

For Steam Back Pressure Regulation

The GP-2000R is a high performance externally piloted throttling back pressure valve for large capacity applications. Typical applications would include those systems utilizing flash steam for low pressure heating or processes. The GP-2000R

valves will function to maintain a constant upstream pressure. This valve is not a safety valve and should not be used for that purpose.

Table PTC-266-1. GP-2000R Specifications

Application	Inlet Pressure (barg)	Reduced Pressure (barg)	Spring Color	Maximum Temperature (°C)	Minimum Differential (barg)	Materials				
						Body	Main Valve / Seat	Pilot Valve / Seat	Diaphragm	Color
Steam	1 - 14	*0,2 - 1,4	Yellow	232	0,2	Ductile Iron ASTM A536	Stainless Steel AISI 420	Stainless Steel AISI 301	Dark Gray	
		1,4 - 11,0	Green							
		10,0 - 13,8	Brown							

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.

Table PTC-266-2. GP-2000R Dimensions and Weights

Size	Face-to-Face (L)		A	F	H Integral	H Remote	H ₁	H ₂	Weight		Cv
	BSPT	PN 25/40							BSPT	PN 25/40	
	mm	mm									
15 - 1/2"	150	150	200	176	398	362	170	244	14	16	5,0
20 - 3/4"	150	150	200	176	398	362	170	244	14	17	7,2
25 - 1"	160	160	226	180	404	367	175	254	19	23	10,9
32 - 1 1/4"	180	180	226	180	434	384	192	283	22	26	14,3
40 - 1 1/2"	180	200	226	180	434	384	192	283	22	26	18,8
50 - 2"	230	230	276	197	498	406	216	321	33	38	32,0
65 - 2 1/2"	-	290	352	211	552	440	251	275	-	67	60,0
80 - 3"	-	310	352	222	575	456	264	400	-	73	78,0
100 - 4"	-	350	401	240	658	511	321	489	-	114	120,0
150 - 6"	-	480	502	-	806	-	692	405	-	252	250,0

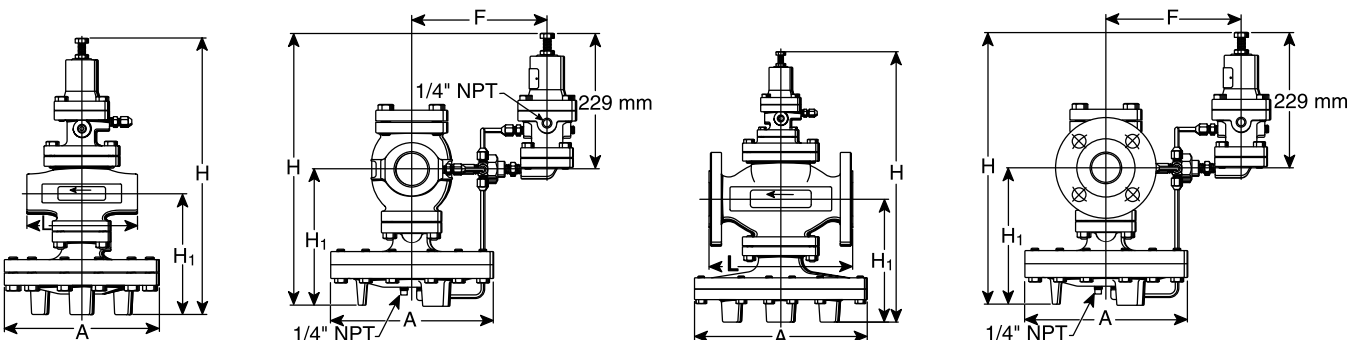
Shade indicates products that are CE Marked according to the PED (97/23/EC). All the other sizes comply with the Article 3.3 of the same directive.

Note: DN150 valve is available in integral version only, but is not CE Marked.

For capacities see page PTC-267.

External Sensing Line is not included as standard, but could be delivered on request. Internal Sensing Kit is also available.

Pressure sensing line size: 1/4"



GP-2000R standard

GP-2000R Remote Mount

GP-2000R standard

GP-2000R Remote Mount

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.