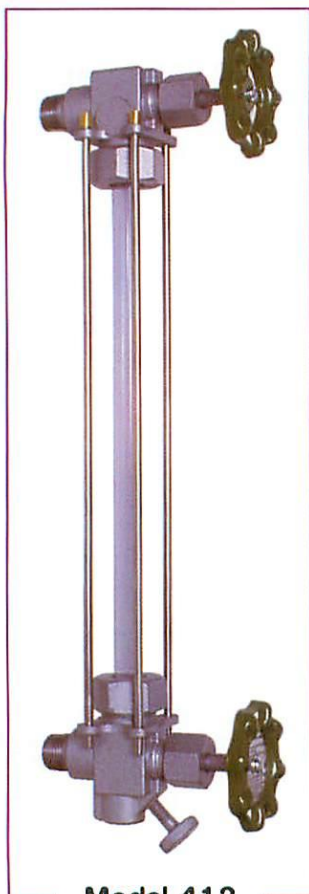
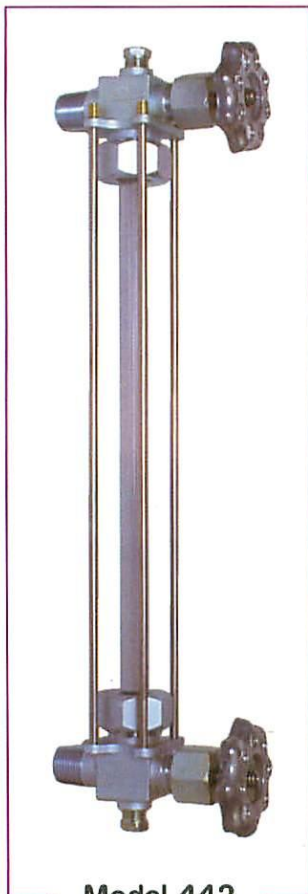


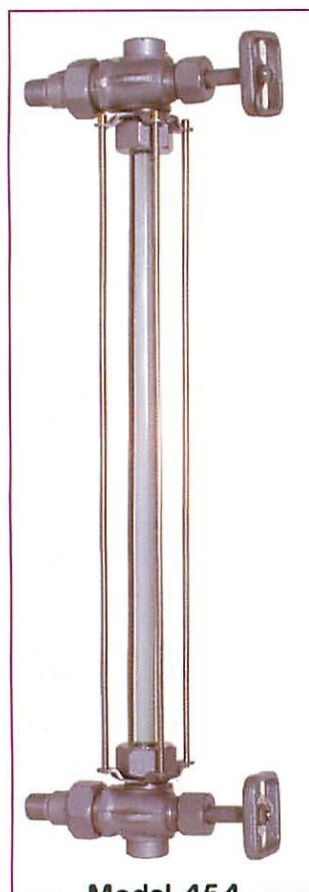
Tubular Gauge Valves – Carbon Steel



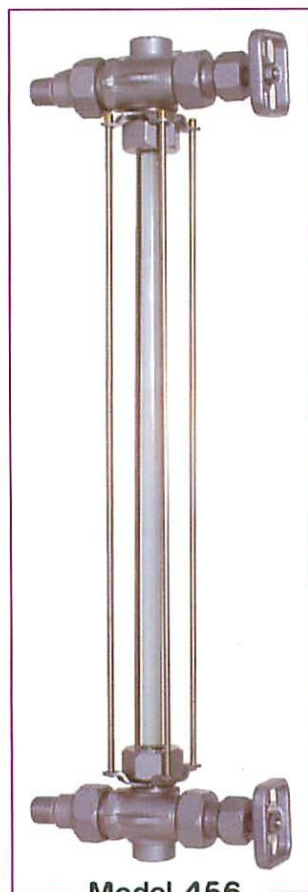
Model 412



Model 442



Model 454



Model 456

Features

- ◆ Sizes 1/2" NPT up to 2" 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: Carbon Steel
- ◆ Glass Packing on 454/456: Graphite
- ◆ Glass Packing on 442: Viton O-Ring
- ◆ Glass Packing on 412: Neoprene
- ◆ Stem Packing : Graphite Composite
- ◆ Stem Packing for 412: 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 454 has an integral bonnet and stem seat.

Model 456 has a union bonnet for stem seat replacement.

Model 442 can have a drain valve as an option.

Model	Size NPT	Glass OD	Glass Length from Centers	Rod Length from Centers
412-04	1/2"	5/8"	- 2"	- 1"
412-05	3/4"	3/4"	- 2"	- 1"
442-04	1/2"	5/8"	- 2"	-1/2"
442-05	3/4"	3/4"	- 2"	-1/2"
454-04	1/2"	5/8"	- 1-3/4"	- 2-1/4"
454-05	3/4"	3/4"	- 1-3/4"	- 2-1/4"
454-06	1"	3/4"	- 1-3/4"	- 2-1/4"
456-04	1/2"	5/8"	- 1-3/4"	- 2-1/4"
456-05	3/4"	3/4"	- 1-3/4"	- 2-1/4"
456-06	1"	3/4"	- 1-3/4"	- 2-1/4"

Model	Maximum Liquid Pressure @ Temp PSIG / °F	Steam Service PSIG	Auto Ball Checks
412	500/100°F to 500/425°F	500	Yes
442	500/100°F to 500/425°F	N/A	Yes
454	600/100°F to 345/400°F	345	Yes
456	600/100°F to 345/400°F	345	Yes