Integral Bonnet Valves

140 Series for Reflex or Transparent Flat Glass Gages



No. 143



No. 144



No. 146



No. 147

Jerguson® No. 140 Series Valves provide long trouble-free service at economical cost. Their design incorporates such quality features as stainless steel stems and ballchecks. A comprehensive selection of connections provides the versatility required to conform to most piping requirements. Optional features permit a high degree of customization to meet very specific demands.

NO. 140 SERIES VALVES

The series consists of the following valves:

No. 143 – straight pattern with non-union gage connection
No. 144 – straight pattern with union gage connection
No. 146 – offset pattern with non-union gage connection
No. 147 – offset pattern with union gage connection

PRESSURE RATINGS

Carbon & Stainless Steel Valves
Series 140 Temperature / Pressure

Temperature		Pressure			
°F	°C	PSI	BarG	Kg/cm²	kPaG
100	38	2400	165.5	168.7	16547
200	93	2246	154.9	157.9	15487
300	149	2092	144.3	147.1	14426
400	204	1938	133.6	136.3	13365
500	260	1785	123.0	125.5	12304
600	316	1631	112.4	114.7	11243
700	371	1477	101.8	103.8	10183
800	427	1323	91.2	93.0	9122

Not recommended for steam service

STANDARD FEATURES

Safety Shut-Off: All No. 140 Series Valves are equipped with stainless steel ballchecks upstream from the seats which instantaneously shut-off flow of fluid in case of gage failure. The ball may be omitted on request.

Integral Bonnet: The bonnet on all No. 140 Series Valves screws directly onto the outside of the forged body. The inner area bears on the packing gland.

Union Tank Connection: Series 140 Valves are equipped with union tank connections which permit simple installation and easy access to the ballcheck. A spring clip secures the ballcheck in place so that it does not fall out when the union tank connection is removed.

Union Gage Connection: Nos. 144 and 147 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 removal of the gage without removing the valves or draining the liquid from the vessel – a feature which saves time when the gages must be cleaned or maintained.

Offset Pattern: Nos. 146 and 147 valve bodies are designed so that 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.

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:

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