

# Figures 43-D, 43-U

## Direct Acting Pressure Reducing Valves

### Description

GA Industries Figures 43-D and 43-U are direct acting, pressure balanced, spring loaded, globe body pressure reducing valves. They reduce a higher inlet pressure to a lower outlet pressure.

The valve's "pressure balanced" design means the reduced pressure will remain steady even though the inlet pressure fluctuates. The valve is full ported for maximum capacity and utilizes sensitive, responsive springs for precise reduced pressure control over a wide flow range.

### Product Features

- Heavy duty lead free bronze body for long term dependable service
- Stainless steel internal components
- Buna-N seat for tight shutoff
- Gauge ports

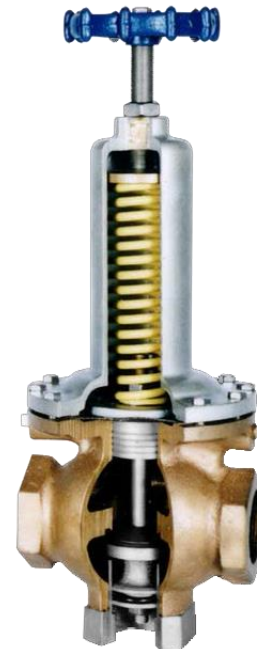
### Standard Materials

- Body Lead Free Bronze, Alloy C89833
- Internal Trim Type 303 Stainless Steel
- Renewable Seat Buna-N Rubber
- External Fasteners Type 304 Stainless Steel
- Adjusting Spring Alloy Steel, Painted
- Spring Chamber Aluminum Alloy

### Ordering Data

- Figure Number (43-D, 43-U)
- Size
- Reduced Pressure Setting, PSI

Data Sheet 43.01B



Non-Shock Working Water Pressure Up to 125F (52C)		
Figure Number	43-D	43-U
Connections	NPT Female	
Connection Size	½", 1", 2"	
Max Inlet	150 PSI	300 PSI
Hydro Test	225 PSI	450 PSI

SIZING GUIDELINES	Valve Size		
	½"	1"	2"
Maximum Recommended Continuous Flow, USGPM	10	30	100

- Above based on 10 feet/sec nominal velocity through the valve and a reduced pressure setting at least 15 PSI below the minimum inlet pressure
- Larger size pilot-operated pressure reducing valves are available for flows above 100 GPM, see Data Sheets PRV.01 or GA-5450.0217

Reduced Pressure Spring Ranges, PSI		
½"	1"	2"
5-20	5-22	5-25
15-32	15-35	15-40
25-50	25-55	25-61
40-100	40-109	40-125
90-125	90-137	90-153

### Installation Dimensions

SIZE	½"	1"	2"
A	5¼	5¾	7
B	2	3	3½
C (Max)	15	15	14½
D (Dia)	5 or 7	7	7
Weight	35	40	55

Dimensions in inches, weight in pounds and are approximate. Consult factory if critical

