



## FLOWLINE PRODUCTS AND CUSTOM APPLICATIONS



**Oil and Gas Division**

**ENGINEERED SOLUTIONS FOR  
HIGH PRESSURE CONTAINMENT**

*Dedicated to Quality and Excellence*

# FLOWLINES

## Flowlines

**LTS** offers engineered solutions for High Pressure Flowlines. Designed in accordance to any International code and are available for all liquid or gas applications through 20,000 psi (1,379 bar) service. Specializing in custom designs to meet the most demanding Onshore and Offshore Well Control and Process systems.



API 10000 psi Flowline



3.1/16" API 15000 psi Flowline

## Specifications

Ratings:	ANSI 2500# Through 4500# API Class 20,000 psi -50 to 350°F (-46 to 177°C)
Sizes:	2" to 24" 50mm to 610mm
Materials:	Carbon Steel, Stainless Steel, 13% Chr, Duplex, Nickel Alloys
End Connections:	Flanged, Butt Weld, Clamp Ends, Compact Flange

## Flow Tees and Crosses

**LTS** Flowlines are offered with a choice of end connections, fabricated or in "Building Block" style. These can be supplied with Adapters, Flow Tees, Crosses and 45° Laterals.



3.1/16" API 15000 psi Laterals



5.1/8" API 15000 psi Flowline under hydro test

## Features

- Piggable or Non Piggable options
- NACE MR0175 latest edition
- External Load and Stress Analysis available
- Design using SolidWorks 3D modeling

# CUSTOM APPLICATIONS

## Headers and Blast Spools

**LTS** offers a wide range of Blast Spool and Header options used for High Pressure Well Control, Subsea Pigging and Manifold systems through 20,000 psi (1,379 bar) service. These can be supplied with all necessary instrumentation, tested, painted and shipped anywhere in the world.



9" API 10000 psi "Building Block" Header



7.1/16" API 10000 psi "Building Block" Manifold

## Compact Manifold Systems

**LTS** can integrate Flowline Tie-ins with our High Pressure Production, Injection and Waterflood Compact Manifold systems. These can be designed in accordance to any International Code and supplied with all Valves meeting relevant API 6A, API 6D or ANSI B16.34 standards.



4.1/16" API 15000 psi "Building Block" Manifold

## Instrumentation

**LTS** supplies High Pressure Sand and Corrosion Probes as well as Chemical inhibiting assemblies through 20,000 psi (1,379 bar) service. Other specialized products include Chokes and Orifice Connections for Blow Down systems designed for -150°F (-101°C) service.



15000 psi Corrosion & Injector Assemblies



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