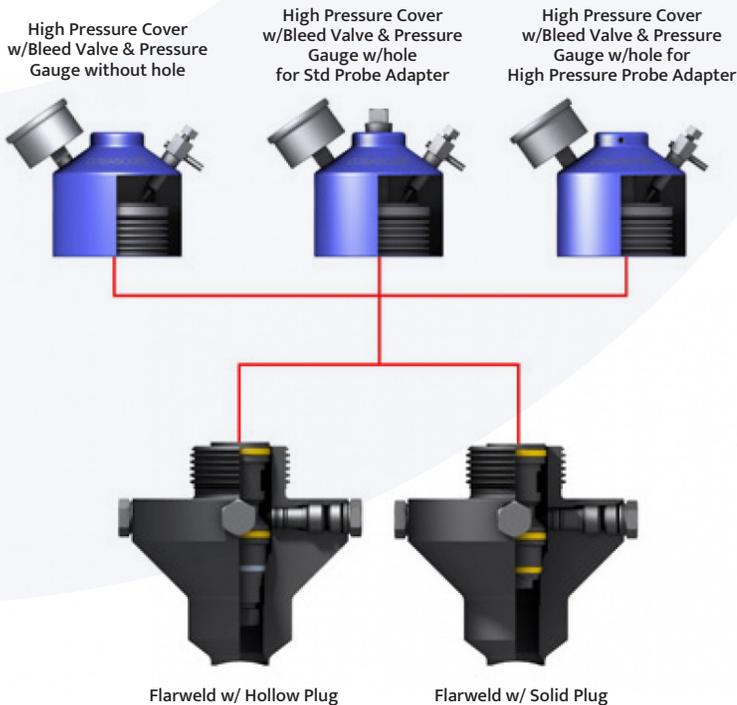


Hydraulic Access Fitting Assemblies

MODEL 50H



Hydraulic Access Fitting Assembly

The Cosasco Hydraulic Access Fitting Assembly consists of four major parts: 1) **Body**; (2) **Hollow/Solid Plug**; (3) **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.

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 Cosasco 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.

Specifications

- Probe Retrieval Under Pressure with the Cosasco, HRSL Tool (non-telescopic) and Standard Cosasco 6000 PSI Service Valve
- Retaining Pin, Moisture and Debris Protection Caps Included
- Meets NACE MR0175 and MR0103
- Pressure Equipment Directive (PED) Certified

Mounting

- Flarweld with Integral Branch Reinforcement per ASME B31.3

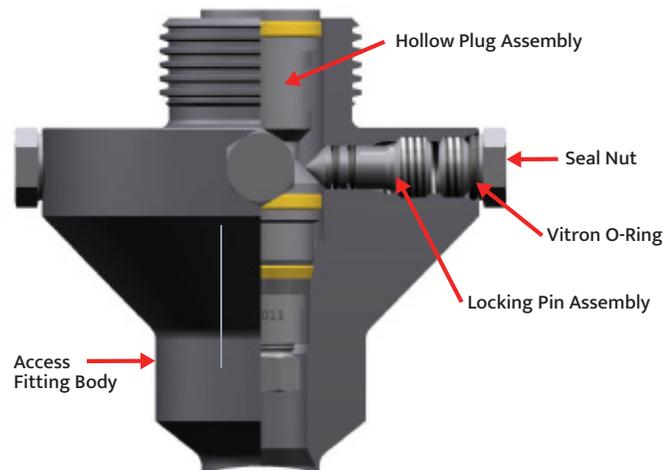
Standard Temperature Rating with Teflon Seals

- -50° F (-45° C) to +450° F (+232°C)

Pressure Rating

- 6000 PSI/41.3 MPa Working

Hydraulic Access Fitting Assembly



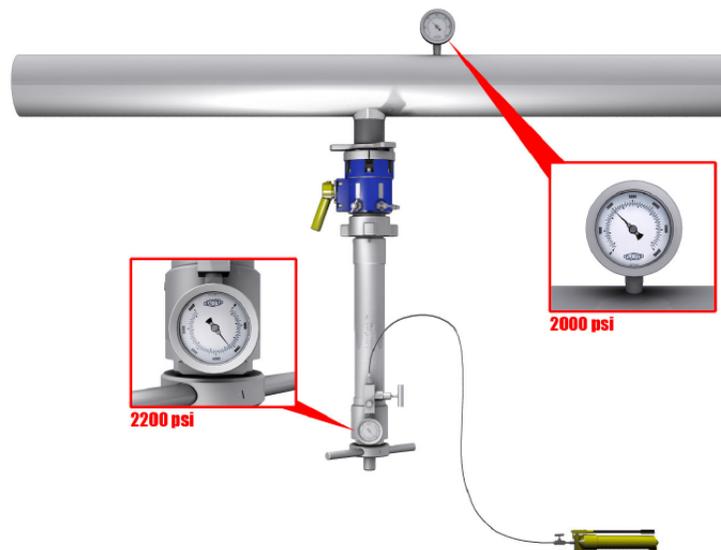
Body Style	Weight		Height		Equivalent Height*
	lbs	Kg	Inches	mm	Inches
Non-Tee 1/4" Tee	24.5	11.1	6.50	165.1	5.25
1/2" 3/4" 1" Tee	42.0	19.1	7.50	190.5	6.25

*Equivalent Height is the value to be used in sizing formulas for devices to be used with the hydraulic access fitting.

HRSL Retriever

The Cosasco HRSL Retriever is a precision tool which allows safe, easy insertion and removal of various equipment and tools through a standard Cosasco Access Fitting or specially designed Cosasco Hydraulic Access Fitting, without de-pressurizing the pipeline or vessel. Used in conjunction with a Cosasco 6000 Service Valve, the HRSL tool can be used with two-inch system hydraulic access fittings, with no adapters required. Rotation and translation in and out of the fitting is controlled by two adjustable handles. No movement or telescoping of the tool body is necessary, requiring less

clearance area than standard retrievers. To ensure safe working practices, a Back Pressure Pump is provided and must be used with the Cosasco HRSL Retriever. This is to achieve pressure equalization between the line and the retriever to eliminate the load on the access fitting assembly locking pins during the retrieval operation. Pressure equalization is crucial to ensure safe removal of the hydraulic plug assembly from the access fitting. See individual HRSL datasheet for more details and ordering information



Cosasco Training

Cosasco Systems Safety Awareness Training is highly recommended for all users of Cosasco Retrievers and Services Valves. See Cosasco Systems Safety Awareness Training datasheet for more details or contact your nearest Cosasco office.

Model High Pressure Hydraulic Access Fitting Assembly

50H	Flarweld Mounting					
Code	Plug Assembly – Enter code for plug type from options below					
XXX	Type (1st Digit)	Alloy Material (2nd Digit)		Packing Seal (3rd Digit)		
	0	Not Req.	0	Not Req.	0	Not Req.
	1	Solid	1	316/316L SS	1	Teflon Primary Packing* -50 to 450° F (-45 to 232°C) *Nominal temperature range
	2	Hollow	3	Hastelloy C-276	2	Vespeal Primary Packing* -50 to 450° F (-45 to 232°C) *Nominal temperature range
			6	Inconel 625		
		7	2205 Duplex S.S.			
Code	Side Tee Size					
0	Non-Tee					
1	1/4" Tee					
2	1/2" Tee					
3	3/4" Tee					
4	1" Tee					
Code	Optional Side Tee Configuration (omit for standard NPT)					
SW	Socketweld Tee					
FL71	150# RF					
FL72	300# RF					
FL73	600# RF					
FL74	1500# RF					
FL75	2500# RF					
FL40	150# RJ					
FL41	300# RJ					
FL42	600# RJ					
FL43	1500# RJ					
FL44	2500# RJ					
BW40	Schedule 40 (Standard) Butt weld Tee					
BW80	Schedule 80 (Extra Strong) Butt weld Tee					
BW160	Schedule 160 (Not applicable for 1/4") Butt weld Tee					
BWXX	Schedule XX (Double Extra Strong) (Not applicable for 1/4") Butt weld 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					
S31603	AISI 316L Stainless Steel					
S31803	Duplex Stainless Steel					
Secondary Process Containment and Protection Covers						
Code	Secondary Pressure Retaining Covers					
10	Pressure Retaining Cover with Bleed Plug & Pressure Gauge P/N 740101 10,000 PSI Max.					
11	Pressure Retaining Cover with Bleed Plug, Pressure Gauge and 1/2" NPT Center Hole for Standard Probe Adapter (P/N 740103) 2500 PSI Max. (When used w/probe adapter).					
12	Pressure Retaining Cover with Bleed Plug, Pressure Gauge and Center Hole for High Pressure Probe Adapter (P/N 740105) (Must use Hydraulic High Pressure Probe Adapter) 10,000 PSI Max.					
Code	Thread Protector- No Additional Process Containment					
0	Not required					
1	Heavy Protective Cover without Hole P/N 740106					
2	Heavy Protective Cover with Hole P/N 740107					

50H 111 2 FL71 02 K03504 10 ← Example

Replacement Parts Y=Plug Material W=Seal Material Plug and Seal Materials available as noted above in the Ordering Information.

Solid Plug Assembly	P/N 550010-Y-W	Viton O-ring	P/N 551067-1	Hollow Plug Assembly	P/N 550110-Y-W
Locking Pin Assembly	P/N 551071-W	Seal Nut	P/N 551070	Wear Ring (2 required)	P/N 551033