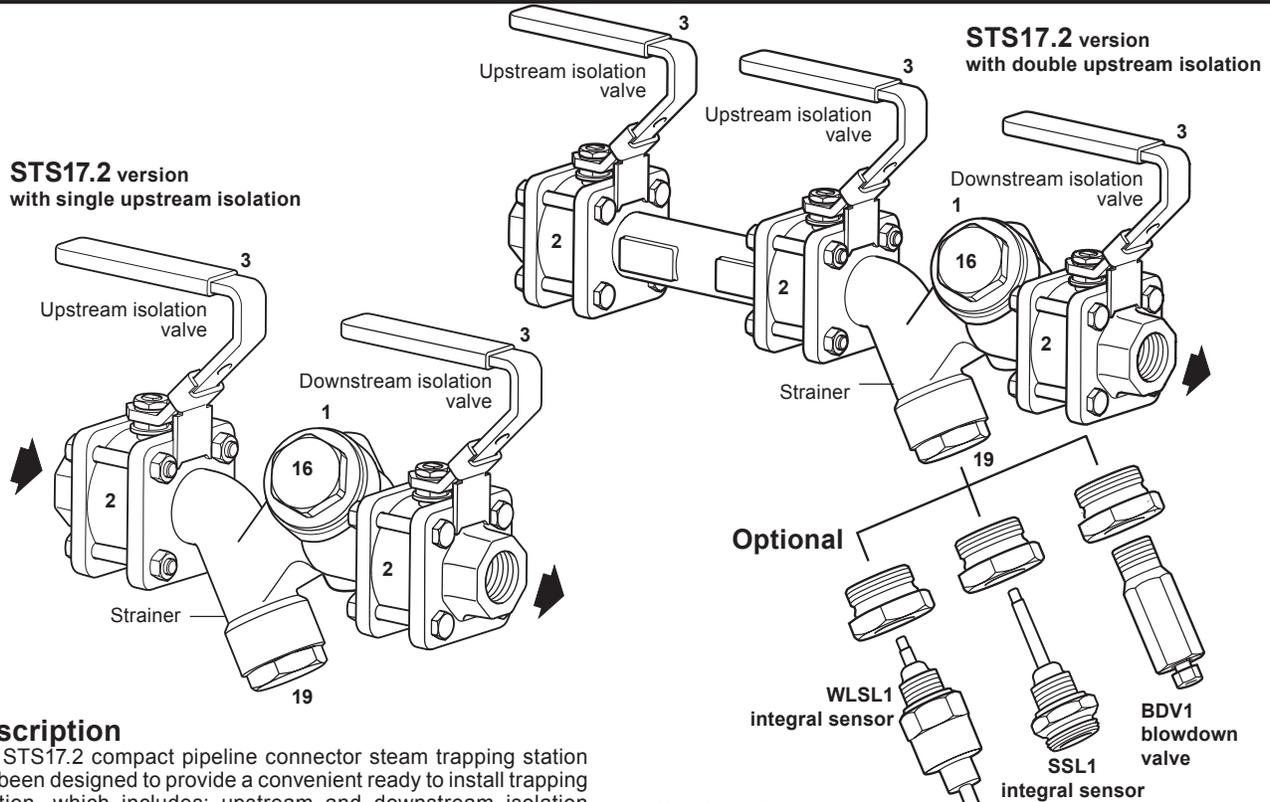




STS17.2 Stainless Steel Compact Pipeline Connector Steam Trapping Station



Description

The STS17.2 compact pipeline connector steam trapping station has been designed to provide a convenient ready to install trapping solution, which includes: upstream and downstream isolation valves (2), body incorporating universal connector + strainer (1) and check valve blanking plug (16).

Available types

The STS17.2 is available with either single or double upstream isolation.

The STS17.2 trapping solution incorporates Spirax Sarco universal connector, which allows speedy trap maintenance. The following swivel connector steam traps (sold separately) can be used with this pipeline connector enabling it to be tailored to suit any application:

- UTD52 thermodynamic steam traps.
- UFT32 ball float steam trap.
- UIB30 and UIB30H inverted bucket steam traps.
- UBP32 balanced pressure steam trap.
- USM bimetallic steam trap.

Standards

These products fully comply with the requirements of the European Pressure Equipment Directive 97/23/EC.

Certification

These products are available with certification to EN 10204 3.1. **Note:** All certification/inspection requirements must be stated at the time of order placement. For other certification contact Spirax Sarco.

Sizes and pipe connections

1/2", 3/4" and 1" screwed NPT or socket weld. (BSP optional)
1/2", 3/4" and 1" ASME 150 and ASME 300.
(DN15, DN20 and DN25 flanged EN 1092 PN40 optional)

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.

Optional extras

Integral sensor type SSL1 (steam only) or **WLSL1** (for waterlogging) for use with R1C or **WLSL1 with DIODE** for use with R16C are available as optional extras, to enable operational monitoring of the steam trap. **Please note** that the optional Spiratec **SSL1** and **WLSL1** sensors **must not be fitted when the STS17.2 is installed in a vertical application.**

BDV1 blowdown valve is also available for cleaning the strainer during operation. Care should be taken when using the BDV1 blowdown valve as the discharge may be hot. Please note that a BDV1 cannot be used when a Spiratec sensor has been chosen to be part of the unit.

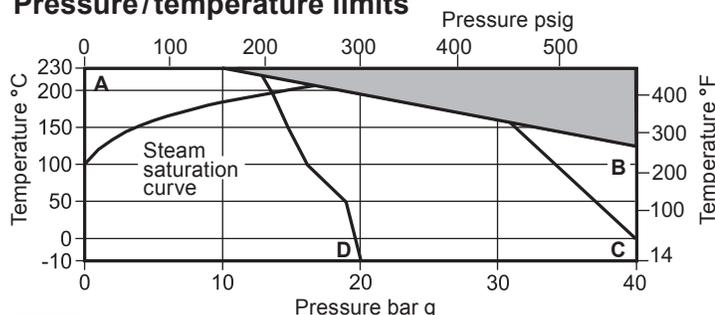
Retrofit double isolation valve and spool piece to convert a single upstream isolation version to double isolation.

Insulation jacket is available to reduce heat loss and energy wastage. See separate literature.

Materials

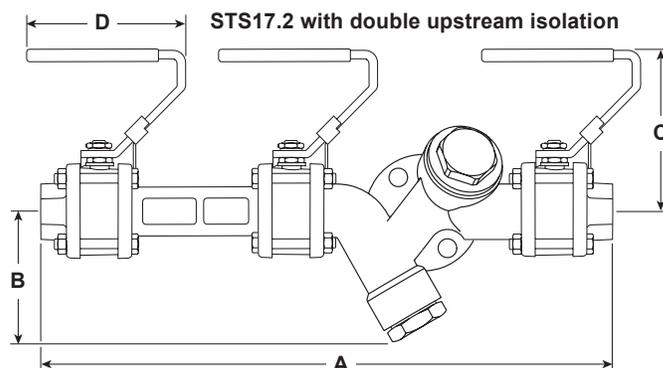
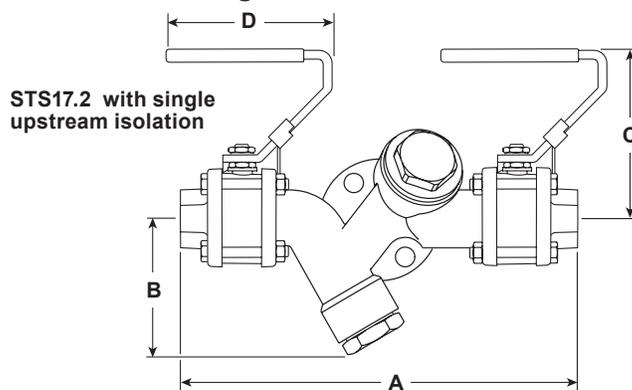
No.	Part	Material
1	Body	Stainless steel ASTM A351 Gr. CF8
2	Isolation ball valves	Stainless steel ASTM A182 F316L
3	Handle	Mild steel ENP coated
16	Check valve blanking plug	Stainless steel ASTM A276 431
19	Strainer cap	Stainless steel ASTM A582 416

Pressure/temperature limits



- The product **must not** be used in this region.
- A - B Flanged ASME Class 300, screwed and socket weld.
 - A - C Flanged EN 1092 PN40.
 - A - D Flanged ASME Class 150.

Dimensions/weights (approximate) in mm and kg



System design conditions		PN40	
PMA	Maximum allowable pressure	580 psi g @ 248°F	(40 bar g @ 120°C)
TMA	Maximum allowable temperature	446°F @ 145 psi g	(230°C @ 10 bar g)
Minimum allowable temperature		14°F	(-10°C)
PMO	Maximum operating pressure for saturated steam service	ASME 150	200 psi g (13.6 bar g)
		All other connections	254 psi g (17.5 bar g)
TMO	Maximum operating temperature	446°F @ 145 psi g	(230°C @ 10 bar g)
Minimum operating temperature		14°F	(-10°C)
Designed for a maximum cold hydraulic test pressure of:		870 psi g	(60 bar g)

Dimensions/weights (approximate) in inches and pounds

Isolation	Size and connection	Dimensions in inches (mm)				Weight lb (kg)
		A	B	C	D	
Single	1/2" NPT and 1/2" SW	8.7 (222)	3.0 (76)	3.7 (93)	3.5 (90)	7.9 (3.60)
Single	3/4" NPT	8.7 (222)	3.0 (76)	3.7 (93)	3.5 (90)	7.8 (3.53)
Single	3/4" SW	8.4 (213)	3.0 (76)	3.7 (93)	3.5 (90)	7.8 (8.54)
Single	1" NPT	9.0 (229)	3.0 (76)	3.7 (93)	3.5 (90)	8.2 (3.71)
Single	1" SW	10.6 (269)	3.0 (76)	3.7 (93)	3.5 (90)	8.5 (3.86)
Single	1/2" ANSI 150	10.6 (268)	3.0 (76)	3.7 (93)	3.5 (90)	9.8 (4.45)
Single	1/2" ANSI 300	11.6 (294)	3.0 (76)	3.7 (93)	3.5 (90)	11.0 (4.98)
Single	3/4" ANSI 150	10.7 (272)	3.0 (76)	3.7 (93)	3.5 (90)	10.3 (4.67)
Single	3/4" ANSI 300	12.1 (306)	3.0 (76)	3.7 (93)	3.5 (90)	13.2 (5.98)
Single	1" ANSI 150	10.7 (274)	3.0 (76)	3.7 (93)	3.5 (90)	10.9 (4.96)
Single	1" ANSI 300	12.2 (309)	3.0 (76)	3.7 (93)	3.5 (90)	14.6 (6.64)
Double	1/2" NPT and 1/2" SW	13.8 (350)	3.0 (76)	3.7 (93)	3.5 (90)	11.7 (5.32)
Double	3/4" NPT	13.8 (350)	3.0 (76)	3.7 (93)	3.5 (90)	11.6 (5.25)
Double	3/4" SW	13.4 (341)	3.0 (76)	3.7 (93)	3.5 (90)	11.6 (5.26)
Double	1" NPT	14.1 (357)	3.0 (76)	3.7 (93)	3.5 (90)	12.0 (5.43)
Double	1" SW	15.6 (397)	3.0 (76)	3.7 (93)	3.5 (90)	12.3 (5.58)
Double	1/2" ANSI 150	15.6 (396)	3.0 (76)	3.7 (93)	3.5 (90)	13.6 (6.17)
Double	1/2" ANSI 300	16.1 (422)	3.0 (76)	3.7 (93)	3.5 (90)	14.8 (6.70)
Double	3/4" ANSI 150	15.7 (400)	3.0 (76)	3.7 (93)	3.5 (90)	14.1 (6.39)
Double	3/4" ANSI 300	17.1 (434)	3.0 (76)	3.7 (93)	3.5 (90)	17.0 (7.70)
Double	1" ANSI 150	15.7 (399)	3.0 (76)	3.7 (93)	3.5 (90)	14.7 (6.68)
Double	1" ANSI 300	17.2 (437)	3.0 (76)	3.7 (93)	3.5 (90)	18.4 (8.36)

Spare parts

The spare parts are available as indicated below. No other parts are supplied as spares.

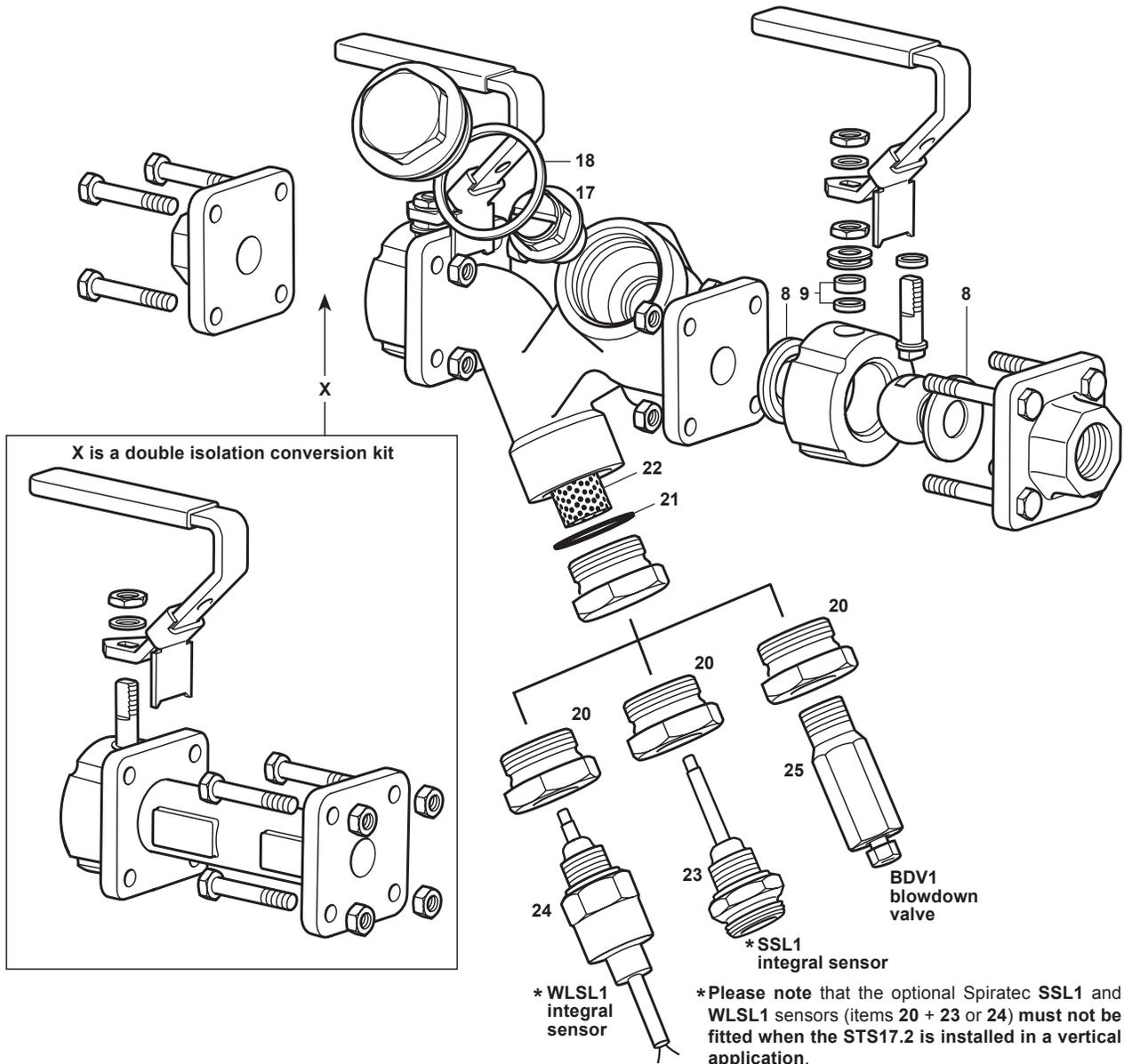
Available spares

Isolation ball valve seat and stem seals		8, 9
Strainer screen and gasket		21, 22
Spare sensor and sensor gasket	SSL1 Spiratec sensor	23
	WLSL1 diode waterlogging sensor	24
Spiratec retrofit kit	Note: State whether an SSL1 or WLSL1 sensor is required.	20, 21 + 23 or 24
Check valve assembly		17, 18
Double isolation conversion kit (includes spool piece and additional isolation valve)		X
BDV1 blowdown valve retrofit kit		20, 21 + 25

How to order spares

Always order spares using the description given in the column headed 'Available spares' and state the size and model number.

Example: 1 off Spare Spiratec sensor and sensor gasket with WLSL1 diode waterlogging sensor for a ½" STS17.2 compact pipeline connector steam trapping station.



Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-P128-23) supplied with the product.

How to order

Example: 1 off Spirax Sarco ½" screwed BSP STS17.2 stainless steel pipeline compact connector steam trapping station, having a Spiratec SSL1 sensor.

TI-P128-22-US 7.15