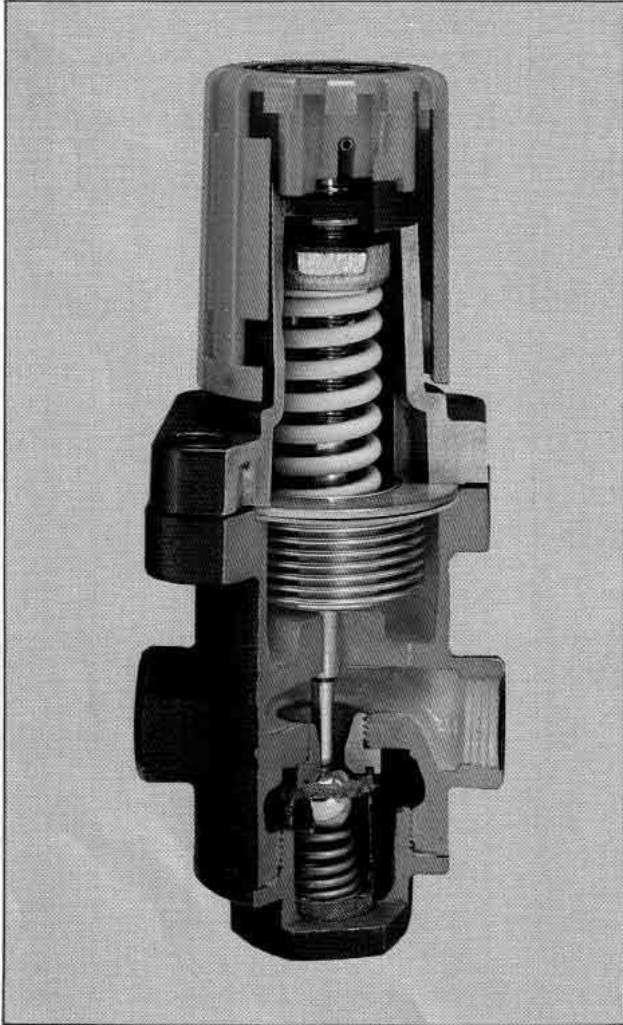


# GD-30

## Armstrong Pressure Reducing Valve

For steam, air, and non-corrosive gases



GD-30

The GD-30 is a compact, high-performance direct-acting valve. Inexpensive to buy and use, it is ideal for those moderate flow applications which do not justify the higher cost of pilot-controlled valves. The GD-30 is well suited for laundry and dry cleaning equipment, hospital equipment, tire molds, humidifiers, small heaters and applications in food processing. Tight shutoff for dead-end service on steam.

### Quick, easy installation

- Lightweight and compact
- Piping supports the valve
- Mounts in any position
- Screwed connections
- No external sensing lines or parts needed
- Strong cast bronze body won't warp during piping

### Simple selection

- 1/2", 3/4" and 1" sizes
- Match pipe size normally \*
- Three pressure range springs (For best control when ranges overlap, use smaller range spring)

### Easy adjustment

- Set and lock by lifting knob and turning
- No tools needed
- Aluminum topworks, high-temperature plastic set point knob and an air gap between them eliminate hot surfaces and burned hands.
- Change range spring bellows by removing four bolts, removing top and lifting out parts

### Long life/easy maintenance

- Highly resilient phosphor bronze bellows
- Hardened stainless steel working parts
- Integral strainer (removable for cleaning) for protection from wear of dirt
- Renew valve and seat in-line

Table 1-1

### Performance and Specifications GD-30

Service	Inlet Pressure (psig)	Reduced Pressure (psig)	Minimum Pressure Difference (psig)	Maximum Temperature (°F)	Materials			Connection	Hydraulic Test (Body)
					Body	Valve/Seat	Bellows		
Steam Air Non-corrosive Gases	15-250	3-15 7-60 50-150	7	410	Cast Bronze	Hardened Stainless Steel	Phosphor Bronze	BSP	500 psig

# GD-30

## Pressure Reducing Valve

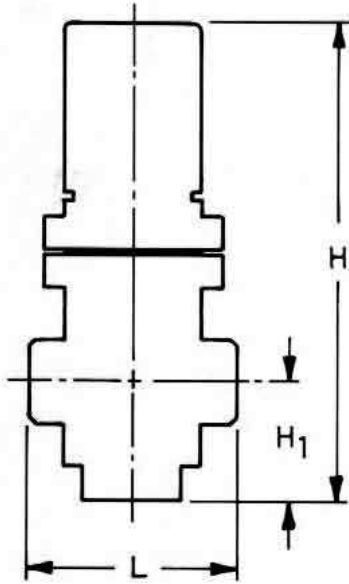


Table 2-1  
Dimensions and Weights GD-30

Symbol	Connection Size (inches)		
	1/2"	3/4"	1"
L	3 1/4"	3 3/8"	3 3/4"
H <sub>1</sub>	2"	2"	2"
H	7 1/2"	7 1/2"	7 1/2"
Lbs.	4 1/4	4 1/4	4 1/2
C <sub>v</sub>	1.3	1.5	2.5

Table 2-2  
Capacities, Model GD-30

Inlet (psig)	Outlet (psig)	Connection Size (inches)					
		STEAM (lbs/hr)			AIR (scfm)		
		1/2"	3/4"	1"	1/2"	3/4"	1"
15	8	52	60	99	17	20	33
	3-7	66	76	127	24	27	46
20	13	57	65	108	19	22	36
	3-10	77	89	148	28	32	53
30	23	65	75	125	21	25	41
	20	77	89	147	28	32	53
	3-15	99	115	191	36	41	69
40	32	78	90	150	28	32	54
	25	103	119	198	37	43	71
	4-20	122	140	234	44	50	84
60	48	111	128	213	40	46	77
	40	139	160	267	50	58	96
	6-30	166	192	319	60	69	115
80	64	144	166	277	52	60	100
	50	188	218	363	68	78	131
	8-40	211	243	405	76	87	146
100	80	177	204	340	64	73	122
	60	237	274	457	85	99	165
	10-50	255	294	490	92	106	176
120	96	210	242	403	76	87	145
	76	272	314	523	98	113	188
	12-60	299	346	576	108	125	207
160	128	275	317	529	99	114	190
	108	339	392	653	122	141	235
	16-80	388	448	747	140	162	269
180	144	308	355	592	111	128	213
	124	373	430	717	134	159	258
	18-90	433	499	832	156	180	300
200	150	373	431	718	134	155	258
	120	456	527	878	164	190	316
	20-100	477	551	918	172	198	330
250	150	564	651	1086	203	234	391
	140	580	670	1120	209	241	403
	25-125	588	679	1132	212	244	408