Model 50H
COSASCO®
Hydraulic Access Fitting Assemblies

The COSASCO® Hydraulic Access Fitting Assembly consists of four major parts: 1) the Body; (2) the Hollow/Solid Plug; (3) the Locking Pins and Moisture Seal Nuts; and (4) Heavy Duty Cover. A Pressure Retaining Cover is also available which provides a secondary isolation and is recommended for most applications.

<table>
<thead>
<tr>
<th>Mounting</th>
<th>Weight</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lbs</td>
<td>kg</td>
</tr>
<tr>
<td>Flarweld</td>
<td>24.5</td>
<td>11.1</td>
</tr>
</tbody>
</table>

- **Mounting — Flarweld w/Integral Branch Reinforcement per ASME B31.3**
- **Probe Retrieval Under Pressure With the RCS, HRSL Tool (non telescopic) and Standard RCS 6000 PSI Service Valve**
- **Retaining Pin, Moisture and Debris Protection Caps Included**
- **Standard Temperature Rating with Viton/Teflon Seals:**
  — From -15° F (-26° C) Up To +400° F (+204°C)
- **Available Temperature Rating with Optional Seals:**
  — From -70° F (-56° C) Up To +450° F (+232°C)
- **Pressure Rating — 6000 PSI/41.3 MPa Working**
- **Meets NACE MR0175 and MR0103**

When the hydraulic method of retrieval is preferred, the COSASCO® Hydraulic Access System offers several advantages over other hydraulic access fittings, including a corrosion resistant locking pin system and a HRSL retrieval tool that can be used for both mechanical and hydraulic 2” system access fittings. The hydraulic access fitting locking pins are protected with pressure retaining seal nuts that prevent moisture and debris from entering the locking pin cavity. They also act as a second level of pressure containment for enhanced protection. When used with a COSASCO® HRSL Retriever and RCS 6000 PSI Service Valve, the Hydraulic Access Fitting Assembly permits safe, easy insertion and retrieval of corrosion and erosion monitoring devices as well as injection tubes/nozzles while under full operating pressure. The Flarweld type Access Fitting is designed to be welded directly to the pipe or vessel. The fitting incorporates a radius to match the curvature of the pipe or vessel, with a maximum 1/16” weld gap. It also incorporates a thick body to provide adequate branch reinforcement area to help strengthen the weld joint. It is the most popular type of mounting configuration.
**Ordering Information:**

<table>
<thead>
<tr>
<th>Model</th>
<th>High Pressure Hydraulic Access Fitting Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>50H</td>
<td>Plastic Mounting</td>
</tr>
</tbody>
</table>

### Ordering Information:

<table>
<thead>
<tr>
<th>Model</th>
<th>Plug Assembly – Enter code for plug type from options below</th>
</tr>
</thead>
<tbody>
<tr>
<td>50H</td>
<td>Plastic Mounting</td>
</tr>
</tbody>
</table>

#### Type

- **Not Req.**
- **1 Solid**
- **2 Hollow**
- **3 Hastelloy C-276**
- **4 Nitronic 60**
- **5 Carbon Steel**
- **6 Inconel 625**
- **7 2205 Duplex SS**
- **8 EDR Viton**
- **9 Kalrez**

#### Alloy Mat'l

- **0 Not Req.**
- **1 Solid**
- **2 Hollow**
- **3 Hastelloy C-276**
- **4 Nitronic 60**
- **5 Carbon Steel**
- **6 Inconel 625**
- **7 2205 Duplex SS**
- **8 EDR Viton**
- **9 Kalrez**

#### Packing Seal

- **0 Not Req.**
- **1 Viton O-Ring Teflon Primary Packing**
- **2 Ethylene Propylene O-Ring Vespel Primary Packing**
- **3 Kalrez O-Ring Vespel Primary Packing**
- **4 No O-Ring Nitronic 60 Primary Packing**
- **5 Hydrin O-Ring Teflon Primary Packing**
- **6 Nitric O-Ring Teflon Primary Packing**
- **7 Ethylene Propylene O-Ring, Teflon Primary Packing**
- **8 EDR Viton O-Ring Teflon Primary Packing**
- **9 Kalrez O-Ring Teflon Primary Packing**

#### Nominal Temperature Range

- **1** -15 to 400°F (-26 to 204°C)
- **2** -15 to 450°F (-26 to 232°C)
- **3** -15 to 500°F (-26 to 288°C)
- **4** -50 to 450°F (-45 to 232°C)
- **5** -40 to 275°F (-40 to 135°C)
- **6** -30 to 250°F (-35 to 121°C)
- **7** -70 to 250°F (-56 to 121°C)
- **8** -70 to 250°F (-56 to 121°C)
- **9** -15 to 450°F (-26 to 232°C)

### Code Side Tee Size

- **0** Non-Tee
- **1** 1/4" Tee
- **2** 1/2" Tee
- **3** 3/4" Tee
- **4** 1" Tee

### Code Pipeline Size

- **02** 2"
- **03** 3"
- **04** 4"
- **06** 6"
- **10** 8-10"
- **18** 12-18"
- **36** 20-36"
- **FL** Flat

### Code Body Material

- **K03504** ASTM A105 Carbon Steel
- **K03011** ASTM A350 LF2 Carbon Steel
- **S31600** AISI 316 Stainless Steel
- **S31803** Duplex Stainless Steel (Nitronic 60 Plug Recommended)

### Secondary Process Containment and Protective Covers

<table>
<thead>
<tr>
<th>Code</th>
<th>Secondary Pressure Retaining Covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Not required</td>
</tr>
<tr>
<td>1</td>
<td>Hydraulic High Pressure Cover w/Bleed Valve &amp; Pressure Gauge without Hole P/N 740101</td>
</tr>
<tr>
<td>2</td>
<td>High Pressure Cover w/Bleed Valve &amp; Pressure Gauge w/hole for Std Probe Adapter P/N 740103</td>
</tr>
<tr>
<td>3</td>
<td>High Pressure Cover w/Bleed Valve &amp; Pressure Gauge w/hole for High Pressure Probe Adapter P/N 740105</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Protective Covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Heavy Thread Protector Without Hole P/N 740106</td>
</tr>
<tr>
<td>5</td>
<td>Heavy Thread Protector With Hole P/N 740107</td>
</tr>
</tbody>
</table>

Example: 50H 111 0 00 K03504 1

*Nominal Temperature Range*