

PROCHEM

Product solutions for a world of difference

INSTRUMENTATION

BUTECH



PIPING PRODUCTS



INSTRUMENTATION



VALVES



MANUFACTURING



INDENT & PROJECT SERVICES



HYDRAULIC



A **pen** company

The World of Prochem



PIPING PRODUCTS



INSTRUMENTATION



VALVES



MANUFACTURING



INDENT & PROJECT SERVICES



HYDRAULIC



Certified Quality
Management System
(Australia)



A **pen** company

BuTech Pressure Systems is the world's leading supplier of high pressure piping components.

BuTech Pressure Systems



BuTech

BuTech Pressure Systems is a leading supplier to the oil, natural gas, compressed gas, chemical and petrochemical industries as well as aerospace, marine, government and niche industrial markets.

System components are available in every imaginable alloy to handle pressures from vacuum to 10,000 bar (150,000 psi) in tube and pipe sizes from 6 (1/8") to 25 (1") and temperatures from -253 to 649°C (-423 to 1200°F). Any extreme application of erosive or corrosive solids, liquids or gases is where BuTech products feel right at home.

The following components are available to satisfy your high pressure piping requirements:

- | | |
|---------------------------|------------------------------|
| Subsea Valves | Needle Valves |
| Ball Valves | Relief Valves |
| Metering Valves | Check Valves |
| Elbows, Tees, Crosses | Quick Disconnect Couplings |
| Adapters and Couplings | Bulkheads |
| Safety Head Assemblies | Rupture Discs |
| Tube Nipples | Filters |
| Anti-Vibration Assemblies | Pressure Gauges and Snubbers |
| Thermocouples | Assembly Tools |
| Tubing | High-Pressure Hose |



BuTech Subsea Ball and Needle Valves

BuTech's subsea, relief, needle, ball, and double block and bleed valves, and assemblies are installed in some of the oil and gas industry's most challenging applications. From ball valves for delayed coker units to subsea valves performing in the harsh environments of the deepest offshore waters, BuTech leads the industry in performance, safety, and reliability.

Features and Benefits

- API 6A, 19th ed., ISO 10423:2003 PR2, Annex F/ PSL3G qualified valves available.
- Internally pressure tested to 1,379 bar (20,000 psi).
- Externally tested to 4,200 meters (14,000') depth.
- Typical service life guarantee of 25 years.
- Custom designed for instrumentation, process control and chemical injection applications Remote Operated Vehicle (ROV) capabilities in template control panels, subsea wellheads and christmas trees.
- Manufactured to meet the requirements of NACE MR0175, API Spec 6A & 17D, ASME, ANSI and various other standards.
- Trouble free operation in a variety of media including hydrogen sulfides, corrosion inhibitors, paraffin thinners, hydraulic fluids and other harsh chemicals.



BuTech Double Block and Bleed Valves

BuTech's Double Block and Bleed Ball Valve combines two isolating ball valves and a central needle bleed valve into one compact manifold. BuTech also offers double block and bleed needle valves and single block and bleed needle valves in various sizes and materials for higher flows, higher pressures or for sour gas applications.

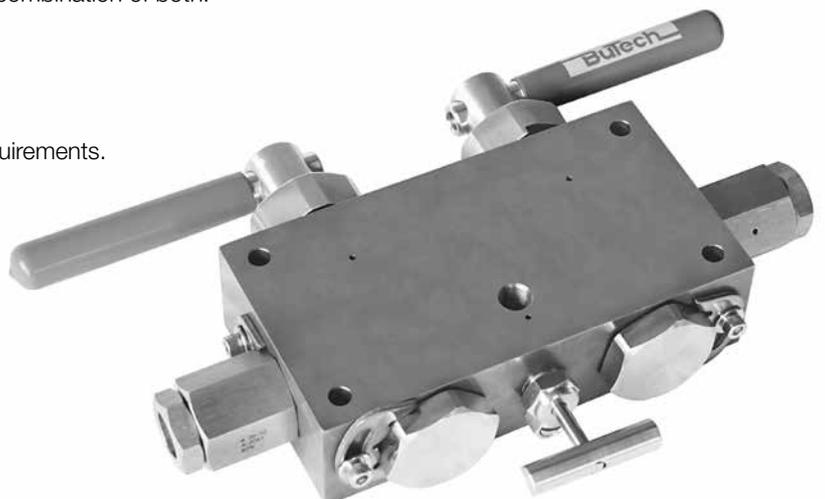
Features and Benefits

- Pressures to 1,380 bar (20,000 psi) at 22°C (72°F).
- Available with Needle Valves or Ball Valves, or a combination of both.
- Compact Design.
- Manual Lever or Actuator Activated.
- Minimised leakage points.
- Reduced Installation costs and maintenance requirements.

Standard materials include:

- Stainless steel
- Monel®
- Hastelloy®
- Titanium
- Inconel®
- Bronze
- Aluminum Bronze

Monel, Hastelloy and Inconel are registered trademarks.





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