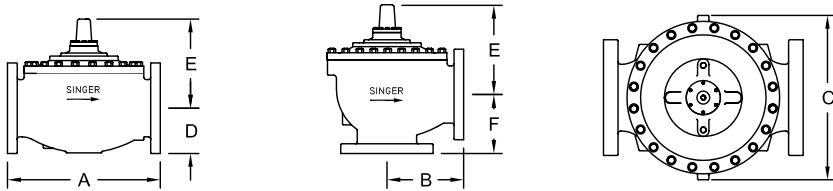


DOUBLE CHAMBER MAIN VALVE

c/w MECHANICAL INTERNAL DROP CHECK (IDC)

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





SINGER VALVE

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Drawn By: Scott Grover	Approved By: Kari Oksanen
Date: February 13, 2006	Drawing: A0515H
Model 106-PTC & A106-PTC	

Material Specifications & Dimensions

2-1/2"-8" (65mm-200mm) 106-PTC & A106-PTC
 For Drawing A0515H

Item	Part	Material	Item	Part	Material
1	Body	Ductile Iron	19 **	Adapter Bushing Seal	Buna-N
2	Bonnet	Ductile Iron	20	Inner Valve Sleeve	Brass
3	Seat Ring	Stainless Steel	21 **	Inner Valve Sleeve Seal	Buna-N
4	Inner Valve	Ductile Iron	22 **	Resilient Disc	EPDM or Buna-N
5	Disc Retainer	Ductile Iron	23	Spring	Stainless Steel
6	Stem	Stainless Steel	24 **	Stem Cap Seal	Buna-N
7 **	Disc Retainer Seal	Buna-N	25	Adapter Studs	Stainless Steel
8	Adaptor	Ductile Iron	28 **	Seat Ring Seal	Buna-N
9	Adaptor Bushing	Brass	29	Seat Ring Screw	Stainless Steel
10	Stem Nut	Brass	34 **	Body Gasket	Cork-Nitrile
11	Stem Cap	Ductile Iron	36	Stem Cap Capscrew	Stainless Steel
12	Guide Bushing	Brass	37	Adapter Nuts	Stainless Steel
13 **	Inner Valve Seal	Buna-N	38	Adapter Tube	Copper
14	Clamp Plate	Cast Iron	40	Retaining Washer	Stainless Steel
15 **	Diaphragm	Neoprene	41	Locating Pin	Steel
16 **	Diaphragm Seal	Buna-N	49	Spacer Ring	Bronze
18 **	Adapter Seal	Buna-N	50	Limit Switch Assembly	Dwg A0707A

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