



# GP-2000CS Carbon Steel Body

## For Steam Service

The GP-2000CS is a high performance, externally piloted reducing valve for large capacity requirements. Typical use is on intermittent service, including applications such as heat exchangers, steam coils, rotating dryers, process equipment and heating systems. With a 20:1 rangeability and high  $C_v$ , the GP-2000CS is reliable and accurate (+/-1% of pressure set point from 5% to 100% of flow) over a long, trouble-free service life. Stellite stainless steel working

parts are renewable in-line. Single seated for dead-end service. Available with both NPT (1/2" - 2") and flanged connections in 2" - 4" sizes.

For a fully detailed certified drawing, refer to:

GP-2000 CDY #1008  
 GP-2000 Flanged CDY #1007

Pressure and Temperature Controls

GP-2000GP-2000CS Specifications										
Application	Inlet Pressure psig (bar)	Reduced Pressure psig (bar)	Spring Color	Maximum Temperature °F (°C)	Minimum Differential psig (bar)	Materials				
						Body	Main Valve/Seat	Pilot Valve/Seat	Diaphragm	Color
Steam	NPT 15 - 450 (1 - 31)	3 - 21 (.21 - 1.4)	Yellow	600°F (315°C)	7 (.48)	Carbon Steel WCB ASTM216 A216M-08	Stainless Steel 304 Stainless Steel Stellite	420 Stainless Steel	Stainless Steel AISI 301	Silver
	150 lb Flanged 15 - 140 (1 - 9.6)	15 - 200 (1 - 13.6)	Green							
	300 lb Flanged 15 - 450 (1 - 31)	190 - 300 (13.1 - 20.6)	Brown							

GP-2000CS Dimensions and Weights																										
Size	L						A		F		H Integral		H <sub>1</sub>		H <sub>2</sub>		Weight						C <sub>v</sub>			
	NPT		150#		300#												NPT		150#		300#					
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg	lb	kg	lb	kg	
1/2	15	5-15/16	150	-	-	-	-	7-15/16	200	6-7/8	176	15-3/4	398	6-3/4	170	9-5/8	244	35	16	-	-	-	-	-	-	5.0
3/4	20	5-15/16	150	-	-	-	-	7-15/16	200	6-7/8	176	15-3/4	398	6-3/4	170	9-5/8	244	35	16	-	-	-	-	-	-	7.2
1	25	6-5/16	160	-	-	-	-	8-15/16	226	7-1/16	179	15-15/16	404	6-15/16	175	10	254	49	22	-	-	-	-	-	-	10.9
1-1/4	32	7-1/8	180	-	-	-	-	8-15/16	226	7-7/16	188	17-1/8	434	7-5/8	192	11-1/8	283	53	24	-	-	-	-	-	-	14.3
1-1/2	40	7-1/8	180	-	-	-	-	8-15/16	226	7-7/16	188	17-1/8	434	7-5/8	192	11-1/8	283	53	24	-	-	-	-	-	-	18.8
2	50	9-1/8	230	8-9/16	217	9-1/8	232	10-15/16	276	7-11/16	195	19-5/8	498	8-1/2	216	12-5/8	321	62	37	88	40	92	42	32	32	
2-1/2	65	-	-	10-15/16	278	11-1/2	292	13-13/16	352	8-5/16	211	21-3/4	552	9-13/16	251	14-3/4	375	-	-	159	72	168	76	60	60	
3	80	-	-	11-3/4	298	12-7/16	315	13-13/16	352	8-3/4	222	22-5/8	575	10-7/16	264	15-3/4	400	-	-	174	79	185	84	78	78	
4	100	-	-	13-1/2	343	14-1/8	359	15-13/16	401	9-7/16	239	25-15/16	658	12-5/8	321	19-1/4	489	-	-	276	125	293	133	120	120	

For capacities see page 299.

