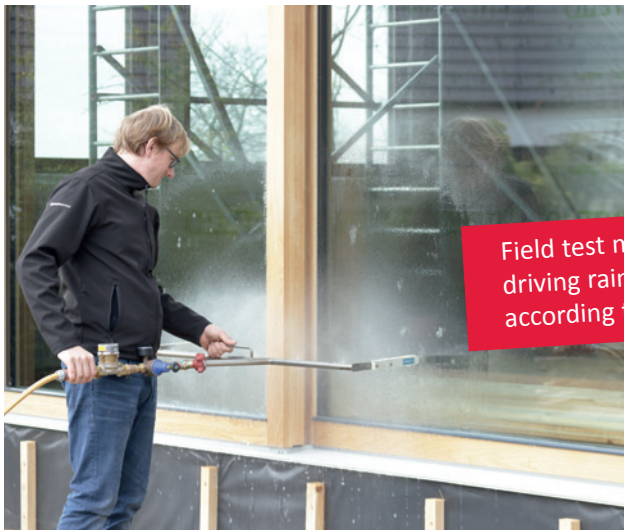


SPRAY BAR

This robust spraying system has been developed for mobile use at construction sites and creates a steady, closed film of water to simulate driving rain on building envelopes.



Field test measuring driving rain impermeability according to EN 13051



The SPRAY BAR helps you to detect larger leakages in curtain walls according to European Standard EN 13051 and can be used for testing the water tightness of windows, French doors, as well as external doors including all exterior components.

The measuring principle

The portable SPRAY BAR is held at a 90-degree angle and a distance of 250 mm to the outside surface of the curtain facade. The axes of the water spray curtain originating from the nozzles must be positioned horizontal to and for vertical facade at a 90-degree angle to the area tested. You test from top to bottom.

For the duration of 30 minutes, a consistent flow rate of 5 l/min per meter of length of the water spray bar ($\pm 10\%$) must be assured, i.e. the sprayed outside surface of the tested object must be exposed to a constant film of water. In case of water ingress, you must write down the time and place, and mark the penetration on the facade. By sliding blotting paper over the tested object, even the smallest leakages are quickly detected. Annex A of EN 13051 regulates how to proceed in case of water entry into the tested object.



Ideally, the measurement should be conducted in combination with a Minneapolis BlowerDoor measuring system like BlowerDoor Standard or BlowerDoor Mini-Fan. Negative pressure tests are particularly suited to detect even small leakages. The tests can be further supported by using a thermal-imaging camera. For easy transport, the portable SPRAY BAR system comes in a robust case with wheels.



Technical Data

Flow rate: 5 l / min / lfm

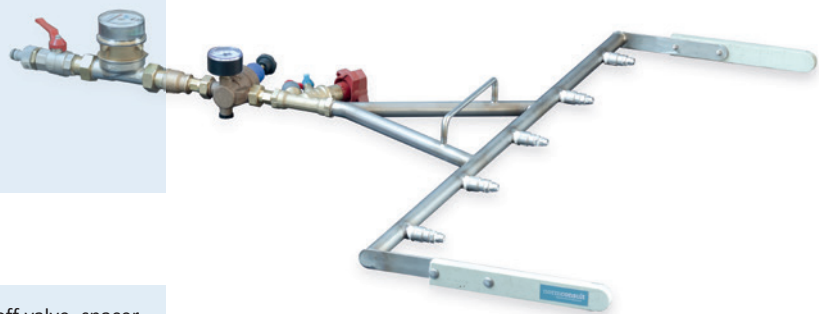
Pressure: 2–3 bar

Spraying system: 5 full-cone nozzles

Basic model: Stainless steel

Dimensions: 100 × 100 × 20 cm (L × W × H)

Gewicht: 5 kg



Scope of delivery

Calibrated water meter, pressure controller, shut-off valve, spacer, instructions for the accreditation according to EN-ISO 17025, transport case (PVC, black) with wheels, dimensions: 114 × 42 × 15 cm (L × W × H)

Upon request, the system can be extended by: 2 to 5 nozzles, 1/4" water connection, water filter, holding system, supply-line adapter