

Tubular Glass Gage

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V-Series Bronze Gage Valves

Jerguson® Gage & Valve offers a complete line of brass, bronze and stainless steel tubular glass gage valves for economical service.

The standard straight-through flow design features a durable cast aluminum wheel. Connections of 1/2 or 3/4 inch NPT are available for attaching the valve to the vessel.

Highly durable Pyrex® gage glass is available with outside diameters of 5/8 or 3/4 inch. Visibility lengths vary as required. Guard rods are recommended to protect the glass from damage, and for added safety.

Series VA Automatic

Model No. VA-991 5/8" Dia. Glass, 1/2" NPT Vessel Conn.
Model No. VA-902 3/4" Dia. Glass, 3/4" NPT Vessel Conn.

These tubular glass gage valves feature bronze body construction. They come complete with corrosive-resistant ballchecks for automatic closure in the event of glass breakage. This ensures safety and prevents the loss of fluid. Maximum working pressure is 400 PSI @ 100ºF, or 200 PSI @ 400ºF.

NOTE: Pressure ratings will vary depending upon temperature, glass length, and glass type. Refer to table for complete ratings.

Series VB Non-Automatic

Model No. VB-991 5/8" Dia. Glass, 1/2" NPT Vessel Conn.
Model No. VB-902 3/4" Dia. Glass, 3/4" NPT Vessel Conn.

These bronze valves are similar to above models. However, ballchecks are not standard, thus making operation non-automatic. A 1/4" needle drain valve in the lower unit accommodates a breakage condition. Either a 1/4" lower arm ball or a petcock is available upon request. Sizes, packing materials and working pressures are identical to Series VA Models.

Series VC Automatic

Model No. VC-991 5/8" Dia. Glass, 1/2" NPT Vessel Conn.
Model No. VC-902 3/4" Dia. Glass, 3/4" NPT Vessel Conn.

Conforming to ASME power-boiler code requirements, these gage valves feature stainless steel ballchecks in both upper and lower units. This provides automatic closure in the event of glass breakage and requires the ballcheck in the lower valve to rise vertically to its seat. A safety handle is also provided for manual operation of the 5/16" diameter drain valve. This valve is of the full-flow ball valve design.

The valve body is constructed of rugged, heavy pattern bronze. Standard packing materials are wear-resistant Teflon© PTFE. Maximum working pressure is rated at 500 PSI @ 100ºF, or 250 PSI @ 400ºF.

NOTE: Pressure ratings will vary depending on temperature, glass length, and glass type. Refer to table for complete ratings.

Series VE Non-Automatic

Model No. VE-991 5/8" Dia. Glass, 1/2" NPT Vessel Conn.
Model No. VE-902 3/4" Dia. Glass, 3/4" NPT Vessel Conn.

These gage valves are identical in every respect to above models, except for the non-autom atic design. Ballchecks are not included.

NOTE: Plastic protector enclosures are not available for the above glass gages.

Maximum Working Pressures with High Pressure Glass

Glass Length (inches)	Glass Diameter (inches)	Bronze Series VA & VB 100˚F Max PSI	Bronze Series VA & VB 400˚F Max PSI	Bronze Series VC & VE 100˚F Max PSI	Bronze Series VC & VE 400˚F Max PSI	Glass Types (to come)
10	5/8	400	200	420	250	
	3/4	400	200	410	250	
12	5/8	400	200	410	250	
	3/4	400	200	400	250	
18	5/8	360	200	360	250	
	3/4	355	200	355	250	
20	5/8	350	200	350	250	
	3/4	345	200	345	250	
24	5/8	320	200	320	250	
	3/4	315	200	315	250	
30	5/8	280	*	280	*	
	3/4	275	*	275	*	
36	5/8	245	*	245	*	
	3/4	240	*	240	*	
40	5/8	230	*	230	*	
	3/4	225	*	225	*	
48	5/8	195	*	195	*	
	3/4	190	*	190	*	
60	5/8	150	*	150	*	
	3/4	145	*	145	*	
72	5/8	100	*	100	*	
	3/4	100	*	100	*	

*Not Recommended

Cut Lengths for Tubular Glass

Model	Centerline factor to calculate exact lengths					
	Visible Range		Tubular Glass		Guard Rods	
	in	mm	in	mm	in	mm
VA-991	-2.875	-73	-1.250	-32	0.750	19
VA-902	-2.875	-73	-1.250	-32	0.750	19
VB-991	-2.875	-73	-1.250	-32	0.750	19
VB-902	-2.875	-73	-1.250	-32	0.750	19
VC-991	-4.000	-102	-2.000	-51	-0.750	-19
VC-902	-4.000	-102	-2.000	-51	-0.750	-19
VE-991	-4.000	-102	-2.000	-51	-0.750	-19
VE-902	-4.000	-102	-2.000	-51	-0.750	-19

Authorised Distributor:

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