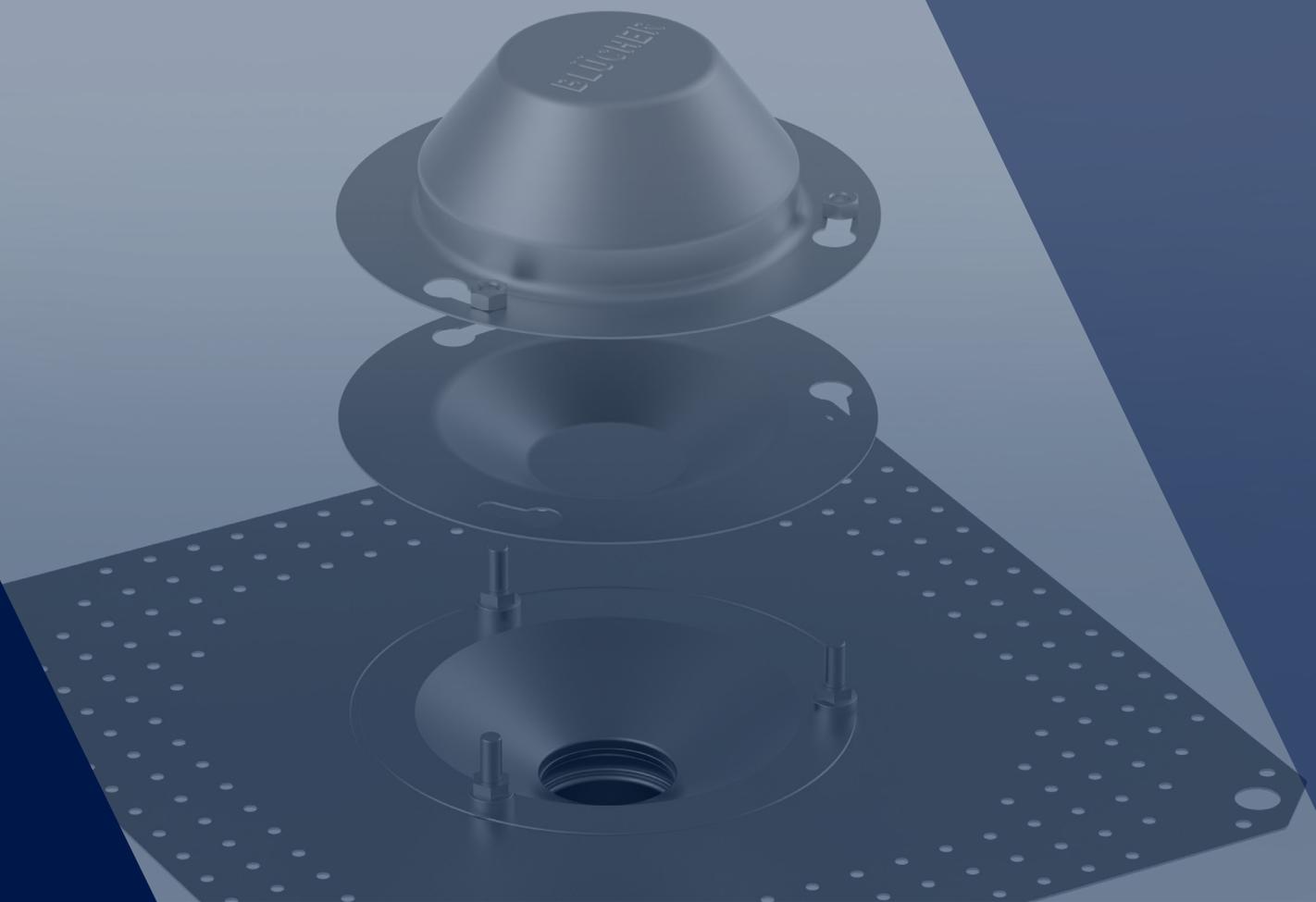


BLÜCHER® Siphonic Roof Drainage

Installation Instructions



BLÜCHER®

A **WATTS** Brand

INSTALLATION INSTRUCTIONS

BLÜCHER® Siphonic Roof

Siphonic roof drainage with BLÜCHER® EuroPipe stainless steel drainage pipework system

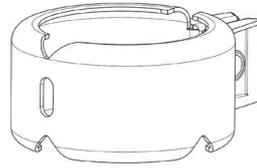
Roof drains for siphonic system

Available with or without pre-mounted bitumen collar or with clamping flange for single-ply membrane.

Please note that for drains for single-ply membrane, sealing rings are to be ordered separately for PVC/EPDM/TFO/TPO. Using the wrong sealing ring may cause damage to the roof.

Pipework for siphonic system

Owing to its high level of stability, BLÜCHER® EuroPipe is suitable for siphonic roof drainage systems without requiring any modifications or adjustments. To ensure that the installation complies with all applicable legal requirements, all national regulations (e.g. DS 432) must be observed at all times.



Pipe joint clamp

Top to be positioned towards the spigot end, bottom to be positioned towards the socket.

In addition, the following should be observed:

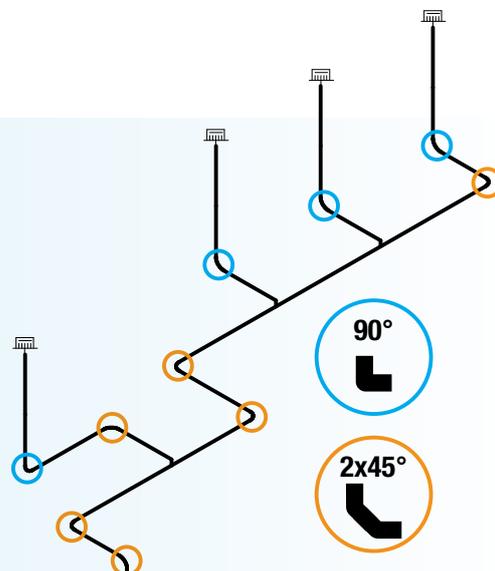
- Horizontal pipelines to be made without reverse slopes or sagging
- All socket joints to be secured against unintended opening by means of BLÜCHER® pipe joint clamps
- For cutting of pipe lengths, we recommend using BLÜCHER® EuroPipe pipe cutter or another pipe cutter with cutting discs
- Distance between pipe hangers in horizontal pipe runs according to the table on the opposite page
- To ensure full functionality, all isometric diagrams must be fully complied with. Any necessary adjustments or deviations to be agreed with BLÜCHER.

Use of pipe joint clamps

We recommend that all socket joints are secured by means of pipe joint clamps. Position the pipe joint clamp with two V-cutouts pointing towards the socket end and one V-cutout pointing towards the spigot end.

In pipe installations, use traditional 90° bends between drain and main pipe run and on the main pipe run until other drainage connection on the main pipe run.

After this, use 2 pcs. 45° bends on the remaining main pipe run as shown to the right.



Recommended distance between pipe hangers (center to center)	
Pipe dimension	100% filled
40 mm	3,0 m
50 mm	3,0 m
75 mm	3,0 m
82 mm	3,0 m
110 mm	3,0 m
125 mm	3,0 m
160 mm	3,0 m
200 mm	3,0 m
250 mm	2,5 m
315 mm	2,5 m

BLÜCHER® EuroPipe - weight per meter [kg/m]	
Pipe size [mm]	Straight pipe 100% filled with water
40	2,10
50	3,08
75	6,11
82	7,14
110	12,02
125	15,14
160	24,76
200	38,54
250	58,17

Leakage testing

Leakage testing of roof drainage systems should be carried out in accordance with applicable national legislation.

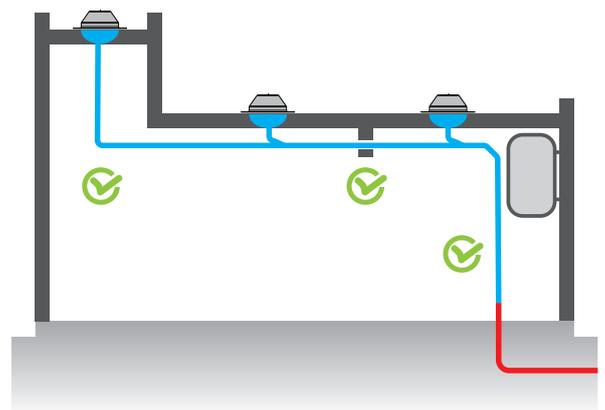
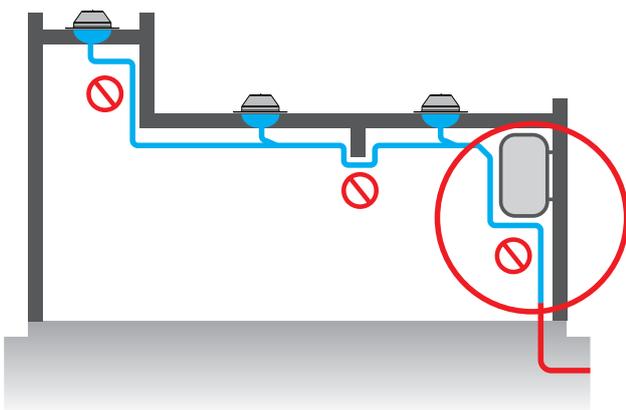
Unless otherwise prescribed, leakage testing can be carried out by means of plugs to break the vacuum. This can be done for instance with a ball, or in buildings of less than 5 m height alternatively by plugging an access pipe at floor level.

Similarly, plug all roof drains but one by means of a ball or a plug. Then fit 1 m pipe in the last drain (remember to place a sealing ring in the

socket groove of the drain). Fill water onto the system, and after a short wait any air pockets will be gone. Add more water to ensure a minimum pressure of 0,1 bar.

Run the leakage test for 30 minutes, and then inspect for visible leakages.

In buildings of more than 5 m height the leakage testing should be divided into several levels to ensure that the maximum pressure remains below 0,5 bar (5 m water column height).



BLÜCHER® Drain

BLÜCHER® Channel

BLÜCHER® EuroPipe

BLÜCHER®

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