

Scraper / Flow Tees

Orizon flow tees are specialized design that facilitates the passage of pipeline past tee connections where flow bypass often leaves pigs stranded. Flow Tees are used to ensure a safe passage to Pipeline Pigs across branch connection.

Unrestricted flow:

- 1) The flow in the flow tees are unrestricted due to slots in internal sleeve and annular cavity.
- 2) The provide area of flow in slots are higher than the branch area to avoid any pressure buildup in flow tee cavity.
- 3) The fluid flow in normal operation is through a flow tee branch towards flow direction and through launcher/receiver trap during pigging operation.

Unrestricted pig passage:

The flow tee internal sleeve are provided with same inner diameter as connecting line pipe. This feature of flow tee allows easily pig passage.

Flow Tee	
Technical Specification	
Available Sizes	3" To 48"
ANSI Rating	ASME 150# To 2500#
Design Codes	ASME Sec-VII Div-1& ASME B 31.4/31.8/31.3
Type Of Connection	Bevel Ended /Flanged Ended
Material Of Construction	Tee: Mss SP 75 GR 42/46/52/56/60/65/70 , 234 GR WPB
	Forging ASTM A 694 GR 42 TO 70/ A 105
	Sleeve API 5L GR B,42 TO 70/A106 GR B Stainless Steel Grade 304L Or 316L
NDT	UT of finished bevel ends
	RT of butt welds
	MPT/PT of fillet welds
Finishing	Red Oxide Primer or as Requested.

