	21.38" 543mm	20" 508mm	-	-	-

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