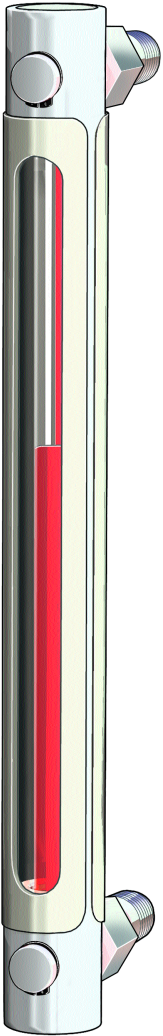


ARMORED TUBULAR LIQUID LEVEL GAGES

Lightweight Alternative to Reflex Gage Columns



Features:

- Stainless steel construction
- Connector fittings swivel 360°
- Borosilicate Glass Tube
- Lengths up to 48"
- Connector fittings "float" in body for fine adjustment to C-C
- Direct mount 1/2" M-NPT to vessel or
- Combine with Inferno Model 12T safety ball check isolation valves

Options:

- Body armor slotted front and back (thru-vision) for enhanced visibility
- Lexan™ snap-on guard protects view slot & acts as dust shield. May not be suitable for long distance viewing or poor lighting because of possible glare
- Super Float design with $\pm .25$ " C-C adjustment available
- Red Line Glass— provides better contrast for clear liquids (Clear "High Pressure" glass is standard)
- See-Thru Lexan™ plastic body armor for viewing from any direction available for lengths up through 12"
- See-Thru Mylar™ rule for use with snap-on Lexan™ guard

Advantages:

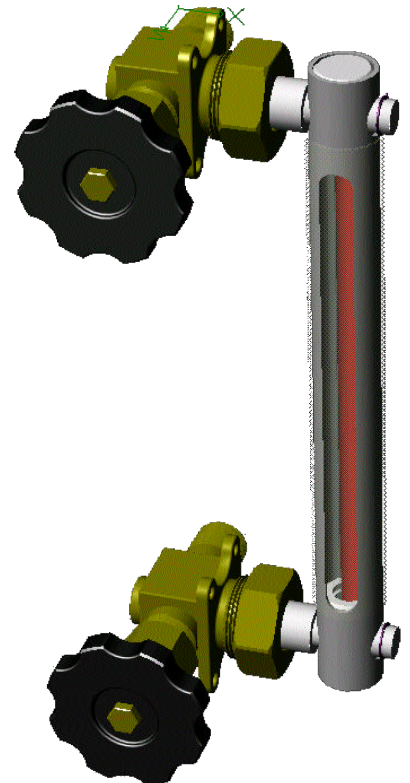
- Stainless body protects glass tube
- Longest view length possible because of lateral connections
- Floating swivel connectors provide $\pm .1$ " from nominal C-C

Easy to Install—

- no bare glass to handle or cut in field
- no unions required because of swivel connector design

Companion 12T Valves:

- Provide for shut-off with safety ball check
- 1/2" M-NPT to vessel x 5/8" stuffing box x 1/4" drain connection
- Stuffingbox compresses a standard O-ring for seal



PRESSURE RATINGS			
	Non Steam to 150°F	Steam Boiler to 400°F	300°F max.
over 12" C-C up to 12" C-C	SS Armor— standard		
	300 PSI	150 PSI	50 WSP
12" C-C max.	Lexan™ 360° Armor		
	400 PSI	Not Recommended over 150°F	

CONNECTIONS TO VESSEL

Direct Mount (No Gage Valves)

When direct mounting to the vessel the ATS gage comes with 1/2" M-NPT swivel connectors. Optional 1/4" pipe size is available. The swivel connectors are started in the receiving threads of the vessel couplings. The top and bottom fittings are alternately tightened. No unions are required.

Using 12T Automatic Ball Check Gage Valves

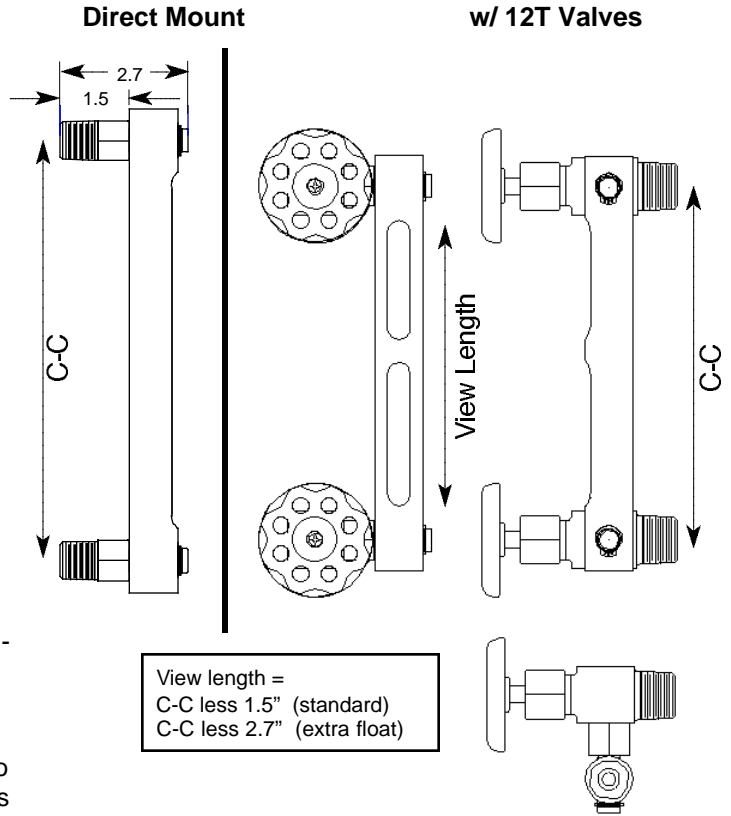
The ATS gage is supplied with a shouldered fitting that connects to the 5/8" diameter stuffingbox of the valve. 12T Vessel connections are 1/2" M-NPT or 3/4" M-NPT using a hex reducer bushing.

Gage valves have an automatic safety ball check that stops flow from the vessel in event of glass breakage, provided that the pressure in the piping is at least as much as 6" head of water.

Adjustment:

The connectors slide & pivot towards or away from each other by means of slots in the body armor. This allows a $\pm .1$ " total movement from nominal centers of gage. Fittings are loosely fitted to the body armor, permitting the swivel connector to easily "find" its way into the receiving thread or the valve stuffingbox.

For field retrofitting a careful measurement of the vessel center-to-center is required because the gage centers must match up within $\pm .1$ ". When the vessel centers cannot be measured accurately we recommend an **optional** end fitting and body that permits $\pm .25$ " total **adjustment in C-C**.



SPECIFICATION GUIDE

Vessel C-C _____ Direct Mount : ATS Only Using 12T Valves

Operating _____ PSI _____ °F _____ fluid

Connections Required to Vessel:

1/2" M-NPT 1/4" M-NPT (available for direct mount only)

Seals: Viton™(std) EPDM Nitrile
Kalrez™

Valve Material
steel with S.S. trim all S.S.

OPTIONS:

- $\pm .25$ " Float on C-C *standard adjustment is $\pm .10$ "*
- Lexan™ snap-on guard
- 360° viewing Lexan Body Armor (up to 12")
- See-Thru Mylar™ Rule: English Metric
- Body armor slotted on both sides (Thru Vision) for better viewing
- Red Line Glass instead of standard clear "High Pressure"