

Piping provides optimum energy transport

The TiSUN® philosophy that the whole system is only as good as the weakest link in the chain also holds true for our piping products. Our piping ensures efficient energy transfer from the collector to the corresponding solar components.



Double spiral piping connection and piping set for large collectors

The connection piping sets connect the collector and solar station and replace the HAS-11 to HAS-44 hydraulic connection sets. Stainless steel double spiral piping, insulated with PE film (removable), incl. sensor cable and threaded connection parts. Temperature range: max. +175 °C, fire resistance class B2, UV-stable.



For large collector

Set consists of: double spiral piping, sensor cable, threaded connection for large collector and solar station, immersion tube, dummy plug, attachment clamps.

Type	Spiral piping	Length	Collector connection	for solar station	Item No.
AVS 15/22S	DN15	15 m	Lge. coll.- 22 mm	SF 25/50, SSR 25/50, SSRH 25/50	1530008
AVS 20/22S	DN20	20 m	Lge. coll.- 22 mm	SF 25/50, SSR 25/50, SSRH 25/50	1530006
AVS 25/22S	DN25	20 m	Lge. coll.- 22 mm	SF 25/50, SSR 25/50, SSRH 25/50	1530007

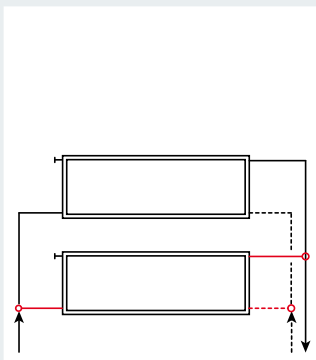


Note: Installation, connection, roof insertion and laying of connection piping set takes place on site!

For installation of FI collectors by TiSUN® installers: the connection piping set installation to be done on site must be performed before installing the metal covering! For installation of FA collectors by TiSUN® installers: the connection piping set installation to be done on site must be performed before installing the piping duct!

Expansion piping set for additional row of collectors, installed one above the other

The expansion piping sets (EVS) connect two collector arrays installed one above the other and must only be used with spiral piping (spiral piping set SVS or connection piping set AVS). Temperature range: max. +175 °C, fire resistance class B2, UV-stable.



For FM-S and FM-W module collector

Set consists of: 2x T-20, 2x KL20/18, 18 mm dummy plug, DN20 2.5 m stainless steel double spiral piping incl. separable insulation.

Type	Spiral piping	Length	Collector connection	Item No.
EVS-FM	DN20	2.5 m	FM- 18 mm	1510159

For FA, FI, FF large collector

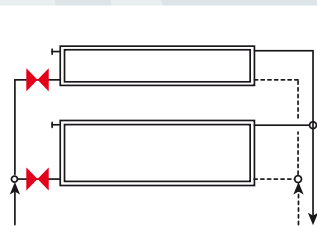
Set consists of: 2x T-25, 2x KL25/22, 22 mm dummy plug, DN25 2.5 m stainless steel double spiral piping incl. separable insulation.

EVS-GFK	DN25	2.5 m	Lge. coll.- 22 mm	1510160
----------------	------	-------	-------------------	----------------

PIPING

Line regulator valve with threaded connection for spiral pipe

High-temperature bypass Taco setter with threaded connection for regulating and shutting off collector arrays of different sizes. Operation with bypass viewing window to 130 °C/8 bar; with plugs (in scope of delivery) to 185 °C/10 bar. Fast regulation through direct reading of volume flow in l/min. Can be installed anywhere and needs no maintenance.



For FM module collector and FA, FI, FF large collector

Set consists of: 2 line regulator valves and 4 adapters to spiral pipe.

Type	Spiral pipe	Valve	Item No.
REG 20 2-12I	DN20	TCS 2-12 l/min	1520016
REG 25 10-40I	DN25	TCS10-40 l/min	1520018



Note: Install regulation set as far away as possible from the collector and with UV and weather protection.

Double spiral piping set for module collector

Consisting of: stainless steel double spiral piping, insulated with PE film (removable), with sensor cable, incl. threaded connection parts for collector connection and solar station with attachment clamps, max. +175 °C, fire resistance class B2, UV-stable.

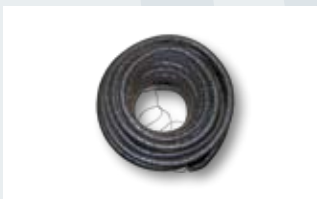


For FM module collector

Type	Designation	Pipe	Length	For solar station	Item No.
SVS 15/18S	DN 15	Cu 18	15 m	SF 25/50, SSR 25/50, SSRH 25/50	1510339
SVS 20/18S	DN 20	Cu 18	20 m	SF 25/50, SSR 25/50, SSRH 25/50	1510340

50 m double spiral piping incl. insulation

Consisting of: stainless steel double spiral piping, insulated with PE film (removable), incl. sensor cable, max. +175 °C, fire resistance class B2, UV-stable.



Type	Length	Designation	Item No.
W 15	50 m	DN 15	1510143
W 20	50 m	DN 20	1510144
W 25	50 m	DN 25	1510145

Double pipe clamp

Oval clamp for attachment of double spiral piping (incl. screws and wall plugs).



Type	Designation	Item No.
S 15	DN 15	1510156
S 20	DN 20 and DN 25	1510157

Female-thread adapter

Female-thread adapter on spiral pipe (incl. graphite seal to +450 °C).



Type	Designation	Item No.
UI 15/34	DN 15-3/4" female thread	1510121
UI 20/34	DN 20-3/4" female thread	1510122
UI 25/34	DN 25-3/4" female thread	1510124
UI 25/1	DN 25-1" female thread	1510123

Male-thread adapter

Male-thread adapter on spiral pipe (incl. graphite seal to +450 °C).



Type	Designation	Item No.
UA 15/34	DN 15-3/4" male thread	1510125
UA 20/34	DN 20-3/4" male thread	1510126
UA 25/34	DN 25-3/4" male thread	1510128
UA 25/1	DN 25-1" male thread	1510127

T-piece

T-piece for spiral pipe (incl. graphite seal to +450 °C).



Type	Designation	Item No.
T 15	DN 15	1510129
T 20	DN 20	1510130
T 25	DN 25	1510131

Coupling

Coupling for spiral pipe (incl. graphite seal to +450 °C).



Type	Designation	Item No.
K 15	DN 15	1510132
K 20	DN 20	1510133
K 25	DN 25	1510134

Adapter to cutting ring

For cutting ring threaded connection incl. seal.



Type	Designation	Item No.
KL 15/18	DN 15/18 mm	1510135
KL 15/22	DN 15/22 mm	1510139
KL 20/18	DN 20/18 mm	1510138
KL 20/22	DN 20/22 mm	1510136
KL 25/28	DN 25/28 mm	1510137

Adapter to solar station

For cutting ring threaded connection incl. seal.



Type	Designation	Item No.
US 20/22	DN 20/22 mm	1510161
US 25/28	DN 25/28 mm	1510305

PIPING

Transition angle from spiral pipe to cutting ring threaded connection for FA, FI, FF large collectors

Consisting of: 90° transition angle from spiral pipe to collector (cutting ring threaded connection) and graphite seal.



Type	Spiral pipe	Collector connection	Item No.
KLW 15/22	DN15	Lge. coll. - 22 mm	1510168
KLW 20/22	DN20	Lge. coll. - 22 mm	1510169
KLW 25/22	DN25	Lge. coll. - 22 mm	1510170

Replacement conical seal

Graphite seal to +450 °C.



Type	Spiral pipe	Item No.
E 15	DN 15	1510140
E 20	DN 20	1510141
E 25	DN 25	1510142

Reduction for 25/50 m² solar stations with 22 mm connections

Connection set consisting of 4 pieces of 22 to 28 mm reduction cutting ring threaded connection with support sleeves for 28 mm copper pipe.



Type	Connection	Designation	Item No.
US 22S/28S	22 mm, 28 mm	Reduction threaded connection 22/28	1510342