



Volume 1

An review of Hex Gauge Pressure applications for Process Line Mounted Instruments

On the following pages you will find instrument detail drawings of traditionally piped, Process Line Mounted Gauge Pressure instruments.

The slide following each traditional drawing demonstrates the simplicity that Hex Valve can bring to the same application.

The benefits will become obvious as you go through these pages; less risk and less cost because of fewer connections and a lower Total Installed Cost.

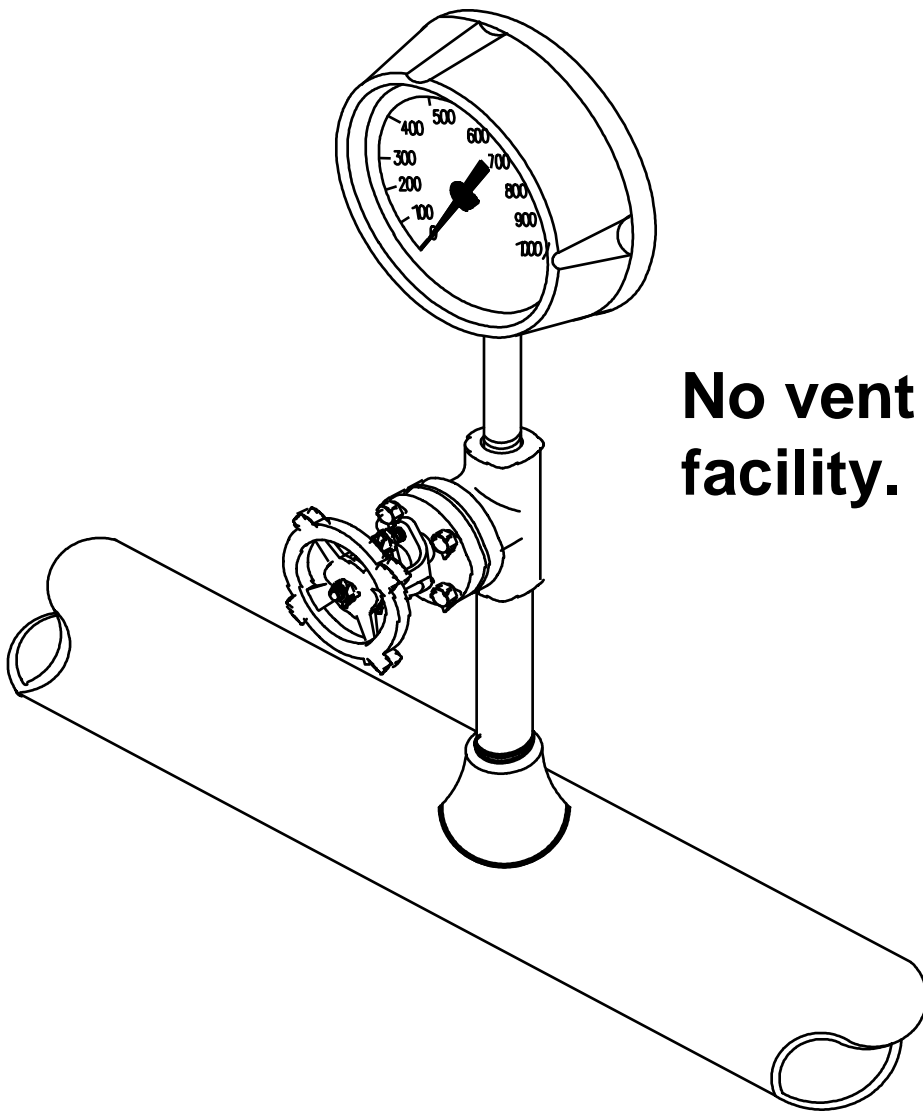
Good Selling,

Karl Lutkewitte



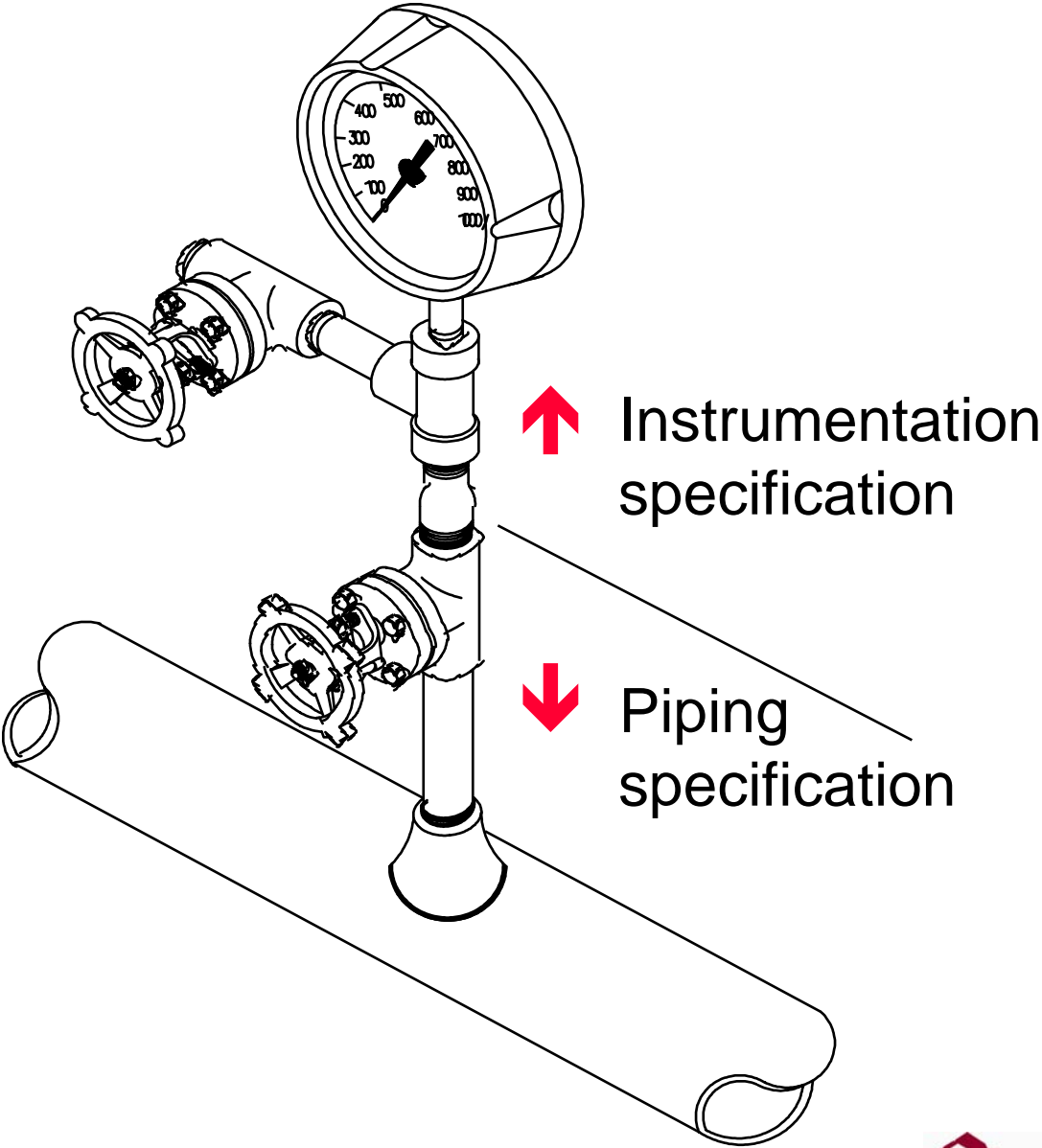
Process Line Mounted Instruments

Conventional process line gauge installation.



No vent or calibration facility.

Conventional process line gauge mounted installation with vent/test facility.



The Hex Solution

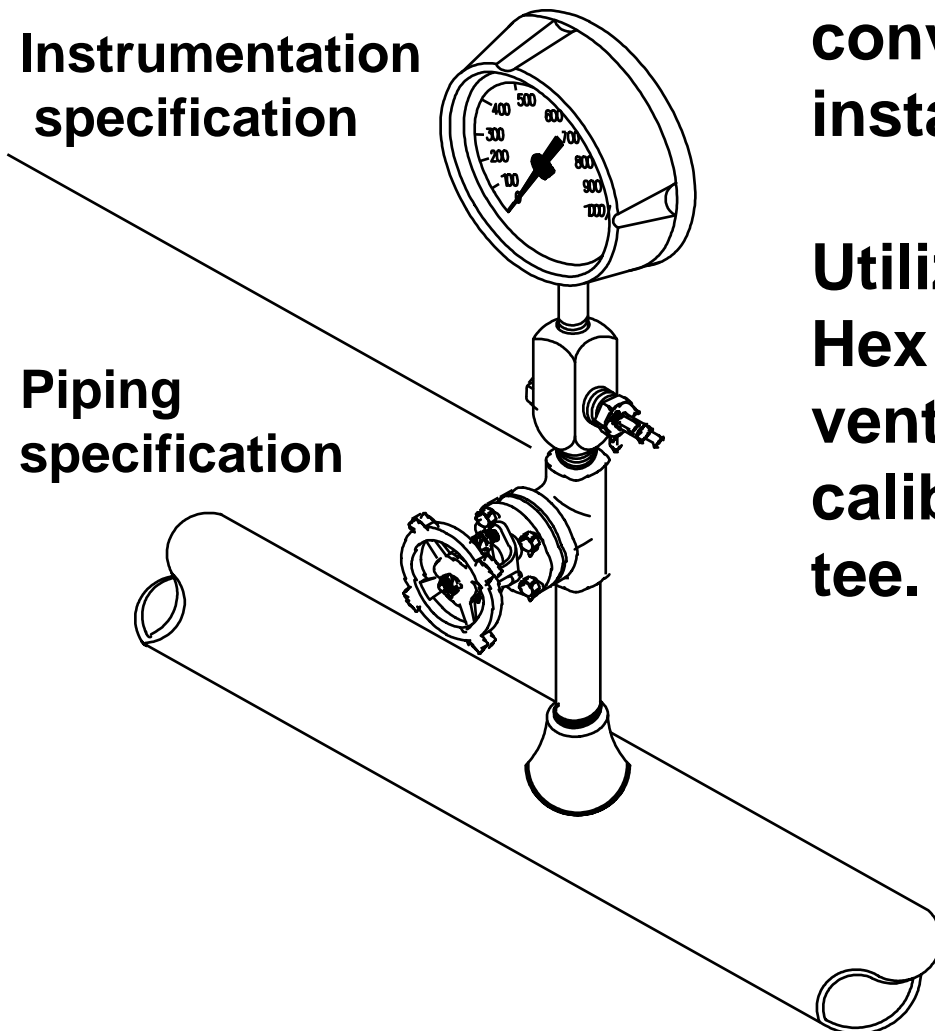
Simplified process line mounted gauge installation with vent/test and calibration facility.

For field up-grades of conventional installations.

Utilizes a Hex HB52 vent/test calibration tee.

↑ Instrumentation specification

↓ Piping specification

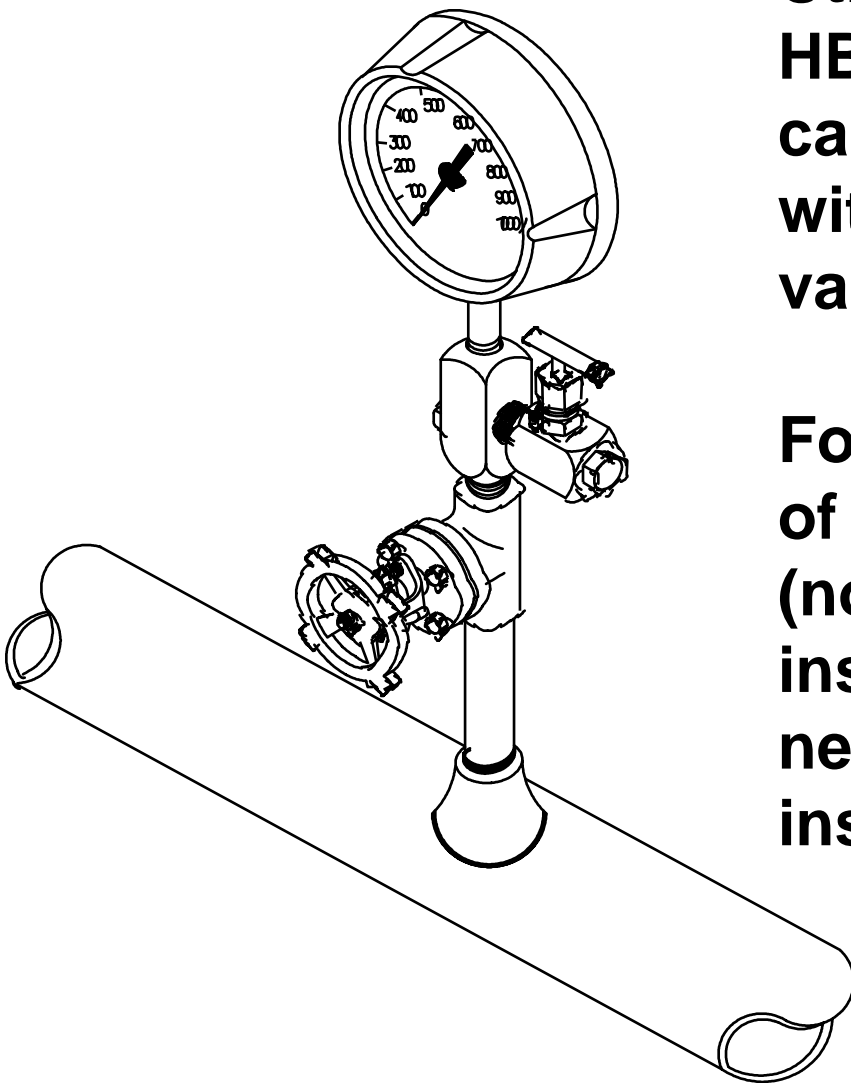


Hex Solution #2

Simplified process line mounted gauge installation with vent/test and calibration facility. Ideal for hydrocarbon/ VOC application.

Utilizes a Hex HB52 vent/calibration tee with HN49 needle valve.

For field upgrades of conventional (non-vent) installations, or new project installations.

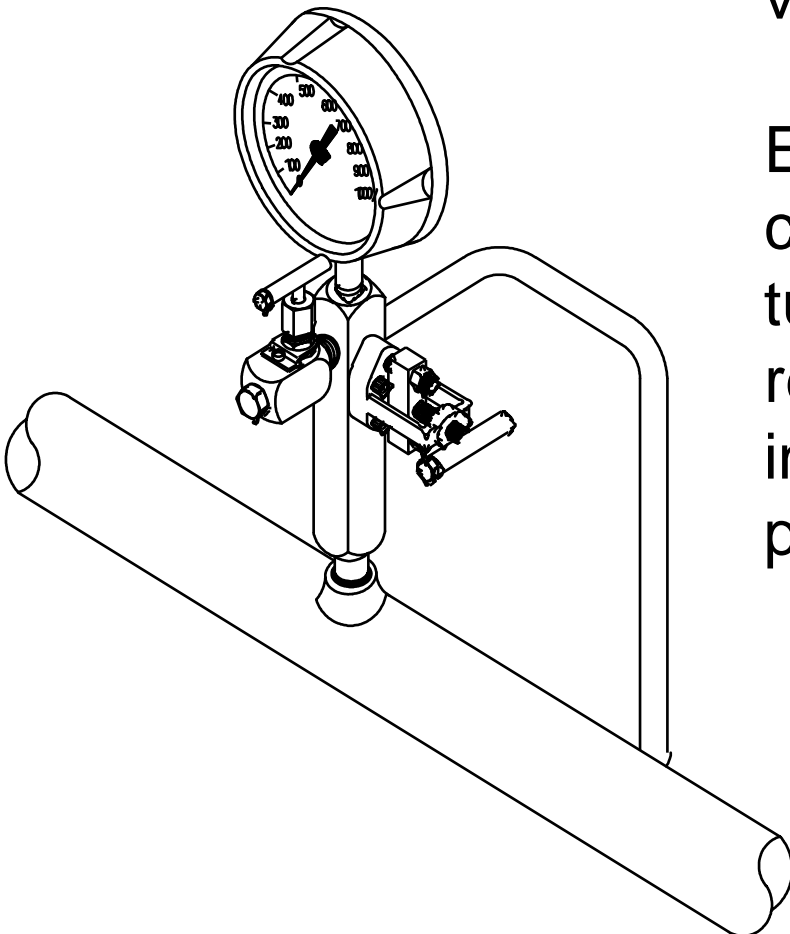


Hex Solution #3

Simplified process line mounted gauge installation with vent and calibration facility.

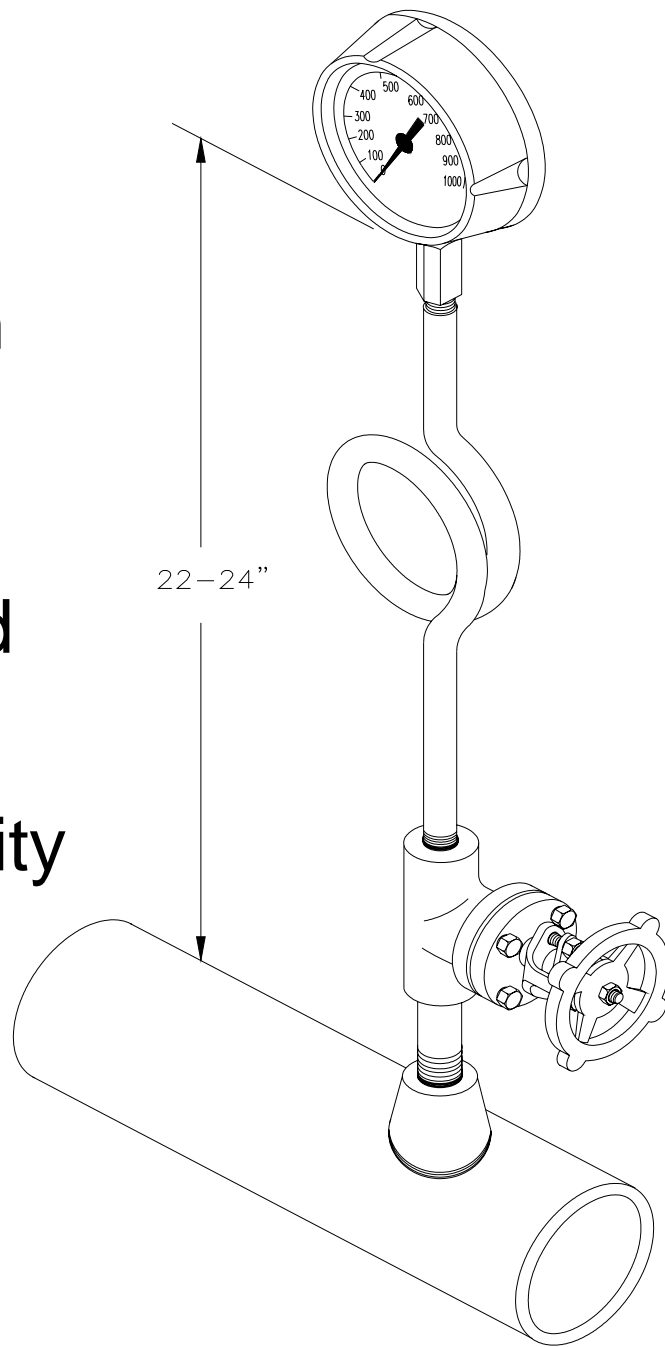
Hex HG46
Universal Gauge
Valve with HN49
Needle Valve for
vent/test.

Extra side outlet for
calibration facility or
tube fitting for
remote mounted
instrument in new
project installations.



Gauge Installation using Conventional Condensate Siphon.

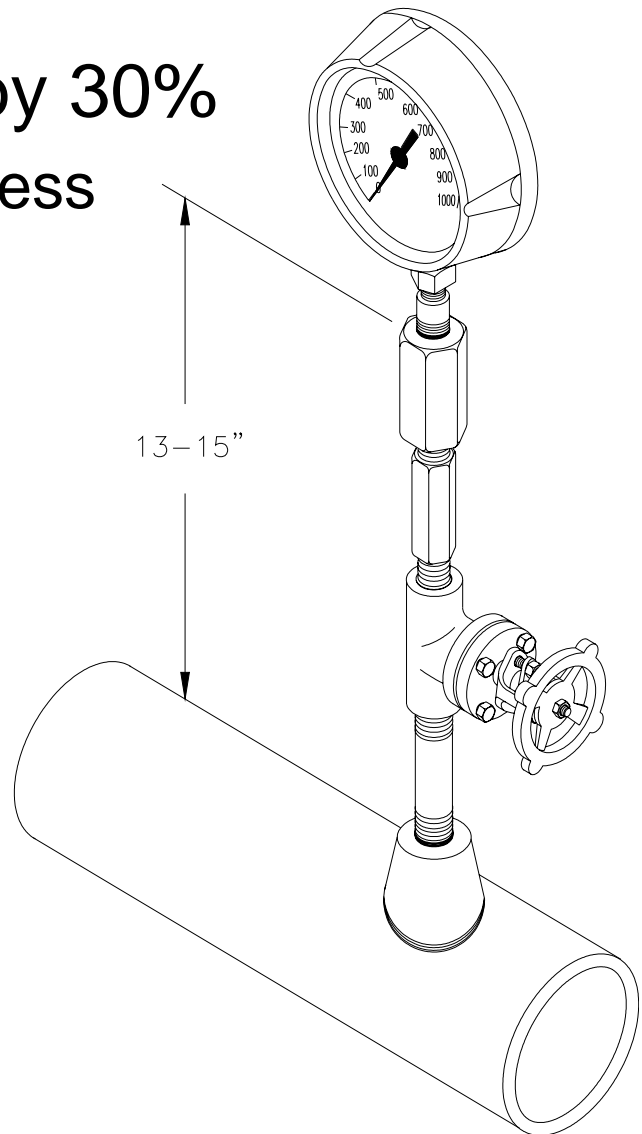
- Large installation radius, heavy
 - Deflection stress
- Multiple threaded connections
- No vent/test facility



The Hex Solution

Model HVGS, Hex Valve Gauge Siphon

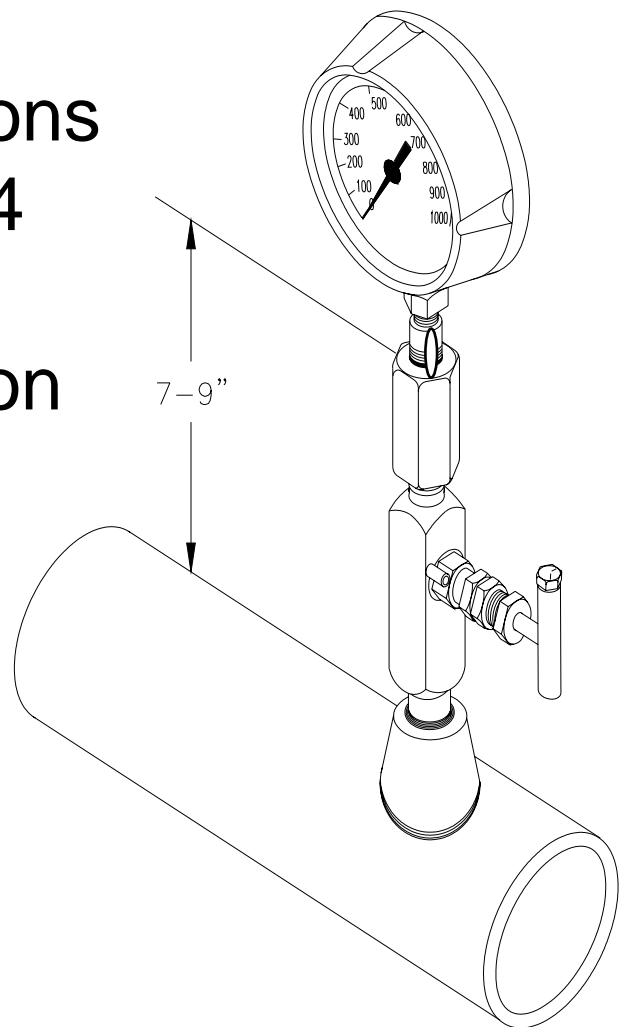
- Installation radius reduced by 50%
- Weight reduced by 30%
 - Less deflection stress



Hex Solution #2

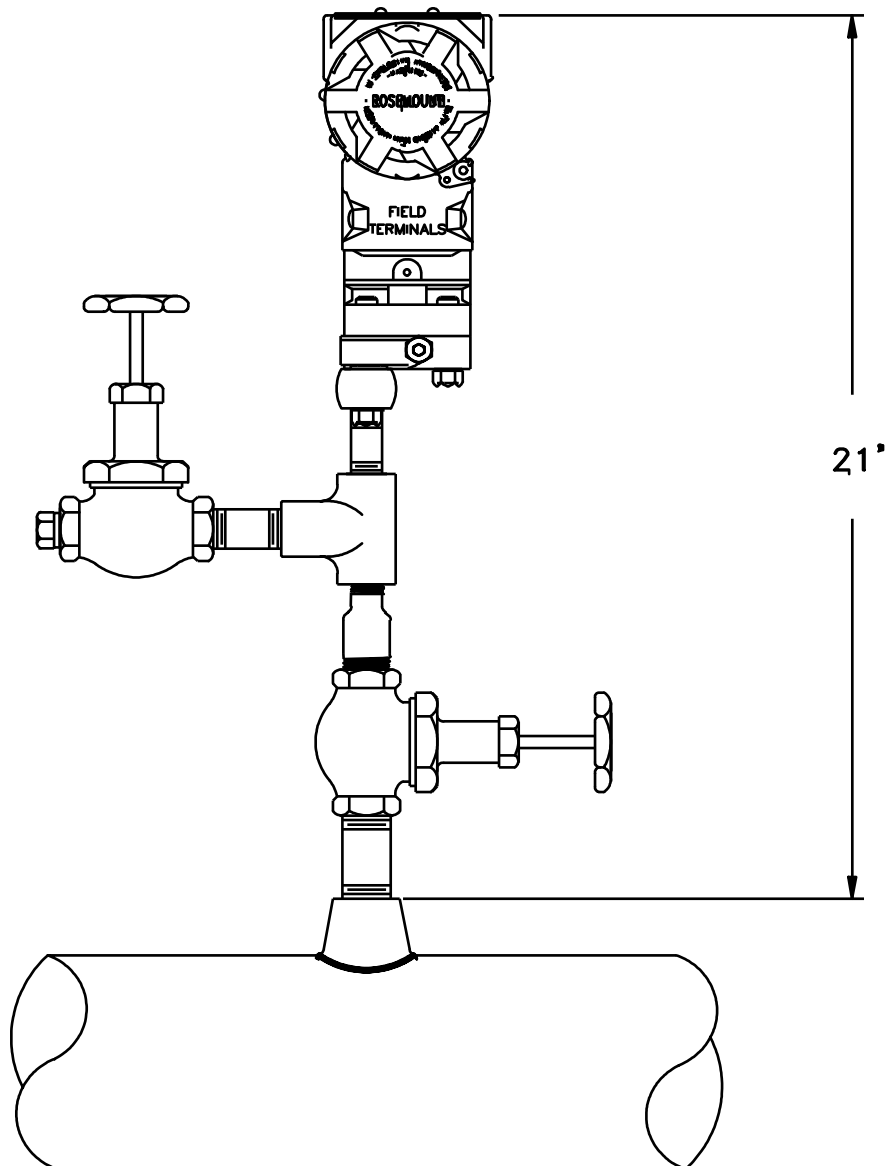
Model HGVS, Hex Gauge Valve Siphon

- Installation radius reduced to 30% of conventional siphon
- Threaded connections reduced from 5 to 4
- Vent/Test connection on side of outlet coupling



Conventional Process Line Mounted Transmitter

- **Multiple components**
 - 9 threaded connections
- **High installation cost**

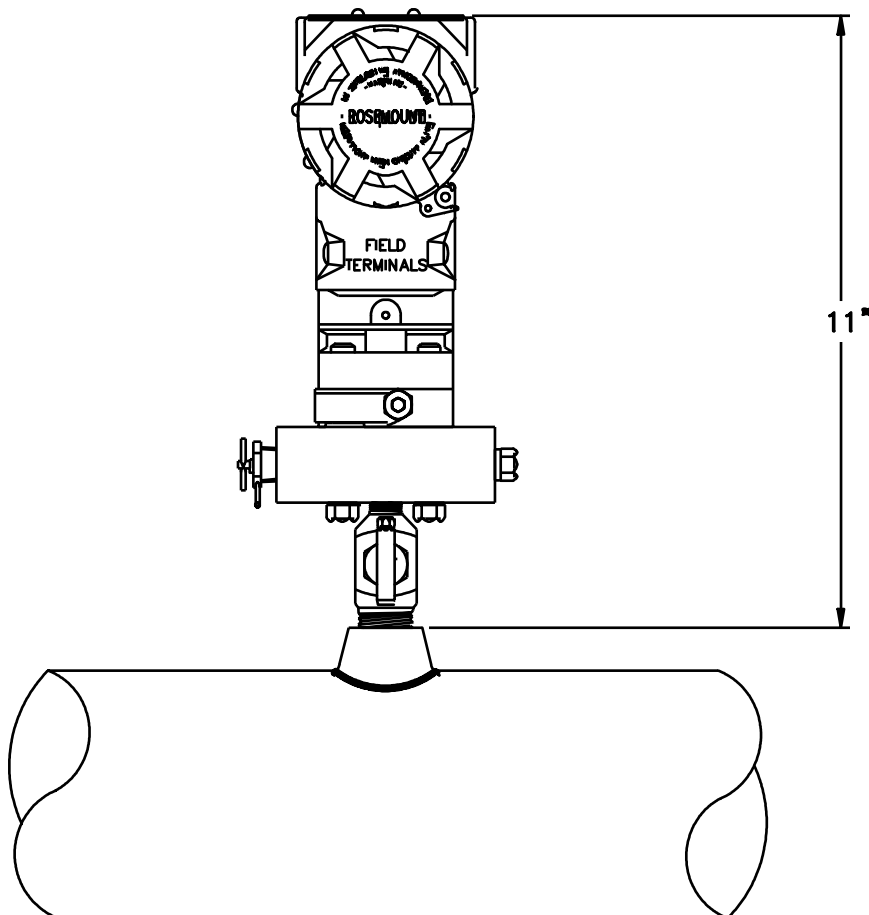


- Large installation radius
- Max. space and weight
- Deflection stress

The Hex Solution

Simple 2 piece installation

Hex model HM20-1 Gauge Pressure Platform, and HN49 Globe/Needle Valve.



- Less space, weight, radius, and cost
- Maximum 4 threaded connections