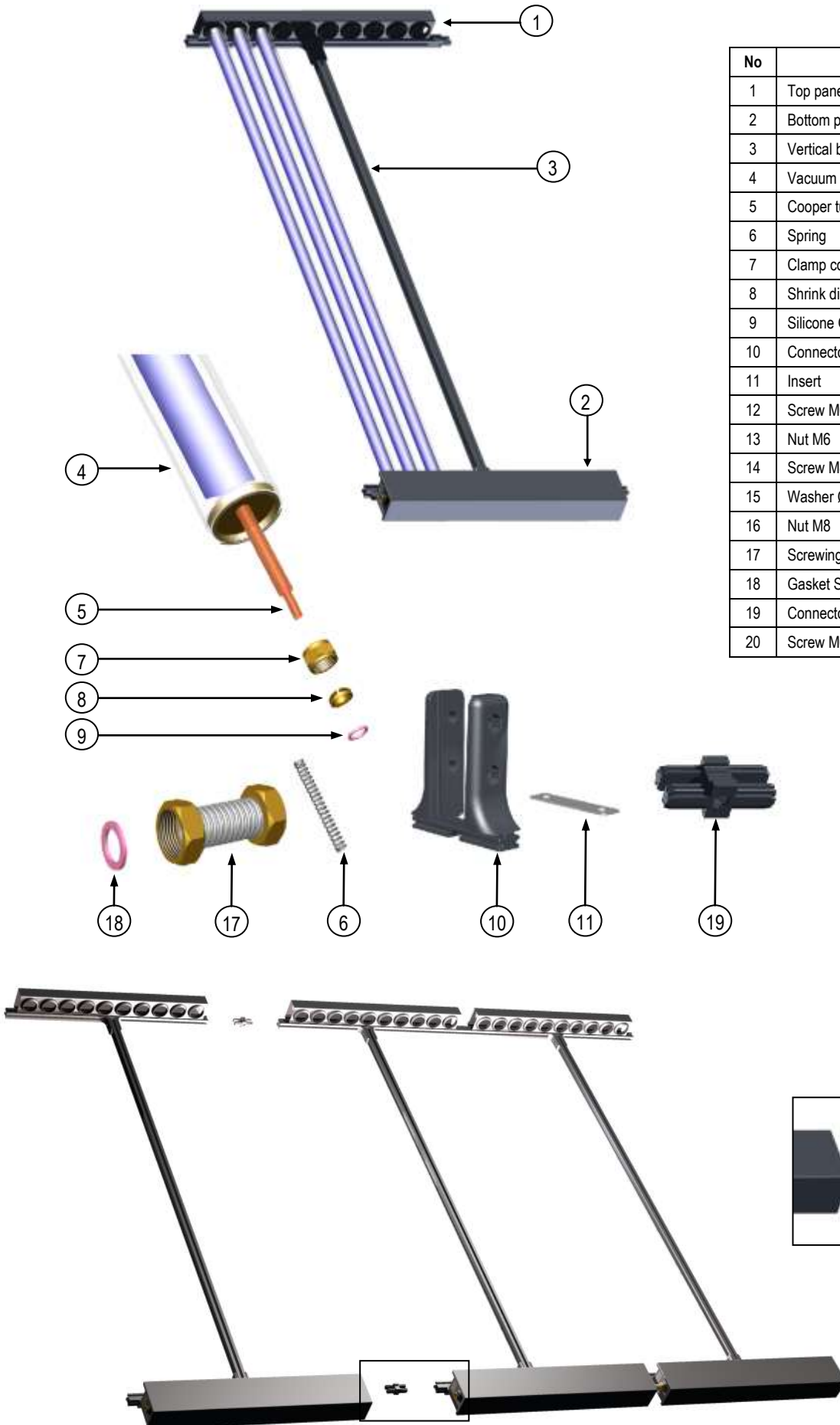


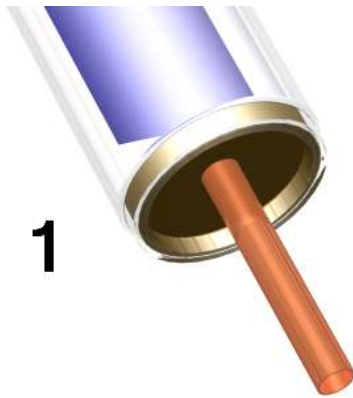
## KSR10 COLLECTOR ASSEMBLY INSTRUCTIONS.



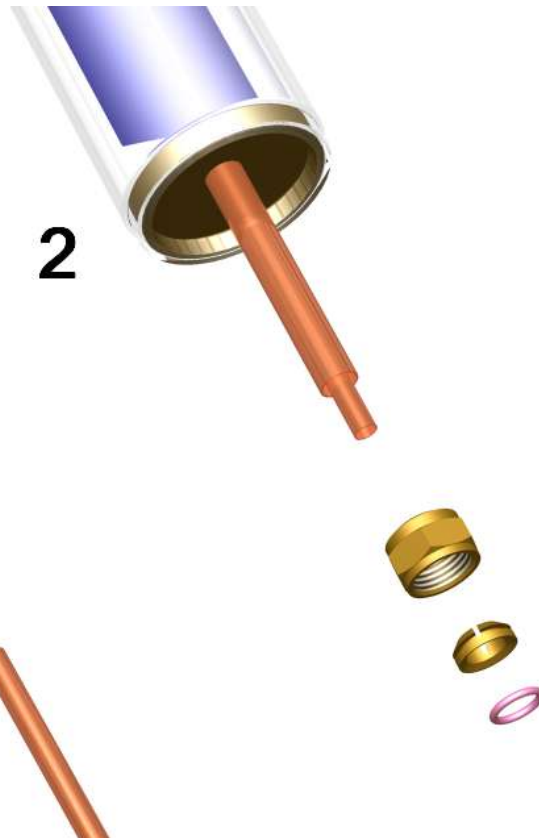
No	Name	Mount
1	Top panel	1
2	Bottom panel	1
3	Vertical bar	1
4	Vacuum tube	10
5	Cooper tube Ø6 x1980	10
6	Spring	10
7	Clamp connector nut 3/8"	10
8	Shrink disc	10
9	Silicone O-ring (red)	10
10	Connector	2
11	Insert	2
12	Screw M6x40	4
13	Nut M6	6
14	Screw M8x16	4
15	Washer Ø8	4
16	Nut M8	4
17	Screwing KS 3/4"	1
18	Gasket S 24/18	2
19	Connector	4
20	Screw M6x20	2

## Preparation of the vacuum tube to be encased in the KSR10 solar collector

### Stage 1



### Stage 2



1. Insert a spring and a copper pipe  $\varnothing 6$  mm into each vacuum tube supplied.
2. Next, on the ending of the  $\varnothing 10$  mm vacuum pipe, place the elements of the connector clamp, in the order and position as shown in the picture.

**The assembly of an additional KSR10 collector should be done similarly to the assembly of 2xKSR10 collectors.**

### Steps of the assembly:

1. Slide two inserts (11) together with screws (14) into the vertical bars (3).
2. Attach the top panels (1) and the bottom panels (2) to the vertical bars (3) with the use screws (12) and nuts (13). Attach the connectors (10) to the bars top and bottom panel (1, 2). The spacing between the vertical bars (3) for vacuum collectors should be about 0,9 m.
3. Connect the top panel (1) and the bottom panel (2) with the panels 2xKSR10 collector using connectors (19), screws (20), and nuts (13).
4. Remove the covers from the bottom panel (1) with insulation.
5. Install the vacuum tubes (4) with spring (6) and Copper tube  $\varnothing 6$  x1980 (5).
6. After checking the installation's air-tightness put the insulation and covers of the bottom panels (2) back on.

**ATTENTION!!! Checking the correct functioning of the installation can be done after its exact venting, which can be done using a turbine-driven pump only, with a lift height of at least 20 m and efficiency of 2,5 m<sup>3</sup>/h.**