

The G-Series valve is a general service, uni-directional ASME 600 Class full-bore valve for drain and vent applications with clean, low-pressure steam, gas or liquid. The floating ball design with metal/graphite laminated seats lower torque and actuator requirements.

### Features

#### Ball and seat

- Alternating layers of stainless and laminated composite graphite seat with electro-plated stainless ball provide tight shut-off
- Rotating ball does not displace volume or solids
- Full bore protects sealing surfaces and meets TDP-1 2013 with no restrictions to flow

#### Blowout-proof stem

- One-piece design meets industry safety standards

#### Low torque

- Self-lubricating composite seat leads to smaller actuator packages with lower initial investment and operating costs

#### Operator

- Standard with hand lever and actuator mounting bracket with lock-out
- Easily adapts to manual or automated actuation

### Applications

Extraction steam drains  
 Low pressure HRSG tube drains  
 Isolation valve for bypass lines cold reheat drains  
 Drip leg drains

### Specifications

Size: 1 to 3 inch (25 to 80 dn)  
 Temperature\*: 900° F (482° C)

### End Connections

Standard configurations include:  
 Socketweld (1 to 2 inch) and  
 Buttweld (3 inch Schedule 80)

\* A105 limited to 800° F (426° C)

### Bill of Materials

Item No.	Description	Material
1	Ball	A182-F316SS / Electroless Nickel Plated
2	Seat	316SS / Graphite
3	Seat Retainer	A276 316SS
4	Seat Gasket	316SS / Graphite
5	Body*	A105
6	Stem	A638 Gr 660 (A286)
7	Gland Flange Thruster	316SS
8	Gland Flange	316SS
9	Stem Packing	Expanded Graphite
10	Anti-extrusion Rings	Braided Graphite with Inconel Wires
11	Bearing Stem Seal	316SS
12	End Connect*	A105
13	Body Gasket	Graphite
14	Mounting Flange Adapter	Carbon Steel

SS = Stainless Steel

\* Also available in 316SS and F22

