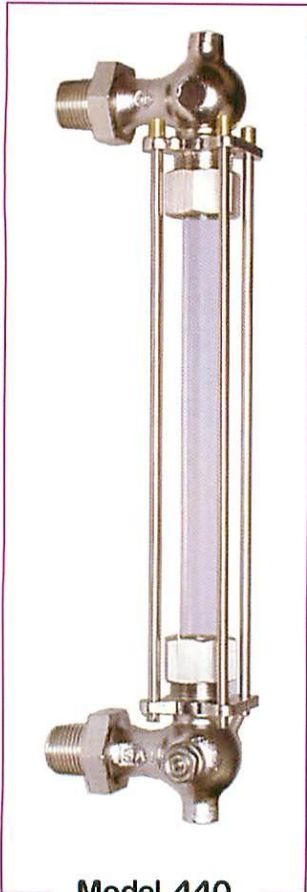
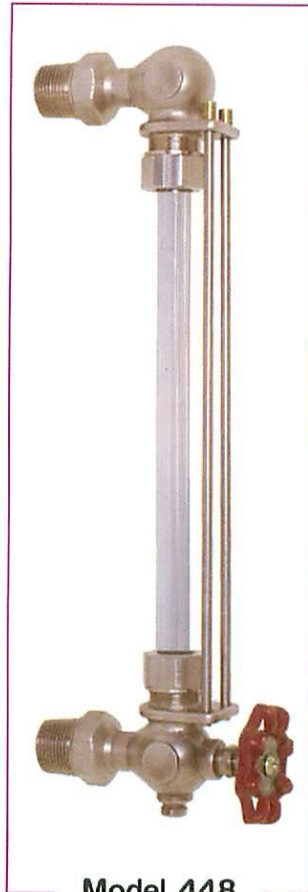


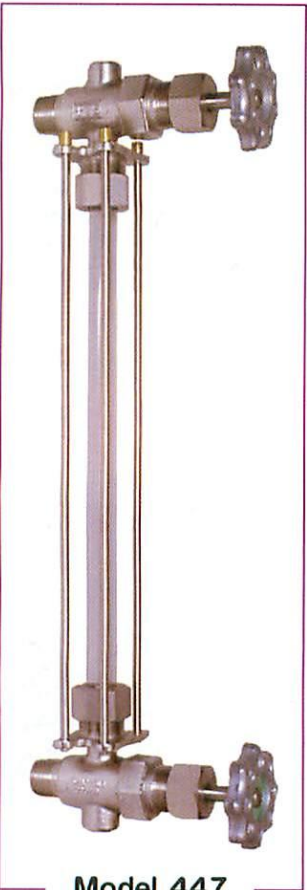
# Tubular Gauge Valves – Stainless Steel



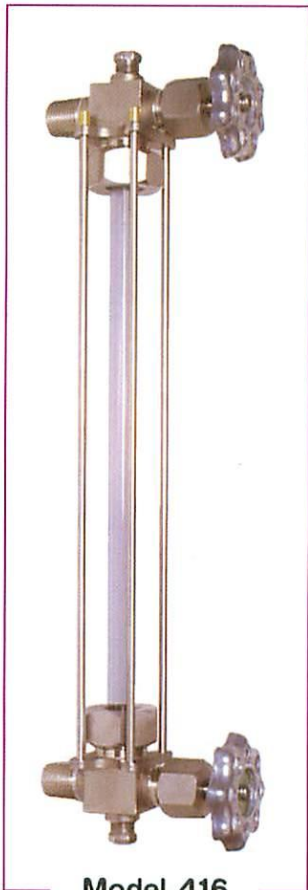
Model 440



Model 448



Model 447



Model 416

## Features

- ◆ Vessel Connection Sizes:  
1/4" NPT up to 1" Flanged
- ◆ Auto Ball Checks
- ◆ For Glass Tube or Shielded Gauges

## Ratings

- ◆ Pressure Ratings are subject to the limitations of the gauge glass
- ◆ Temperature Ratings are subject to the limitations of the packing

## Materials

- ◆ Body: 316 Stainless Steel
- ◆ Glass Packing: Viton
- ◆ Stem Packing: Teflon

## A Special Note about Corrosion:

- Excessive corrosion may result in leakage, glass breakage, and premature valve failure.
- Be sure all wetted components of the gauge are constructed with materials compatible with the service medium. John C. Ernst Co. does not make chemical compatibility recommendations.
- See the "Compass Corrosion Guide" or equivalent for material compatibility.

Model 416 has a Viton O-Ring for the glass packing, ball check and retainer are 18-8SS. Drain valves are optional.

Model	Size NPT	Glass OD	Glass Length from Centers	Rod Length from Centers
416-04	1/2"	5/8"	- 2"	- 1/2"
416-05	3/4"	3/4"	- 2"	- 1/2"
440-02	1/4"	5/8"	- 2-1/4"	- 1-1/4"
440-03	3/8"	5/8"	- 2-1/4"	- 1-1/4"
440-04	1/2"	5/8"	- 2-1/4"	- 1-1/4"
440-05	3/4"	5/8"	- 2-1/4"	- 1-1/4"
447-04	1/2"	5/8"	- 2-3/4"	- 1-1/2"
447-05	3/4"	5/8"	- 2-3/4"	- 1-1/2"
448-04	1/2"	5/8"	- 2"	- 1-1/2"
448-05	3/4"	5/8"	- 2"	- 1-1/2"

Model	Maximum Liquid Pressure @ Temp PSIG / °F	Steam Service PSIG	Auto Ball Checks
416	500/100°F to 500/425°F	N/A	Yes
440	150/100°F to 150/300°F	N/A	No
447	300/100°F to 300/300°F	N/A	Optional
448	250/100°F to 250/400°F	N/A	No