

Figures 667-D, 667-U Direct Acting Surge Relief Valves for Water

Description

GA Industries Figures 667-D and 667-U are direct acting, pressure balanced, spring loaded, globe body surge relief valves, designed to protect small water pump stations and systems from excessively high pressure due to a sudden stoppage of pumping or valve closure.

The valves are closed as long as the pressure at its inlet is below the spring setting but open as quickly as needed to discharge water out of the system at the rate necessary to prevent a further rise in pressure. The valve closes slowly and seals tightly when pressure decreases below the setting

The valve is full ported and utilizes sensitive, responsive springs for maximum capacity with a nominal rise in pressure above set point.

Product Features

- Heavy duty lead free bronze body for long term dependable service
- Stainless steel internal components
- Buna-N seat for tight shutoff
- Stainless steel closing speed needle valve
- Gauge port

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 (667-D, 667-U)
- Size
- Relief Pressure Setting, PSI

Data Sheet 667.01B

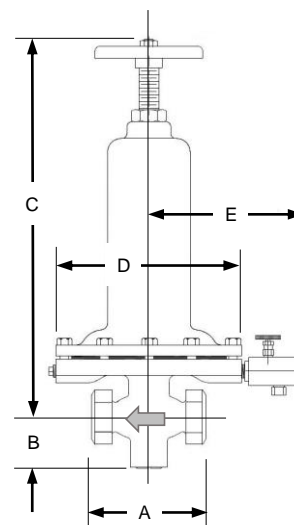


Non-Shock Working Water Pressure Up to 125F (52C)		
Figure Number	667-D	667-U
Connections	NPT Female	
Connection Size	½", 1", 2"	
Max Inlet Pressure	150 PSI	300 PSI
Hydro Test	225 PSI	450 PSI

SIZING GUIDELINES	Recommended Surge Relief Valve Size		
	½"	1"	2"
Maximum Pump Station Output or Flow in Pipe on Which Valve is Installed, USGPM	35	100	350

- Above is for guidance only and assumes surge relief valve discharges to atmospheric pressure. Many factors affect surge relief valve sizing. Contact VAG/GA Industries for computer aided surge relief valve sizing.
- Larger size surge relief valves are available for flows above 350 GPM, see Data Sheet SRV.01

Relief Pressure Setting 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



SIZE	½"	1"	2"
A	5¼	5¾	7
B	2	3	3½
C (Max)	15	15	14½
D (Dia)	5 or 7	7	7
E	7¾ or 9¾	9¾	9¾
Weight	35	40	55

Dimensions in inches, weight in pounds and are approximate. Request certified drawings if critical.