COILED TUBING
PRESSURE CONTROL

+1.877.682.5189
f-e-t.com/ctpc
intervention.sales@f-e-t.com
About Us
In 2008 Vanoil, which was a trusted manufacturer for over 30 years, joined Forum Energy Technologies. As an API licensed, top tier producer of coiled tubing blowout preventers and supporting equipment, Forum’s Pressure Control Equipment is utilized worldwide by both major and independent service companies.

Our experienced management team and employees are dedicated to solving our customers’ problems. We invest in long term relationships and cooperate on product development with our clients. Built for ease of operation, serviceability, and maximum durability – Forum’s Vanoil products are manufactured in Broussard, LA USA to specifications under ISO 9001-2015, API 6A and API Q1.

- Best in class aftermarket support. Forum’s focus is taking care of the customer after the sale through responsive and local service / recertification, strategic spares placement, and technician training.
- Compact Designs. Industry’s lightest and smallest 5-15 KSI equipment and dual-door strippers.
- Serviceability Features. Less parts. Accessible rams. Field-replaceable brass available for all strippers.
- Customizability. All Forum PCE can be customized to support special projects. Our experienced and extensive engineering team stands ready to support your needs.

Equipment Types
Forum offers all major components of the CT pressure control stack in a variety of working pressures, sizes, internal configurations, and connection types.

- Blow-Out Preventers (Quad, Dual, and Single Ram Bore)
- Stripper/Packers (Single and Dual Packer Designs)
- Lubricators
- Adapters/Crossovers
- Specialty Components/subs
- Rotating Joints/Swivels

Specifications
Standard equipment is available to meet most requirements. The product line continues to expand to meet the emerging needs of the market.

- Working Pressures: 5 - 10 - 15 KSI
- Standard Bore Sizes: 3 1/16” 4 1/16” 5 1/8” 7 1/16”
- String Sizes: 3/8” to 3 1/4” Coiled Tubing
- Operating Temp: STD -29°C to 121°C (-20 to 250°F) or LOW -45°C to 82°C (-50 to 180°F)
- Service: H2S
- Operating Pressure: 3000 PSI (Max) Hydraulic
Stripper/Packers

General Specifications

- Service: H2S
- Standard Operating Temperatures: -29°C to 121°C (-20°F to 250°F)
- Low Operating Temperatures: -45°C to 82°C (-50°F to 180°F)
- Various Flanged Connections and Quick Union options available
- Top and Bottom Brass can be exchanged through the window on most models

<table>
<thead>
<tr>
<th>Type</th>
<th>Pressure</th>
<th>Bore Size</th>
<th>Connections</th>
<th>Max Coil</th>
<th>Weight*</th>
<th>Dimensions*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual</td>
<td>15 KSI</td>
<td>4 1/16&quot;</td>
<td>BX Flange or Unions</td>
<td>2 7/8&quot;</td>
<td>1,750 lbs.</td>
<td>72&quot; x 17&quot;</td>
</tr>
<tr>
<td>Single</td>
<td>15 KSI</td>
<td>4 1/16&quot;</td>
<td></td>
<td>2 7/8&quot;</td>
<td>1,035 lbs.</td>
<td>43&quot; x 17&quot;</td>
</tr>
<tr>
<td>Dual</td>
<td>10 KSI</td>
<td>4 1/16&quot;</td>
<td></td>
<td>2 7/8&quot;</td>
<td>1,750 lbs.</td>
<td>72&quot; x 17&quot;</td>
</tr>
<tr>
<td>Single</td>
<td>10 KSI</td>
<td>4 1/16&quot;</td>
<td></td>
<td>2 7/8&quot;</td>
<td>1,035 lbs.</td>
<td>43&quot; x 17&quot;</td>
</tr>
<tr>
<td>Single</td>
<td>10 KSI</td>
<td>3 1/16&quot;</td>
<td></td>
<td>2&quot;</td>
<td>292 lbs.</td>
<td>34&quot; x 12&quot;</td>
</tr>
</tbody>
</table>

*Varies with connection selected.
10 KSI BOPs

General Specifications
- Service: H2S
- MWP: 10,000 PSI
- Standard Operating Temperatures: -29°C to 121°C (-20°F to 250°F)
- Low Operating Temperatures: -45°C to 82°C (-50°F to 180°F)
- Ram Types: Blind, Shear, Slip, Pipe, Shear-Seal, Slip-Seal

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Max Coil</th>
<th>Bore Size</th>
<th>Flanged Connections</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUAD</td>
<td>5-1/8</td>
<td>5,519 lbs</td>
<td>57 x 59 x 16</td>
<td>3 1/4</td>
<td>5.12</td>
<td>BX-169</td>
<td>P506QBX0</td>
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<tr>
<td>QUAD</td>
<td>4-1/16</td>
<td>3,800 lbs</td>
<td>49 x 52 x 14</td>
<td>2 3/8</td>
<td>4.06</td>
<td>BX-155</td>
<td>P406QBX0C</td>
</tr>
<tr>
<td>QUAD</td>
<td>3-1/16</td>
<td>1,400 lbs</td>
<td>34 x 34 x 11</td>
<td>2</td>
<td>3.06</td>
<td>BX-154</td>
<td>P306QB00A</td>
</tr>
<tr>
<td>DUAL</td>
<td>5-1/8</td>
<td>2,994 lbs</td>
<td>33 x 69 x 16</td>
<td>2 7/8</td>
<td>5.12</td>
<td>BX-169</td>
<td>P506DBX0</td>
</tr>
<tr>
<td>DUAL</td>
<td>4-1/16</td>
<td>2,200 lbs</td>
<td>28 x 60 x 14</td>
<td>2 3/8</td>
<td>4.06</td>
<td>BX-155</td>
<td>P406DBX0C</td>
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<td>DUAL</td>
<td>3-1/16</td>
<td>1,125 lbs</td>
<td>22 x 42 x 11</td>
<td>1 3/4</td>
<td>3.06</td>
<td>BX-154</td>
<td>P306DCB0</td>
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<tr>
<td>SINGLE</td>
<td>5-1/8</td>
<td>1,606 lbs</td>
<td>20 x 69 x 16</td>
<td>2 7/8</td>
<td>5.12</td>
<td>BX-169</td>
<td>P506SBX10</td>
</tr>
<tr>
<td>SINGLE</td>
<td>4-1/16</td>
<td>1,362 lbs</td>
<td>18 x 60 x 14</td>
<td>2 3/8</td>
<td>4.06</td>
<td>BX-155</td>
<td>P406SBX10</td>
</tr>
<tr>
<td>SINGLE</td>
<td>3-1/16</td>
<td>564 lbs</td>
<td>18 x 42 x 11</td>
<td>1 3/4</td>
<td>3.06</td>
<td>BX-154</td>
<td>1089497</td>
</tr>
</tbody>
</table>
## 15 KSI BOPs

### General Specifications
- **Service:** H2S
- **MWP:** 15,000 PSI
- **Standard Operating Temperatures:** -29°C to 121°C (-20°F to 250°F)
- **Low Operating Temperatures:** -45°C to 82°C (-50°F to 180°F)
- **Ram Types:** Blind, Shear, Slip, Pipe, Shear-Seal, Slip-Seal

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Max Coil</th>
<th>Bore Size</th>
<th>Flanged Connections</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUAD</td>
<td>5-1/8</td>
<td>6,526 lbs</td>
<td>64 x 57 x 17</td>
<td>2 7/8</td>
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<td>1126911</td>
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<tr>
<td>QUAD</td>
<td>4-1/16</td>
<td>4,438 lbs</td>
<td>48 x 56 x 15</td>
<td>2 3/8</td>
<td>4.06</td>
<td>BX-155</td>
<td>1025784</td>
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<tr>
<td>DUAL</td>
<td>5-1/8</td>
<td>3,923 lbs</td>
<td>38 x 72 x 17</td>
<td>2 7/8</td>
<td>5.12</td>
<td>BX-169</td>
<td>1114963</td>
</tr>
<tr>
<td>DUAL</td>
<td>4-1/16</td>
<td>2,384 lbs</td>
<td>28 x 63 x 15</td>
<td>2 3/8</td>
<td>4.06</td>
<td>BX-155</td>
<td>1027175</td>
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<tr>
<td>SINGLE</td>
<td>5-1/8</td>
<td>2,330 lbs</td>
<td>32 x 66 x 17</td>
<td>2 7/8</td>
<td>5.12</td>
<td>BX-169</td>
<td>1169134</td>
</tr>
<tr>
<td>SINGLE</td>
<td>4-1/16</td>
<td>1,688 lbs</td>
<td>29 x 63 x 15</td>
<td>2 3/8</td>
<td>4.06</td>
<td>BX-155</td>
<td>1044079</td>
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</tbody>
</table>
Rotating Joints

Description
Forum’s Coiled Tubing rotating joints / swivels are designed to support your CT pumping operations with a variety of bore sizes, connection types, and shapes, including 90°, 180°, and straightbore. Multi-style seals and a heavy duty bearing design in a hydraulic oil bath ensures a wide pressure sealing range and a long, reliable service life.

Features
- Roller bearing design to provide longer bearing life
- Oil bath for bearings with oil level check port.
- Advanced packing stack design provides improved seal over a wide range of pressures and temperatures.
- Includes weep port to indicate faulty packing stack.

General Specifications
- Bore Size/MWP: 1.5” - 2.5” 10,000 PSI to 15,000 PSI
- Service: Standard/H2S
- Standard Operating Temperatures: -29°C to 121°C (-20°F to 250°F)
- Low Operating Temperatures: -45°C to 82°C (-50°F to 180°F)

Lubricators | Spools, Adapters | Crossovers, Flow Tees
Crosses, Chemical Injection Subs, Quick Test Subs

Description
Forum offers a wide selection of pressure control accessories and equipment including lubricators, adapters, flow tees/crosses, and bleed subs. All equipment matches the working pressure, service rating, and end connections consistent with surface pressure control equipment.

Features
- Lubricators/Risers (Integral or Threaded)
- Adapters/Bleed Subs
- Flow Tees/Crosses
Aftermarket Support

**Strategic Spares System**
From our primary distribution center in Louisiana, USA – Forum positions critical spares globally by leveraging our locations in the Middle East, Asia, and Europe. Where Forum does not have a direct presence, we partner with trusted agents and distributors to ensure equipment owner's timely access to spare parts.

**Global Service & Recertification Program**
Forum stresses the importance of proper maintenance and recertification of our equipment to ensure a long, effective life. Our technicians are standing by to deploy globally when the need arises. For major maintenance and recertification, Forum has partnered with approved vendors in strategic locations across the globe. Recertification provided in such facilities is conducted under direct OEM monitoring and all equipment undergoes an OEM inspection prior to issuance of a Letter of Conformance.

**Customer Training**
Forum offers globally deployable training for equipment owner technicians and operators, focusing on basic maintenance and troubleshooting. The programs provide certification to technicians to meet the API “competent person” standard.
Our Core Values

No one gets hurt
The safety of our employees and customers is our first priority coupled with a healthy respect for the environment.

Integrity
In everything we do, in every interaction, both internally and externally, we strive to operate with the utmost integrity and mutual respect.

Customer focused
Our products enhance our customer’s performance and we listen to their needs and work with them to solve their challenges.

Good place to work
We are committed to creating a workplace that fosters innovation, teamwork and pride. Every team member is integral to our success and is treated equally and fairly.

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Coiled Tubing Pressure Control

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