

600# ANSI Rated Valves, Bolted Bonnet, OS&Y Construction

70BL/XL Series for Reflex or Transparent Flat Glass Gages



No. 73BL/73XL



No. 74BL/74XL



No. 76BL/76XL



No. 77BL/77XL

- Low Emission to API 624
- Regrindable, renewable seat
- Bolted bonnet
- Backseating stem

Built to ANSI, API Standards

Jerguson No. 70BL and 70XL Series Valves are designed for use with flat glass gages, instrument piping and for other applications requiring a rugged, lightweight valve. Pressure and temperature ratings exceed those of ANSI/ASME 600# class. Refer to table below for complete ratings.

PRESSURE RATINGS Carbon Steel Valves

Temperature		Pressure			
°F	°C	PSI	BarG	Kg/cm ²	kPaG
100	38	3000	206.8	210.9	20684
200	93	2723	187.8	191.5	18775
300	149	2446	168.7	172.0	16867
400	204	2169	149.6	152.5	14958
500	260	1893	130.5	133.1	13049
600	316	1616	111.4	113.6	11140
700	371	1339	92.3	94.1	9231
800	427	1062	73.2	74.7	7322

Saturated steam rating 750 WSP

Stainless Steel Valves

Temperature		Pressure			
°F	°C	PSI	BarG	Kg/cm ²	kPaG
100	38	2100	144.8	147.6	14479
200	93	1908	131.5	134.1	13153
300	149	1715	118.3	120.6	11827
400	204	1523	105.0	107.1	10502
500	260	1331	91.8	93.6	9176
600	316	1139	78.5	80.0	7850
700	371	946	65.2	66.5	6524
800	427	754	52.0	53.0	5199

Saturated steam rating 750 WSP

STANDARD FEATURES

OS&Y + Backseating Stem:The yoke supports the stem away from the valve body so the threaded portion of the stem is unaffected by heat and does not come in contact with process fluids. The stem has a backseating area which allows repacking the valve under pressure and protects the packing from the fluid.

Regrindable, Renewable Seat:The seat may be reground, removed or replaced using a standard 5/8" socket wrench.

Union Gage Connection: Nos. 74BL and 77BL are furnished with a union gage connection which allows a top and bottom connected gage to be turned to any desired angle for convenient visibility. It also makes possible the removal of the gage without removing the valves or draining the liquid from the vessel — a feature which saves time when gages must be cleaned or maintained.

Offset Pattern: Nos. 76BL and Nos. 77BL valve bodies are designed so the gage connections are offset 7/8" from the centerline of the vessel connections. By removing the vent or drain plug, the interior of a top and bottom connected gage may be swabbed without disassembly.

Safety Shut-Off:All No. 70BL Series Valves are equipped with stainless steel ballchecks upstream from the seats which instantaneously shuts-off flow of fluid in case of gage failure.

