

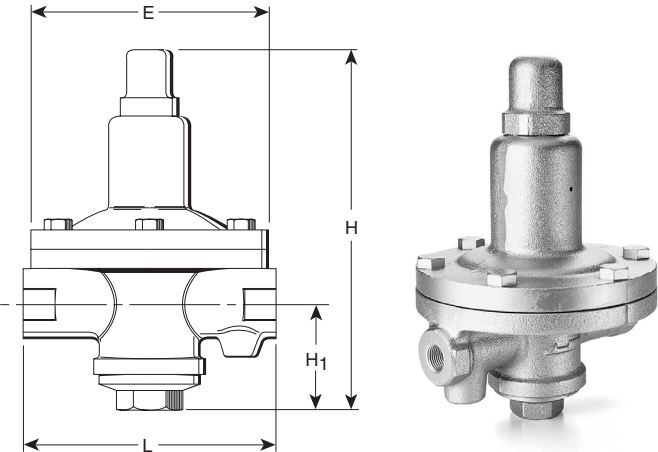


GD-6N (Steam), GD-6 (Liquid, Gas)

For Steam, Air and Water

The GD-6N and GD-6 are compact, direct acting diaphragm valves ideal for low-flow applications, including laundry/dry cleaning equipment, hospital equipment, tire/plastic molds and food processing. Lightweight and compact, the valves require no external sensing lines or additional parts. External adjusting screw with locking nut and cover make for quick, easy setting and adjustment. Tight shutoff for dead-end service. Removable stainless steel diaphragm, hardened stainless steel working parts (6N), integral removable strainer (6N) and in-line renewable valve and seat. Available in 3/8", 1/2", 3/4" and 1" sizes with a choice of two set pressure spring ranges.

For a fully detailed certified drawing, refer to CDY #1040.



Pressure and Temperature Controls

GD-6N/GD-6 Specifications

Model	Application	Inlet Pressure psig (bar)	Reduced Pressure psig (bar)	Spring Color	Minimum Differential psig (bar)	Maximum Temperature °F (°C)	Materials			
							Body	Main Valve	Valve Seat	Diaphragm
GD-6N	Steam	15 - 150 (1 - 10)	3 - 15 (.21 - 1.0) and 15 - 60 (1 - 4)	Yellow Stripe	7 (.48)	450 (232)	Cast Iron ASTM A278	Stainless Steel AISI 304	Stainless Steel AISI 420	Stainless Steel AISI 304
GD-6	Liquid Gas			Yellow/Blue Stripe				Brass (w/Disc) ASTM B16	Bronze ASTM B584	

GD-6N Capacities—Steam

		lb/hr				kg/hr						
Inlet	Outlet	Connection Size				Inlet	Outlet	Connection Size				
		in						mm				
psig		3/8	1/2	3/4	1	bar		10	15	20	25	
15	3 - 8	18	25	51	76	1.0	.2 - .6	8.2	11.3	23.1	34.5	
	20	13	12	17	34		51	.9	5.4	7.7	15.4	23.1
25	3 - 10	21	30	59	89	1.4	.2 - .7	9.5	13.6	26.8	40.4	
	18	14	20	41	61		1.2	6.4	9.1	18.6	27.7	
30	15	19	28	55	83	1.7	1.0	8.6	12.7	24.9	37.6	
	3 - 12	24	34	68	102		.2 - .8	10.9	15.4	30.8	46.3	
40	23	16	23	47	71	2.1	1.6	7.3	10.4	21.3	32.2	
	20	21	30	59	89		1.4	9.5	13.6	26.8	40.4	
50	3 - 15	27	38	76	115	2.8	.2 - 1	12.2	17.2	34.5	52.2	
	32	21	30	60	90		2.2	9.5	13.6	27.2	40.8	
60	25	28	40	79	119	3.4	1.7	12.7	18.1	35.8	54.0	
	4 - 20	33	47	94	140		.3 - 1.4	15.0	21.3	42.6	63.5	
75	40	25	36	73	109	4.1	2.8	11.3	16.3	33.1	49.4	
	32	33	47	94	141		2.2	15.0	21.3	42.6	64.0	
100	5 - 25	39	55	111	166	5.2	.3 - 1.7	17.7	24.9	50.3	75.3	
	48	30	43	55	128		3.3	13.6	19.5	24.9	58.1	
125	60	40	37	53	107	6.9	4.1	16.8	23.6	47.2	70.8	
	6 - 30	45	64	128	192	2.8	16.8	24.0	48.5	72.6		
150	60	37	52	104	156	8.6	.4 - 2.1	20.4	29.0	58.1	87.1	
	48	47	67	135	202		4.1	16.8	24.0	48.5	72.6	
175	7 - 37	54	77	153	230	10.3	.5 - 2.6	24.5	34.9	69.4	104.3	
	65	61	87	173	260		4.5	27.7	39.5	78.5	117.9	
200	10 - 50	69	98	196	294	10.3	.7 - 3.4	31.3	44.5	88.9	133.4	
	125	13 - 60	84	119	239		358	.9 - 4.1	38.1	54.0	108.4	162.4
225	150	15 - 60	99	142	283	425	10.3	1 - 4.1	44.9	64.4	128.4	192.8

NOTE: For air capacities scfm, multiply steam capacities (lb/hr) by 0.36.
For air capacities m3/hr, multiply steam capacities (kg/hr) by 1.35.
Maximum pressure reduction ratio 10:1.
ANSI Class IV Shutoff.

GD-6N/GD-6 Dimensions and Weights

Symbol	Connection Size							
	in		mm		in		mm	
	3/8	10	1/2	15	3/4	20	1	25
L	6-1/2	165	6-1/2	165	7-1/4	185	7-1/4	185
H	9-1/2	237	9-1/2	237	10-1/4	261	10-1/4	261
H ₁	2-1/4	57	2-1/4	57	3	76	3	76
E	6-1/8	155	6-1/8	155	7	175	7	175
Wt lb (kg)	12 (5.5)		12 (5.5)		18 (8.2)		18 (8.2)	
C _v	.35		.5		1.0		1.5	

GD-6 Capacities—Water

ΔP	gpm				l/min				
	Connection Size				Connection Size				
	in				mm				
psig	3/8	1/2	3/4	1	bar	10	15	20	25
5	.8	1.1	2.2	3.4	.35	3.0	4.2	8.3	12.9
10	1.1	1.6	3.2	4.7	.7	4.2	6.0	12.1	17.8
15	1.4	1.9	3.9	5.8	1.0	5.3	7.2	14.8	22.0
25	1.8	2.5	5.0	7.5	1.7	6.8	9.5	18.9	28.4
50	2.5	3.5	7.1	10.6	3.5	9.5	13.2	26.9	40.1
75	3.0	4.3	8.7	13.0	5.2	11.4	16.3	32.9	49.2
100	3.5	5.0	10.0	15.0	6.9	13.2	18.9	37.9	56.8
125	3.9	5.6	11.2	16.8	8.6	14.8	21.2	42.4	63.6
147	4.2	6.1	12.1	18.2	10.0	15.9	23.1	45.8	68.9