

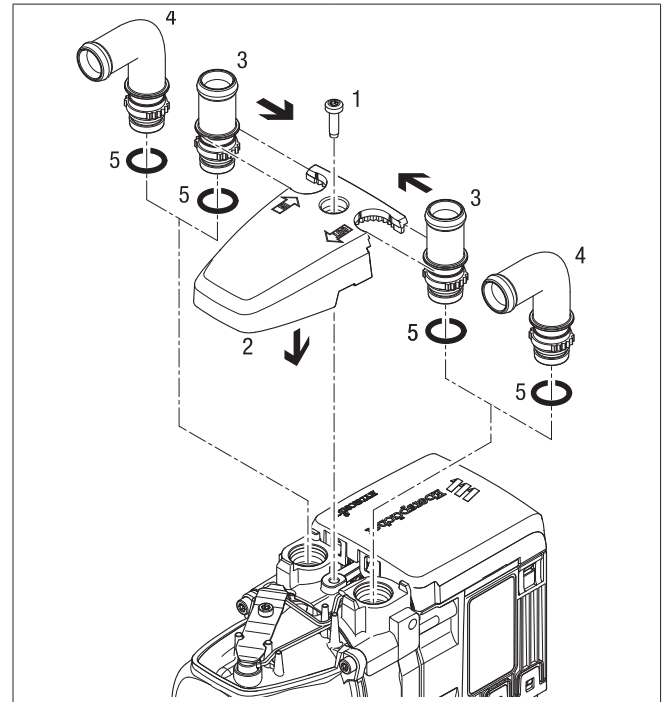
Eberspächer S3 CS

1. Furnace assembly

You receive the S3 with straight barbs pre-assembled.

Angled barbs are available upon request.

Also pre-installed is a fuel line adapter for 1/8" fuel hose.



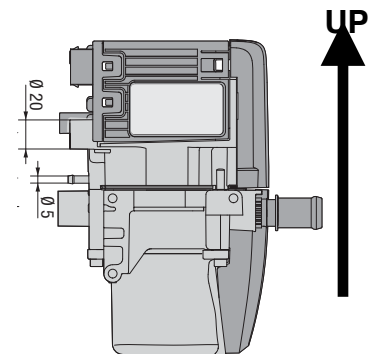
2. Furnace mounting orientation

Where many orientations are allowed, we strongly recommend to mount the furnaces vertically.

Note: One bolt holds the furnace to its mounting bracket. The holes in the furnace are not threaded. The bolt will cut the threads.

There is no need for special tools.

We recommend to pre-fit the bracket to the furnace on the bench. Install the bolt, thereby cutting the threads. Use that assembly to mark your holes for the bracket at the mounting location. Separate the bracket from the furnace and install.



3. Fuel Pump

Note: The electrical plug on the S3 fuel pumps is now on the input side.

Take note of the required upward angle and permissible distance:

Do not exceed these !!

Make use of the WIFI

Diagnostic tool's

“Fuel Pump Prime” function:

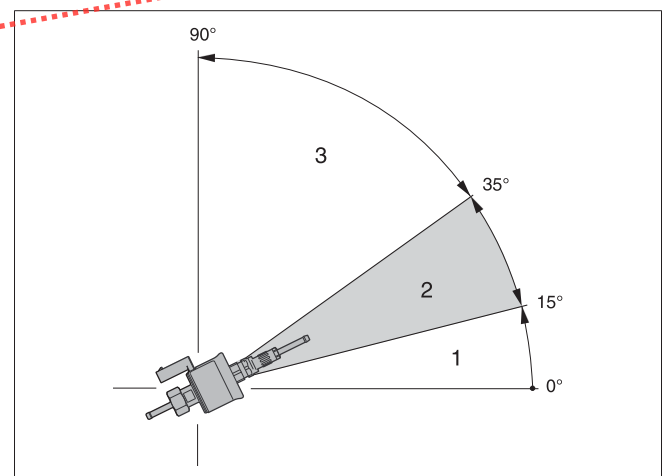
When the fuel line is installed, leave the hose off the furnace and put it into a container (empty water bottle, etc.)

Then use the prime function until fuel comes out of the hose. Then install the primed hose on the furnace.

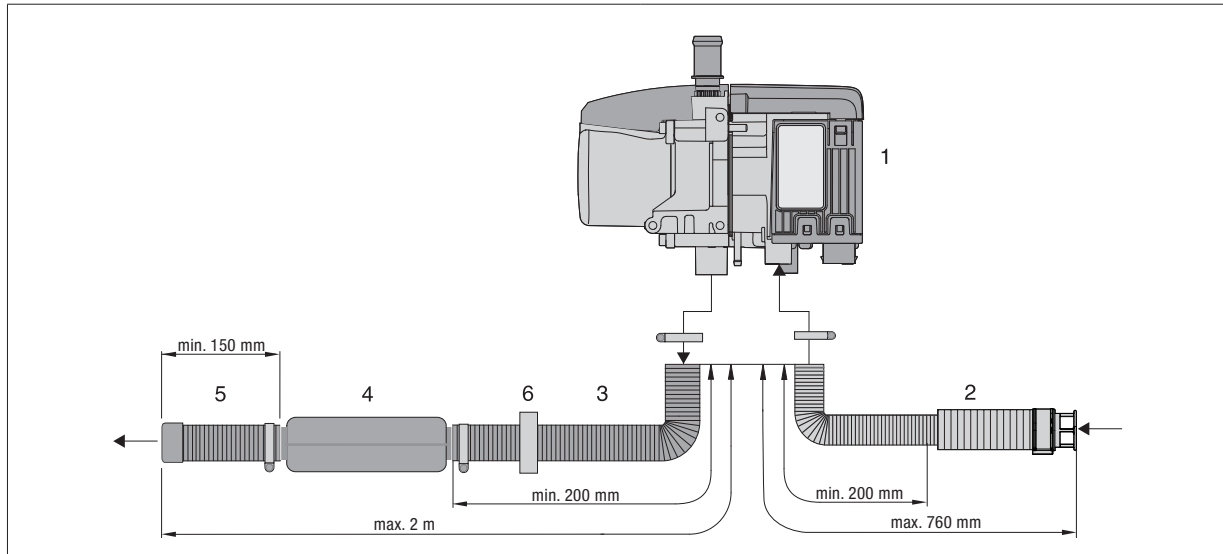
Permissible line lengths

Intake side: a = max. 2 m

Pressure side: b = max. 6 m



4. Exhaust



5. Water pump

The furnace has been programmed to run without water pump. Water pump control is given to the Rixen controller. The water pump connector on the furnace is covered by a rubber cap.

The preferred position for the pump is 'hanging' under the tank (aka Comfort Hot). This insures that gravity feeds only fluid (no air bubbles) to the pump. The pump can push, but it can not 'pull' the fluid to the pump.

The pump should NOT be installed outside.

The Rixen BWO 355 has a knob for speed control. Use the max. speed (#5) to fill the system and push all air bubbles out of the loop. With the system free of air, the recommended speed setting for normal operation is ~3.9. The knob has a stop at #4. Coming from #5 turn the dial counter clockwise til you feel the stop, overcome the stop and leave the dial just 'under' the stop. This is what we call 3.9.

Positioning:

