



Grinnell

Worldwide
Contacts

www.grinnell.com

G-PRESS Stainless Steel Figure 469 Ball Valve 1/2-Inch through 2-Inch

General Description

The Grinnell G-PRESS Figure 469 Ball Valve is a PTFE/RTFE seated full port ball made of stainless steel and the cast equivalent to 316 Stainless Steel, CF8M. The full port, commonly called full bore, ball valve creates an unrestricted flow reducing head loss through the valve. The flow can enter the valve from either direction which allows the valve to be oriented in different positions in tight spaces. The valve is a 1/4 turn open/close with a latch lock in both the full open and closed positions. The in-line direction of the handle when the valve is open lets you see whether the valve is opened or closed. The lock latch has a lock-out feature to pad lock the valve in the open or closed position.

The body is a three piece design that allows the center parts of the valve, including the ball, stem and seats, to be easily removed while in the pipe line when the system is depressurized and drained. This can facilitate cleaning and repair of the valve without interrupting the joining components.

The stainless steel construction and selection of EPDM, Fluoroelastomer and Nitrile O-rings provides for use in many applications over the temperature range from -22°F (-25°C) to 300°F (149°C) depending on the O-ring material. The rugged body construction can be used to 300 psi (20,7 bar).

The valve is furnished with press-ready ends for use with GRINNELL G-PRESS Stainless Steel Fittings.

G-PRESS Stainless Steel Fittings and the Figure 469 Ball Valve are designed to work with Schedule 5 and 10 Stainless Steel IPS pipe.

Installation of the G-PRESS Stainless Steel Fittings and Ball Valve involves a three-step process: cutting and deburring the pipe; marking and inserting the pipe into the fitting; and pressing the fitting and pipe to form the pipe joint using an approved, commercially available pressing tool.

This data sheet describes only the G-PRESS Figure 469 Ball Valve. For detailed information on the G-PRESS Press Fittings and installation, refer to technical data sheet G550.

NOTICE

The GRINNELL G-PRESS Figure 469 Ball Valve described herein must be installed and maintained in compliance with this document, in addition to the standards of any authorities having jurisdiction. Failure to do so may result in serious personal injury, impair the performance of these devices, or void the warranty.

Never remove any piping component nor correct or modify any piping deficiencies without first de-pressurizing and draining the system. Failure to do so may result in serious personal injury, property damage, and/or impaired device performance.

The designer is responsible for selecting products suitable for the intended service and to ensure that pressure ratings and performance data are not exceeded. Verify O-ring material for compatibility with the specific application. Always read and understand the installation instructions.

The owner is responsible for maintaining their mechanical system and devices in proper operating condition. Contact the installing contractor or device manufacturer with any questions.

Technical Data

Approvals

WaterMark Approval for valves installed with EPDM O-Ring Seals

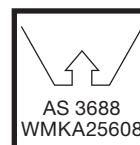
Sizes

1/2, 3/4, 1, 1-1/2, and 2 Inch

Maximum Working Pressure
300 psi (20,7 bar)

Materials of Construction

Refer to Figure 1



For warranty terms and conditions, visit www.grinnell.com

O-Ring Seals

- EPDM:
Black color, Grade "E"
-4°F to 230°F (-20°C to 110°C)
For hot water, dilute acids, alkalis, oil-free air, and many chemical services. Excellent oxidation resistance. NOT FOR USE WITH HYDROCARBONS.
- Nitrile:
Gray color, Grade "T"
-13°F to 230°F (-25°C to 110°C)
Petroleum products, vegetable oils, mineral oils, and air with oils. NOT FOR USE WITH HOT WATER OR HOT DRY AIR.
- Fluoroelastomer:
Green color, Grade "O"
-22°F to 300°F (-30°C to 149°C)
For oxidizing acids, petroleum products, hydraulic fluids, lubricants, and halogenated hydrocarbons.

Refer to Technical Data Sheet G610 for more details regarding O-Ring Seal compound applications.

Nominal Pipe Size		Nominal Dimensions					Approx. Weight Lbs. kg	Part Number *
Inches DN	Pipe OD Inches mm	A Inches mm	B Inches mm	C Inches mm	D Inches mm	E Inches mm		
1/2 15	0.840 21.3	3.16 80,3	3.94 100,1	2.44 62,0	4.84 123,0	0.59 15,0	1.24 0,6	469050
3/4 20	1.050 26.7	3.59 91,2	4.92 125,0	2.44 62,0	5.49 139,4	0.79 20,0	1.73 0,8	469075
1 25	1.315 33.4	3.99 101,3	5.87 149,1	3.03 77,0	6.03 153,2	0.98 24,9	2.46 1,1	469100
1-1/2 40	1.660 42.2	5.05 128,3	7.48 190,0	3.94 100,1	7.45 189,2	1.50 38,1	5.93 2,7	469150
2 50	2.375 60.3	5.84 148,3	7.48 190,0	4.25 108,0	9.38 238,3	2.01 51,0	8.48 3,8	469200

* Refer to Technical Data section for O-Ring Seal material compatibility; add appropriate suffix to Valve Part Number to identify choice of O-Ring Seal material: "E" = EPDM, "T" = Nitrile, "O" = Fluoroelastomer.

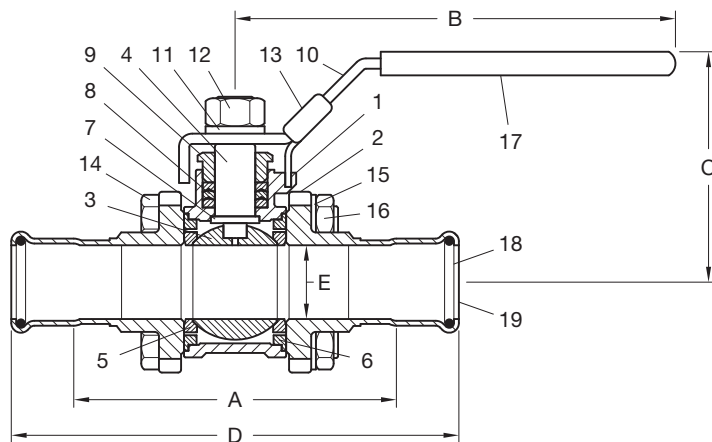


FIGURE 1
G-PRESS FIGURE 469 BALL VALVE
NOMINAL DIMENSIONS

Item	Part	Material
1	Body	ASTM A351-C8M
2	Cap	
3	Ball	
4	Stem	ASTM A276-316
5	Ball Seat	PTFE/RTFE
6	Body Seal	
7	Thrust Washer	
8	Packing	AISI 304
9	Gland Nut	
10	Handle	
11	Spring Washer	
12	Nut	
13	Latch Lock	PVC
14	Bolt	
15	Spring Washer	
16	Nut	EPDM, Nitrile, or Fluoroelastomer*
17	Handle Sleeve	
18	O-Ring	
19	G-Press Ends	316L

Ordering Procedure

GRINNELL Products are available globally through a network of distribution centers. Visit www.grinnell.com for the nearest distributor.

When placing an order, indicate the full product name, size, O-Ring Seal type, and quantity.

To Part Number, add the appropriate suffix to identify O-Ring Seal: "E" for EPDM, "T" for Nitrile, and "O" for Fluoroelastomer; for example, 469050E.