



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 Cv, 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

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		H ₁	H ₂	Weight						C _v			
	NPT		150#		300#				Integral				NPT		150#		300#					
in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	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	- -	- -	- -	- -	- -	- -	- -	- -	- -	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	- -	- -	- -	- -	- -	- -	- -	- -	- -	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	- -	- -	- -	- -	- -	- -	- -	- -	- -	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	- -	- -	- -	- -	- -	- -	- -	- -	- -	120

For capacities see page 305.

