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 tempera ture 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/cm²	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/cm²	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.



16633 Foltz Parkway • Strongsville, OH 44149 USA • Phone 440.572.1500
www.Jerguson.com • JergusonApp@clark-reliance.com

Liquid Level Valves

How to Specify 140, 60LE and 70BL Series Safety Ballcheck Valves

67LE – A – 1 – S – C04 – A04 – A04

Valve Series

Code	Description
143	Integral Bonnet, Straight Pattern Body, Non-Union Gage
144	Integral Bonnet, Straight Pattern Body, Union Gage
146	Integral Bonnet, Offset Body, Non-Union Gage
147	Integral Bonnet, Offset Body, Union Gage
63LE	Union Bonnet, Straight Pattern Body, Non-Union Gage
64LE	Union Bonnet, Straight Pattern Body, Union Gage
66LE	Union Bonnet, Offset Body, Non-Union Gage
67LE	Union Bonnet, Offset Body, Union Gage
73BL*	Bolted Bonnet, Straight Pattern Body, Non-Union Gage
74BL*	Bolted Bonnet, Straight Pattern Body, Union Gage
76BL*	Bolted Bonnet, Offset Body, Non-Union Gage
77BL*	Bolted Bonnet, Offset Body, Union Gage

** Specify X, XLE or XL for No Ballcheck on 140, 60LE or 70BL Series, respectively.*

Body Material

Code	Description
A	Carbon Steel
A32	LTCS (Offset Bodies Only)
T	316SS (Wetted Parts Only)
SP/T	All 316SS

Trim Material

Code	Description
1	416SS
2	316SS (NACE MR0175/MR0103 Compliant)
3	Monel (NACE MR0175/MR0103 Compliant)
4	Alloy 20 (NACE MR0175/MR0103 Compliant)

Packing

Code	Description
S	Standard 140 Series - Braided Carbon Fiber 60LE Series - Flex Graphite / Inconel (Low Emmission Certified) 70BL Series - Flex Graphite / Inconel (Low Emmission Certified)
G	Grafoil® (140 & 70BL Series Only)
T	Teflon® (140 & 70BL Series Only)

Union Process Connection 140/60LE Series
Non-Union Process Connection 70BL Series

Style Code	Description	*Size* Code	Description	Sizes Valid with Styles
A	FNPT	04	1/2"	A, B, C, D, F
B	FSW	06	3/4"	A, C, D, F
C	MNPT	08	1"	C, D, F
D	MSW	12	1-1/2"	F
F	RF ASME Flange	16	2"	F

Flange Type (If Applicable)

Code	Description
SO	(Slip-On)
SW	(Socket Weld)
WN	(Weld Neck)

Flange Class

Code	Description
01	150#
03	300#
06	600#
15	900/1500#

Options

Code	Description
Blank	Standard
SV	Spherical Union Process Connection
SG	Spherical Union Gage Connection
AP	Adjustable Union Process Connection
QL	Quick Closing w/ Levers
QH	Quick Closing w/ Handwheels
VR	Vertical Rising Ballcheck (Lower Top/Bottom Connected Valves Only - N/A for 143, 63LE, 73BL)
ST	Stellite Hardfacing on Seat/Stem (N/A for 140 Series)
SG	Spiral-Wound Gasket for Union Connections
AG	Adjustable Union Connection (Specify Gage or Process)
RJ	Ring Joint Flanges

Vent or Drain Connection 140/60LE Series*
Vent or Drain Connection 70BL Series*

Style Code	Description	*Size* Code	Description	Sizes Valid with Styles
A	FNPT	04	1/2"	A, B, F
B	FSW	06**	3/4"	A, B, F
		08	1"	F
		12	1-1/2"	F
F	RF ASME Flange	16	2"	F

** If Vent/Drain Connections differ, specify both*
*** 3/4" Vent/Drain not available with In-Line Body Valves*

Gage Connection 140/60LE Series
Gage Connection 70BL Series

Style Code	Description	*Size* Code	Description	Sizes Valid w/ 144, 147, 64LE, 67LE, 74BL, 77BL (Union)	Sizes Valid w/ 143, 146, 63LE, 66LE, 73BL, 76BL (Non-Union)
A	FNPT	04	1/2"	A, B, C, D, F	A, B, F
B	FSW	06	3/4"	A, C, D, F	A, B, F
C	MNPT	08	1"	F	F
D	MSW	12	1-1/2"	F	F
F	RF ASME Flange	16	2"	F	F

Authorised Distributor:

NATIONWIDE OIL & GAS

46, Jalan SS 22/21, Damansara Jaya,
47400 Petaling Jaya,
Selangor Darul Ehsan, Malaysia.
Email: nog@nog.com.my
Website: www.nog.com.my