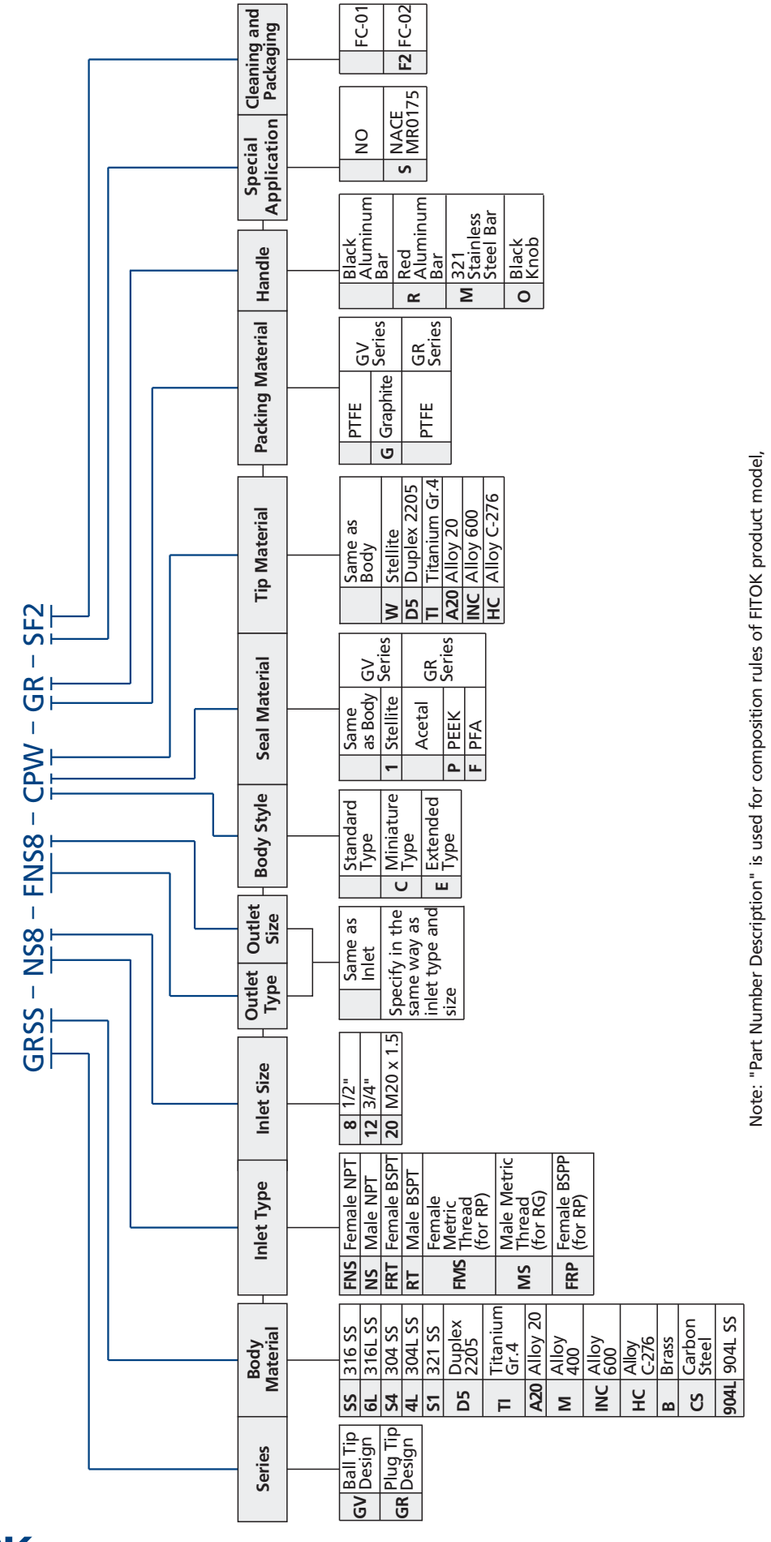
Part Number Description



Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK company or authorized agents.

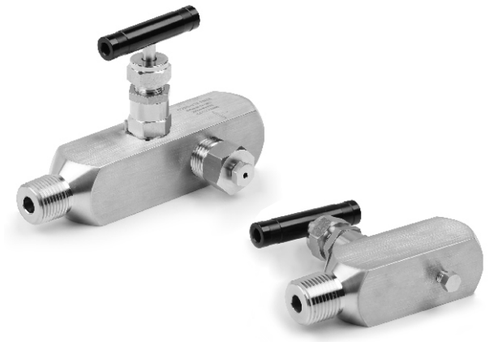
Cleaning and Packaging:
FC-01: Standard cleaning and packaging for general industrial procedures.
FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleanliness requirement as stated in ASTM G93 Level C.

Gauge Valves

GV Series and GR Series

Features

- Maximum working pressure:
  Stainless steel: up to 6000 psig (414 bar)
  Alloy 400: up to 5000 psig (345 bar)
- GV series working temperature:
  PTFE packing: -65°F to 450°F (-54°C to 232°C)
  Graphite packing: -65°F to 1200°F (-54°C to 649°C)
- GR series working temperature:
  Acetal seat: -20°F to 250°F (-28°C to 121°C)
  PEEK seat: -20°F to 400°F (-28°C to 204°C)
  PFA seat: -20°F to 400°F (-28°C to 204°C)
- Non-rotating lower stem, ball tip and plug tip designs
- Variety of materials for seat and packing
- Safety back seating seals in fully open position
- Rolled spindle operating threads
- Lubricant for stem thread isolated from the media
- Externally adjustable gland
- Bonnet locking pin fitted as standard
- Low torque operating T bar handle
- Option for different colored handles
- Steady and durable fastening of the handle by double lock-pins
- Leak-tight performance testing for every valve with nitrogen at the maximum working pressure

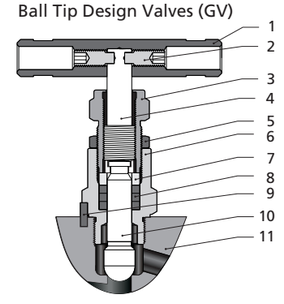


Standard Materials of Construction

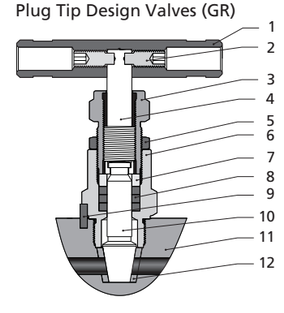
Item	Part	Valve Body Material		
		316 SS	Alloy 400	NACE MR0175
1	Handle	Anodized aluminum		
2	Set Screw	Stainless steel		
3	Packing Bolt	304 SS		
4	Upper Stem	316 SS/A276		
5	Lock Nut	17-4PH		
6	Bonnet	316 SS/A479	Alloy R-405/B164	Annealed 316 SS/A479
7	Gland	316 SS/A276		
8	Packing	PTFE or graphite		
9	Lock Pin	Stainless steel		
10	Lower Stem	Chrome-plated 316 SS/A276	Alloy R-405/B164	Alloy R-405/B164
11	Body	316 SS/A479 316 SS/A182	Alloy 400/B164, B127,B564	Annealed 316 SS/A479
12	Seat	Acetal or PEEK or PFA		
	Lubricant	Molybdenum disulfide-based		

Process interface valves for sour gas service are available. Materials are selected in accordance with NACE MR0175/ISO 15156. Contact the authorized representative or FITOK Group if any request.

Ball Tip Design Valves (GV)

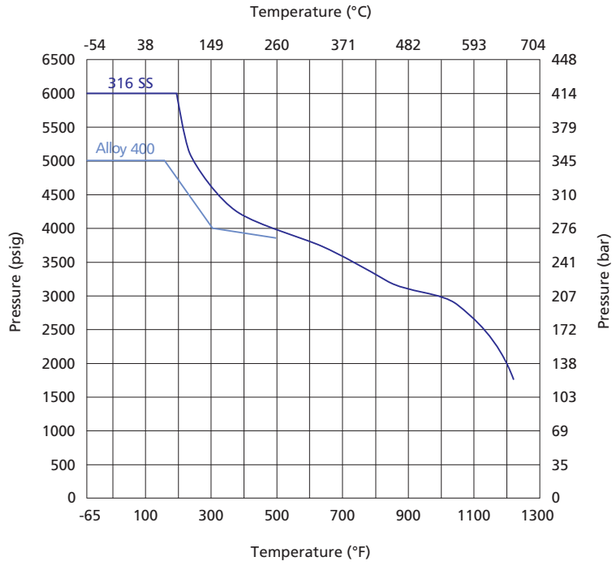


Plug Tip Design Valves (GR)



Ball Tip Design Valves

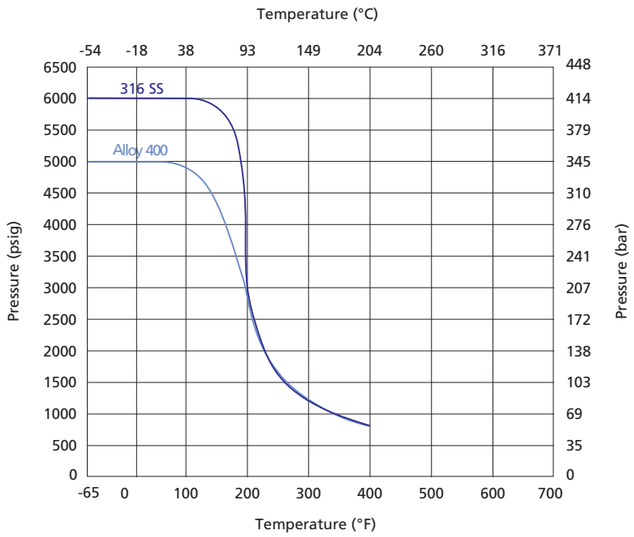
Pressure vs. Temperature



Based on graphite stem packing.

Plug Tip Design Valves

Pressure vs. Temperature

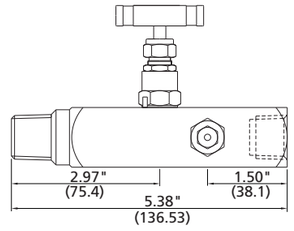


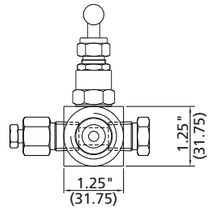
1. *Rating limited to 250°F (121°C) max. with acetal seat material, not recommended for temperature higher than 200°F (93°C) for water and steam application.*
2. *Based on PEEK seat and PTFE stem packing.*

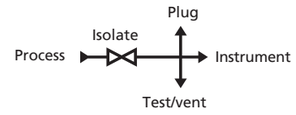
Types and Dimensions

Standard Type

Basic Ordering Number	Design	Inlet/Process	Outlet/Instrument	Test/Vent/Plug
GV□□-NS8-FNS8	Ball Tip	1/2 Male NPT	1/2 Female NPT	1/2 Female NPT
GR□□-NS8-FNS8	Plug Tip			
GV□□-NS12-FNS12	Ball Tip	3/4 Male NPT	3/4 Female NPT	1/2 Female NPT
GR□□-NS12-FNS12	Plug Tip			

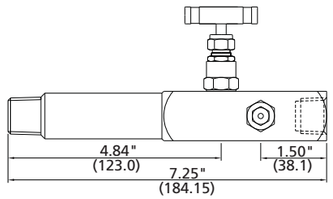


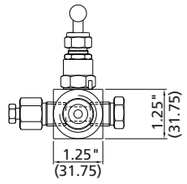


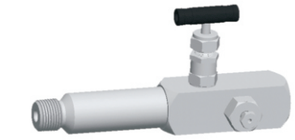


Lagging Extension Body Type

Basic Ordering Number	Inlet/Process	Outlet/Instrument	Test/Vent/Plug
GV□□-NS8-FNS8-E	1/2 Male NPT	1/2 Female NPT	1/2 Female NPT
GR□□-NS8-FNS8-E			







Lagging extension body is inserted through pipe for insulation.

Miniature Type

Basic Ordering Number	Inlet/Process	Outlet/Instrument
GV□□-NS8-FNS8-C	1/2 Male NPT	1/2 Female NPT
GR□□-NS8-FNS8-C