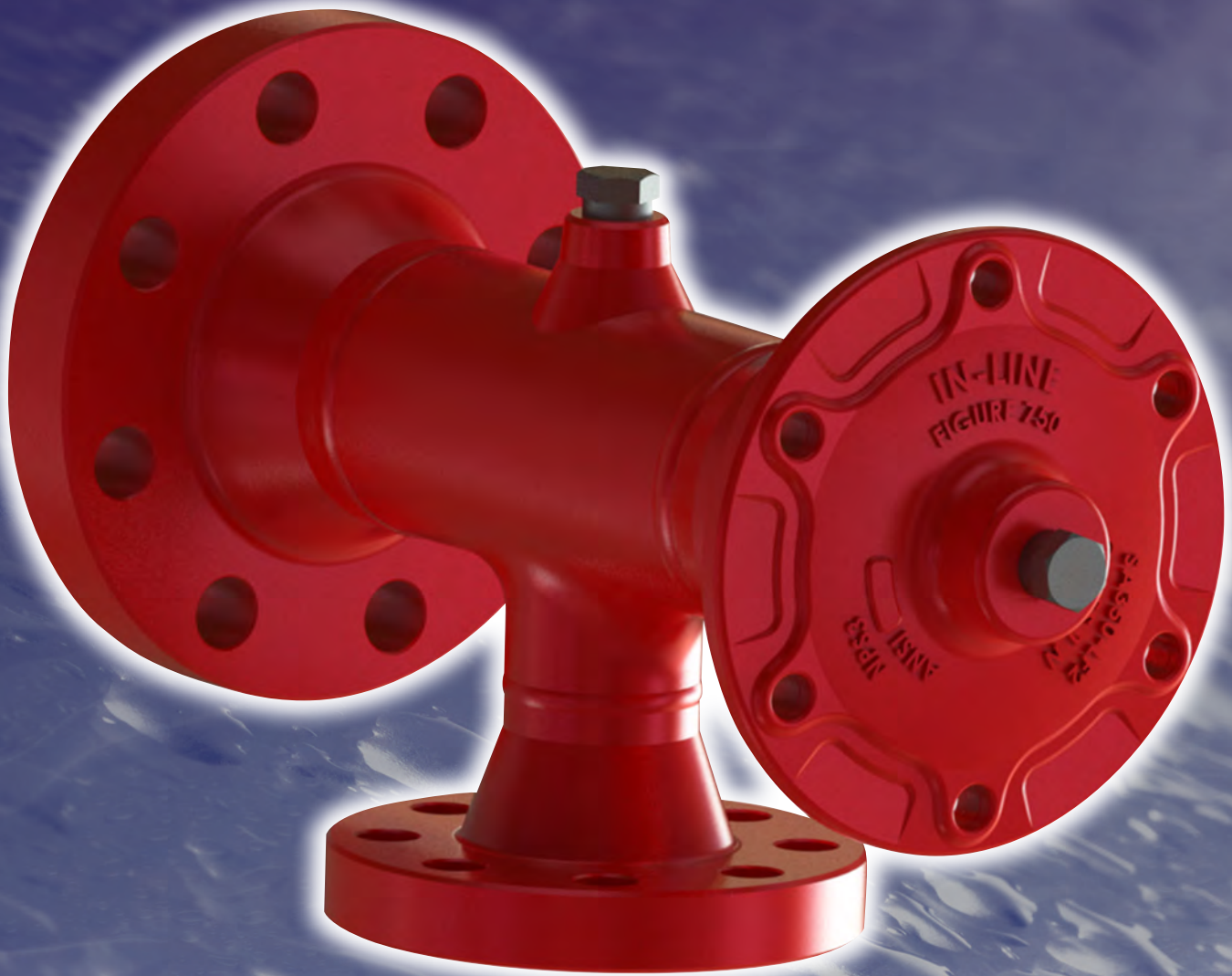


In-Line Pig Entry Tee



In-Line

FLOW PRODUCTS

9426 - 39th Avenue, Edmonton, Alberta Canada T6E 5T9
Phone: (780) 490-5337 Toll Free 1-866-416-9003

In-Line Pig Entry Tee



DESIGN

- The Pig Entry Tee is designed to be a reliable solution for pipeline pig launching and receiving.
- Available in a variety of sizes and configurations to suit operational needs and design requirements.

FEATURES

Safety

Pressure Warning Grooves

- NPS2 to NPS4 come equipped with Pressure Warning Grooves in the threads as standard.
- These grooves create a path of least resistance for residual pressure, alerting the operator of a pressure condition.
- Pressure Warning Grooves are available as an option on large sizes.

Pressure Alert Fitting

- All Closures NPS6 and larger feature a Pressure Alert Fitting to warn the operator of internal pressure prior to opening.
- Meets ASME Section VIII Division 1 UG-35.
- The location of the Pressure Alert Fitting is easily accessible.

In-Line Lugless Closure

- The In-Line Lugless Closure design offers a solution to hammerless operation.
- Increases Closure operation safety.
- Increases the Closure's life span.

Operation

Barred Tees

- All Weld Tees are barred to prevent pipeline pigs from entering the branch.
- Barred Tees are MPI examined and stress relieved per CSA Z245.11.

Push Bar

- Pig Entry Tees are equipped with a detachable push bar which allows operators to effectively load pigs correctly.

Customization

- Reducers, Run Extensions and additional fittings are all available.

Seals

Elastomer Seals

- The seals sizes are industry standard and are not required to be special ordered.
- Sizes and elastomers can be sourced locally, reducing downtime.
- The standard elastomer material: Highly Saturated Nitrile (other elastomers available upon request).



SPECIFICATIONS

Size Range

- NPS2 to NPS6 (Others sizes upon request)

Class Rating

- ANSI 150 to 900

Terminations

- Flanged per ASME B16.5
- Threaded per ASME B16.11
- Weld bevel per ASME B31.3, B31.4, B31.8 and CSA Z662.

Design Specifications

- Head and Hub fully meet the requirements of ASME Section VIII Division 1.
- The design is registered and maintained in accordance with the Alberta Safety Codes Act.
- Construction in accordance with CSA Z662 and ASME B31.3.

Hinge Orientation

- NPS2 to NPS4 primarily non-hinged.
- Horizontal, Vertical and Angled orientations are available.

Temperature Range

- ASME-50°F (-45°C) to +400°F (+204°C) - limits of elastomer seal

Design Codes

- ASME Section VIII Division 1
- ASME B31.3
- CSA Z662

Material

Closure

- ASME SA350 LF2 CLASS 1

Weld Tee

- ASTM A420-WPL6
- ASTM A234-WPB
- CSA Z245.11 GRADE 359 CAT II

Flanges

- ASTM A350-LF2 CL1
- ASTM A105N
- CSA Z245.11 GRADE 359 CAT II

Half Coupling (Optional)

- ASTM A350-LF2 CL1
- ASME SA350-LF2 CL1
- ASTM A105N

Reducers (Optional)

- ASME SA420-WPL6
- ASTM A234-WPB
- CSA Z245.11 GRADE 359 CAT II

In-Line Pig Entry Tee Dimensional Table Data

| Table 1. Pig Entry Tee Dimensional Table Data (Flange x Flange), inches | | | | | | | | | | | | |
|---|--------------------------------|---------------------------------|-----------------------------------|--------------------------------|---------------------------------|-----------------------------------|--------------------------------|---------------------------------|-----------------------------------|--------------------------------|---------------------------------|-----------------------------------|
| Nominal Tee Size | ANSI 150 | | | ANSI 300 | | | ANSI 600 | | | ANSI 900 | | |
| | Run Center to Flange (DIM 'A') | Run Center to Closure (DIM 'B') | Branch Center to Flange (DIM 'C') | Run Center to Flange (DIM 'A') | Run Center to Closure (DIM 'B') | Branch Center to Flange (DIM 'C') | Run Center to Flange (DIM 'A') | Run Center to Closure (DIM 'B') | Branch Center to Flange (DIM 'C') | Run Center to Flange (DIM 'A') | Run Center to Closure (DIM 'B') | Branch Center to Flange (DIM 'C') |
| 2 X 1.5 | 5.13 | 5.00 | 4.94 | 5.38 | 5.00 | 5.19 | 5.75 | 5.00 | 5.50 | 6.88 | 5.00 | 6.00 |
| 2 X 2 | 5.13 | 5.00 | 5.13 | 5.38 | 5.00 | 5.38 | 5.75 | 5.00 | 5.75 | 6.88 | 5.00 | 6.88 |
| 3 X 2 | 6.25 | 7.00 | 5.63 | 6.63 | 7.00 | 5.88 | 7.00 | 7.00 | 6.25 | 7.75 | 7.00 | 7.38 |
| 3 X 3 | 6.25 | 7.00 | 6.25 | 6.63 | 7.00 | 6.63 | 7.00 | 7.00 | 7.00 | 7.75 | 7.00 | 7.75 |
| 4 X 2 | 7.25 | 7.75 | 6.13 | 7.63 | 7.75 | 6.38 | 8.50 | 7.75 | 6.75 | 9.00 | 7.75 | 7.88 |
| 4 X 3 | 7.25 | 7.75 | 6.75 | 7.63 | 7.75 | 7.13 | 8.50 | 7.75 | 7.50 | 9.00 | 7.75 | 8.25 |
| 4 X 4 | 7.25 | 7.75 | 7.25 | 7.63 | 7.75 | 7.63 | 8.50 | 7.75 | 8.50 | 9.00 | 7.75 | 9.00 |
| 6 X 2 | 9.25 | 10.75 | 7.38 | 9.63 | 10.75 | 7.63 | 10.63 | 10.75 | 8.00 | 11.50 | 10.75 | 9.13 |
| 6 X 3 | 9.25 | 10.75 | 7.75 | 9.63 | 10.75 | 8.13 | 10.63 | 10.75 | 8.50 | 11.50 | 10.75 | 9.25 |
| 6 X 4 | 9.25 | 10.75 | 8.25 | 9.63 | 10.75 | 8.63 | 10.63 | 10.75 | 9.50 | 11.50 | 10.75 | 10.00 |
| 6 X 6 | 9.25 | 10.75 | 9.25 | 9.63 | 10.75 | 9.63 | 10.63 | 10.75 | 10.63 | 11.50 | 10.75 | 11.50 |

Note: Where a Run Extension is required, the length shall be added to the value of DIM 'A'.

