TYPE D
PRESSURE REDUCING VALVE

200 lb. Bronze Body, Stainless Steel Trim
Single Seat — Tight Closing
Spring Range 5 to 30; 15 to 100
Steam, Air Service

TYPE D

This pressure reducing regulator is a direct-acting spring-loaded valve, designed with a large diaphragm, and effective working area to secure sensitive control and more accurate regulation of reduced pressure, and is recommended for small systems where a tight closing valve is required to prevent the pressure on the system from building up.

Construction: These regulators are made with bronze body and stainless steel valve, seat and spring.

A metal diaphragm is used for steam service. A rubber diaphragm with fabric insert is used for air service.

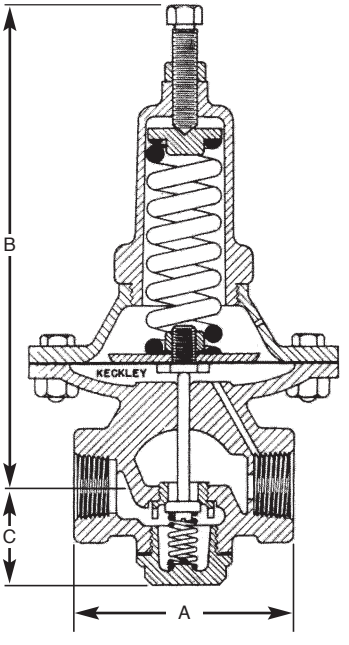
The advantage of this regulator is that it is compact and light in weight, simply constructed, easily adjusted, economical and accurate for small systems where a tight closing valve is required.

Operation: This regulator is normally held open by the spring tension, and the steam or air enters diaphragm chamber through the port on delivery side of valve, the pressure under the diaphragm forcing the diaphragm upward against tension of spring, causing main valve to close, forming a balance between the delivery pressure and the tension of the adjusting spring.

The reverse or indirect action is very simple and has few moving parts. Adjustment is easily made with common tools. Turning the adjusting screw into the top cap increases the reduced pressure. Capacity of this valve is approximately one-third the pipe line of any given size. The Type D Valve is a high quality valve and can be recommended for light exacting service.

Applications: Controlling steam pressure to stills, kettles, sterilizers, presses, washers and many others for both air and steam.

DATA REQUIRED WHEN ORDERING:
Inlet pressure
Outlet pressure
Media
Capacity



DIMENSIONS—WEIGHTS (approximate)

	BRONZE BODY Screwed Ends			
SIZE	A Inches	B Inches	C Inches	Shipping Weight
¼	3⅜	8⅝	1⅝	9
⅜	3⅜	8⅝	1⅝	9
½	3⅜	8⅝	1⅝	9
¾-1	3⅜	8⅝	1⅝	9

MAXIMUM CAPACITIES

Inlet Pressure	Outlet Pressure	Pounds of Saturated Steam Per Hour — VALVE SIZE				Inlet Pressure	Outlet Pressure	Cubic Feet of Air Per Minute — VALVE SIZE			
		¼	⅜	½	¾-1			¼	⅜	½	¾-1
25	5 to 15	6.7	15	27	60	25	5 to 15	2.7	6.2	10.9	25
50	5 to 30	10.8	24	43	97	50	5 to 30	4.5	10.2	18.2	41
75	5 to 45	15	34	60	135	75	5 to 45	6.2	14.1	25	56
75	55	12.5	28	50	110	75	55	5.2	11.7	21	47
100	5 to 55	19.7	44	79	180	100	5 to 55	7.8	17.6	31	70
100	80	14.8	33	59	135	100	80	6.2	14.1	25	56
150	5 to 80	28	63	110	250	150	5 to 80	11.7	26	47	105
150	100	26	58	100	130	200	5 to 105	15.0	34	60	135
200	5 to 105	36	81	145	320	—	—	—	—	—	—

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