



## Universal Pipeline Connector (Requires Universal Trap of Choice)

### Description

The universal straight connector and the universal strainer connectors for use with UTD52L, UTD52H, UTD52SL, UTD52SH, UTD52L-HP, UFT14, UFT32, UIB30H, UBP32 steam traps. Two bolt quick disconnect design for horizontal and vertical piping installations.

Model	Universal straight and strainer connectors
PMO	Dependant on trap type
Sizes	1/2", 3/4", 1"
Connections	NPT, SW to ANSI 16.11
Construction	Stainless steel (standard)
Options	Left hand, Cast Steel SW only, with Spiratec sensor see TI-P128-17-US

### Limiting Operating Conditions

**Max. Operating Pressure (PMO):** 600 psig (42 Bar). Trap may dictate actual PMO if lower when assembled (See trap TIS sheet)

**Max. Operating Temperature (TMO):** 750 deg F (400 deg C). Trap may dictate actual TMO if lower when assembled (See trap TIS sheet)

**Trap of choice required. Connectors cannot be used alone.**

### Pressure Shell Design Conditions

**Max Allowable pressure (PMA):**

720 psig to 100 deg F 50barg/up to 38 deg C

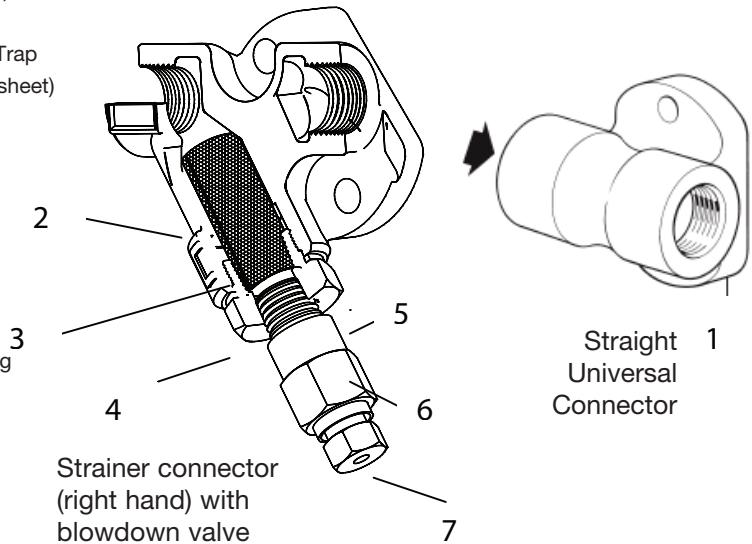
600 psig to 750 deg F 42 barg/400 deg C

**Max allowable temperature (TMA):**

750 deg F /600 psig 400 deg C / 42barg

Designed for a maximum cold hydraulic test pressure of 900 psig

**Note:** selected trap may dictate max allowable pressures and temperatures



### Materials

No	Part	Material	MATERIAL SPEC.
1	Standard Straight connector body	Austenitic Stainless steel	ASTM A351 CF8
1	CS straight SW connector body	Cast Steel	ASTM A216 Gr. WCB
2	Standard strainer connector body	Austenitic Stainless steel	ASTM A351 CF8
2	CS strainer connector body	Cast Steel	ASTM A216 Gr. WCB
3	Strainer screen	Austenitic Stainless steel (.8 mm perforations)	316L
4	Cap gasket	Austenitic Stainless steel	BS 1449 304 S16
5	Strainer cap	Austenitic Stainless steel	AISI 303
6	Blowdown valve body	Stainless steel	AISI 303
7	Blowdown valve stem	Stainless steel	AISI 303
8	Blowdown ball head (not shown internal)	Stainless steel	AISI440

### Spare parts

Blowdown valve retro fit kit 4,5,6,7,8

Strainer screen 3

Strainer cap gasket 4 (package of 3)

### Installation

The connector will be installed in a horizontal or vertical pipeline. Full ported isolation valves should be installed up stream and downstream of the connector /trap. The trap shall be fitted as shown on IMI accompanied with the trap.

*Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interests of development and improvement of the product, we reserve the right to change the specification.*

## Determining whether you need right hand or left hand connector

Because of the location or space constraints you may need a right or left hand strainer connector. When straddling the piping in the direction of flow the standard right hand connector will have the trap body facing the left side with the mounting bold to the right. The left hand strainer connector will have the trap body on the right and the mounting bolts on the left.

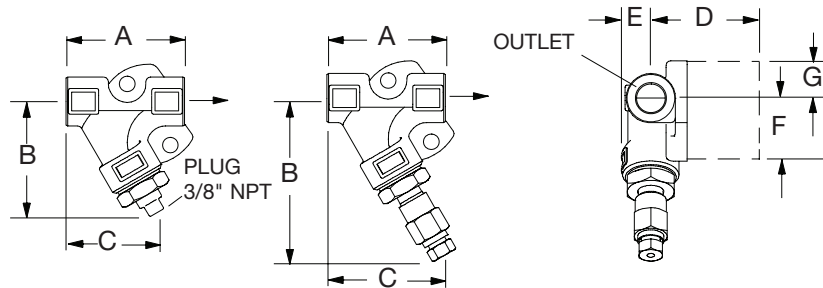
## Operation and Maintenance

Only the strainer connector with blow down can be operated. Turning blowdown valve counter clockwise 1/2" to 1" turn. Clock wise to close. Do not use excessive force to close as damage to seating surface could occur.

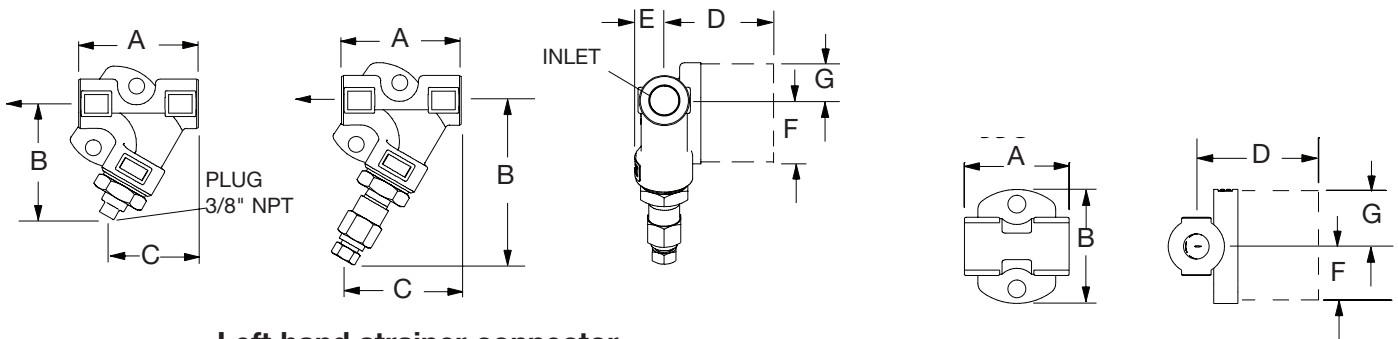
Before performing any maintenance make sure the unit is isolated and all pressure has been relieved. Replacing strainer screen remove strainer cap and gasket and remove screen. Replace with new screen and gasket and tighten to 125-140 ft-lbs. If blow down valve is replaced tighten to 55 ft-lbs. See trap IMI for all other maintenance.

## Sample Specification

Steam trap shall be purchased with the pipeline connector, which once installed remains permanently in the pipeline. Trap shall be attached to the connector by two bolts to enable simple quick rapid installation and replacement. The connection is designed to allow installation on pipe work that is vertical, horizontal, or any angle in between. When specified, the connector shall be provided with integral "Y" pattern strainer with or with integral blowdown valve right hand or left hand pattern.



**Right hand strainer connector**



**Left hand strainer connector**

Strainer Connector Dimensions (inches)							
Model >	Right hand and left hand standard with 3/8" NPT plug			Right hand and left hand with blowdown valve			All strainer connectors
Size	A	B	C	A	B	C	E
1/2"	3.2	3.1	2.6	3.2	4.4	3.1	.8
3/4"	3.5	3.2	2.8	3.5	4.5	3.3	.8
1"	3.9	3.4	3.0	3.9	4.6	3.5	.8

Straight Connector Dimensions		
Size	A	B
1/2"	2.4	2.7
3/4"	2.8	2.7
1"	3.5	2.7

Trap dimensions from centerline of connector piping all type connectors (inches) and trap TI reference																
Model >	UTD52L		UTD52H		UTD52SL		UTD52SH		UFT32		UBP32		UIB30		UIB30H	
Size	D	G	D	G	D	G	D	G	D	F	D	F	D	F	D	F
1/2"	3.3	2.0	3.8	2.1	5.1	2.0	5.4	2.1	7.3	2.6	2.2	1.3	5.0	4.9	6.0	6.3
3/4"	3.3	1.8	3.8	1.9	5.1	1.8	5.4	1.9	7.3	2.4	2.6	1.3	4.9	4.9	6.0	6.3
1"	3.4	1.6	3.8	1.7	5.1	1.6	5.4	1.7	7.3	2.2	3.3	1.3	5.0	4.9	6.3	6.3
TI ref.	2.5161 US		2.5161 US		2.5161 US		2.5161 US		P146-02US		2.0008 US		2.412 US		2.412 US	
IM ref.	2.5161 US		2.5161 US		2.5161 US		2.5161 US		P146-01		P127-02		P113-02		P113-02	

TI-2-519-US 4.15