



Flow Tees

Types of Flow Tees

Specialized Design

Equipped with an internal slotted sleeve or guiding bars to direct pigs through the main line, preventing them from entering the branch and ensuring unobstructed passage.

Unrestricted Flow

The internal sleeve and annular space provide a flow area equal to or greater than that of the branch line, minimizing pressure drop during normal operations.

Versatility

Available for various pipeline sizes and pressure ratings, with options for welded or flanged connections to meet specific customer requirements.

Robust Construction

Manufactured from materials that match existing pipeline specifications, with 100% radiographed welds to ensure integrity and durability.

Compliance with Standards

Designed in accordance with international standards such as ASME B31.3, B31.4, B31.8, MSS SP-75, and NACE MR0175, ensuring reliability and safety in both onshore and offshore applications.

1.1 Barred Tee

A simple and more cost-effective option, ideal for standard branch connections where preventing the pig from entering the branch is required without restricting product flow. It is a practical and efficient solution for applications that do not demand extreme operating conditions.

1.2 Radial Flow Tee with Internal Slotted Sleeve

A highly robust option designed for critical services where ensuring the efficient passage of inspection and cleaning devices is essential. Its design allows continuous flow while guiding the pig through the main line, minimizing pressure drop and ensuring optimal performance in demanding operations.

Benefits

- Continuous Operation: The design ensures the uninterrupted passage of pigs and spheres, even in challenging conditions.
- Reduced Pressure Drop: Optimized design allows for efficient flow with minimal resistance.
- Complete Adaptability: Manufactured to meet specific customer needs, including sizes, pressures, and materials.
- Easy Installation: Configurations suitable for repair and installation operations in the field, whether onshore or offshore.

Applications

- Pipeline cleaning and preventive maintenance.
- Internal inspection using intelligent pigs.
- Branch connections in pig traps and bypass stations.

Compliance with International Standards

- ASME B31.3, B31.4, and B31.8.
- MSS SP-75 and NACE MR0175 for corrosive environments.
- ASME BPVC Sec. VIII, Div. 1

Available Options

- Full-size or reduced branch outlets.
- Welded or flanged connections.
- Designed for any operating pressure and adapted to specific codes.