

## **For Steam Service**

The GP-2000 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-2000 is reliable and accurate (+/-1% of pressure set point from 5% to 100% of flow) over a long, trouble-free service life. Hardened 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 1/2" - 6" sizes. ANSI Class IV Shutoff.

For a fully detailed certified drawing, refer to:

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

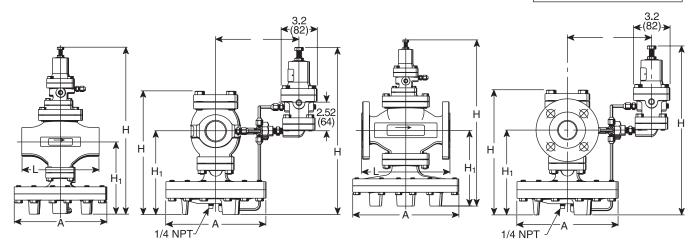
GP-2000 Specifications													
Application		Reduced		Maximum	Minimum	Materials							
	Inlet Pressure psig (bar)	Pressure psig (bar)	Spring Color	Temperature °F (°C)	Differential psig (bar)	Body	Main Pilot Valve/Seat Valve/Seat		Diaphragm	Color			
Steam	NPT 15 - 300 (1 - 20) 15 - 185 (1 - 13) 150 lb. Flanged 15 - 300 (1 - 20) 300 lb. Flanged	*1.5 - 3 (.1021) 3 - 21 (.21 - 1.4) 15 - 200 (1 - 13.8)	Yellow Yellow Green	450 (232)	7 (.48)	Ductile Iron ASTM A536	Stainless St	eel AISI 420	Stainless Steel AISI 301	Dark Gray			

\*NOTE: When using this spring range, remove one (1) pilot diaphragm. Capacities are reduced by 1/2 of capacity chart when this spring is being used.

GP-2000 Dimensions and Weights																										
e:		Face-to-Face "L"					Λ				H Integral		U Domoto		ш		ш		Weight						П	
Size		NPT		150#		300#		A		Г		n ilitegrai		H Remote		H <sub>1</sub>		H <sub>2</sub>		NPT		150#		300#		C <sub>V</sub> *
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	
1/2	15	5-15/16	150	5-9/16	141	5-3/4	147	7-15/16	200	6-7/8	176	15-3/4	398	14-1/4	362	6-3/4	170	9-5/8	244	34	14	36	15	42	19	5.0
3/4	20	5-15/16	150	5-1/2	140	5-3/4	147	7-15/16	200	6-7/8	176	15-3/4	398	14-1/4	362	6-3/4	170	9-5/8	244	34	14	36	15	42	19	7.2
1	25	6-5/16	160	5-3/4	147	6-1/4	159	8-15/16	226	7-1/16	179	15-15/16	404	14-7/16	367	6-15/16	175	10	254	44	19	48	20	54	23	10.9
1-1/4	32	7-1/8	180	6-1/2	166	7-1/16	179	8-15/16	226	7-7/16	188	17-1/8	434	15-1/8	384	7-5/8	192	11-1/8	283	51	22	53	22	59	25	14.3
1-1/2	40	7-1/8	180	7-7/16	189	7-15/16	202	8-15/16	226	7-7/16	188	17-1/8	434	15-1/8	384	7-5/8	192	11-1/8	283	51	22	55	23	61	26	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	16	406	8-1/2	216	12-5/8	321	75	33	81	36	84	36	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	17-5/16	440	9-13/16	251	14-3/4	375	-	-	142	65	150	65	60
3	80	-	_	11-3/4	298	12-7/16	315	13-13/16	352	8-3/4	222	22-5/8	575	17-15/16	456	10-7/16	264	15-3/4	400	_	_	155	69	166	72	78
4	100	-	_	13-1/2	343	14-1/8	359	15-13/16	401	9-7/16	239	25-15/16	658	20-1/8	511	12-5/8	321	19-1/4	489	_	_	247	112	264	119	120
6	150	-	_	18-1/8	460	19	483	19-3/4	502	-	_	31-3/4	806	-	_	16-1/4	414	26-1/2	673	_	_	507	230	553	252	250

<sup>\*50%</sup> reduced port available for sizes 1/2" - 4". The C<sub>v</sub> value should be divided by 2 to get reduced port C<sub>v</sub>.

For capacities see page 305.



Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit armstronginternational.com for up-to-date information.