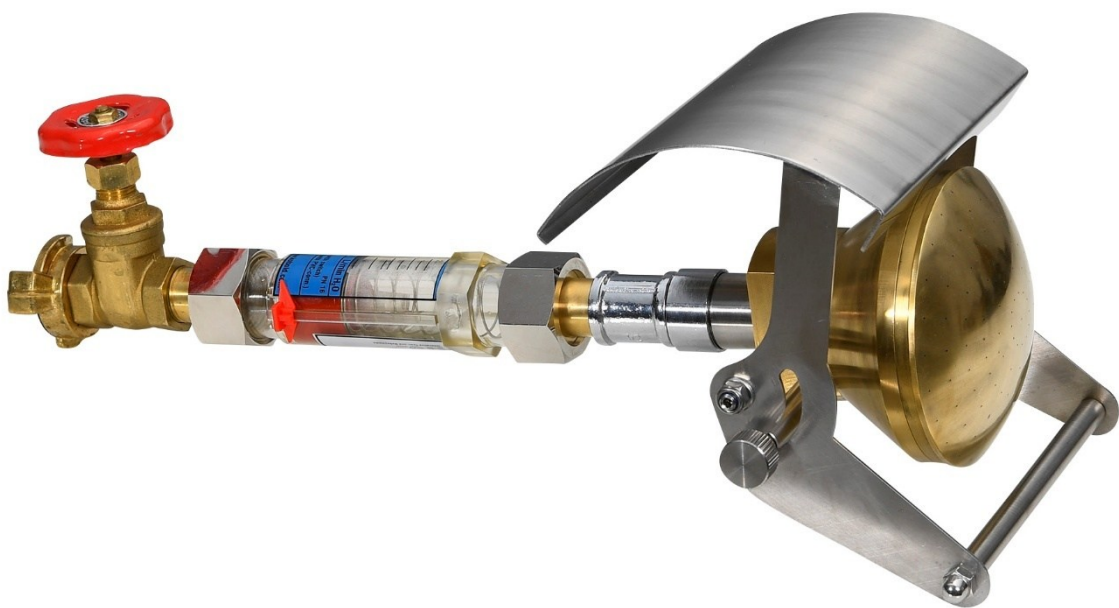


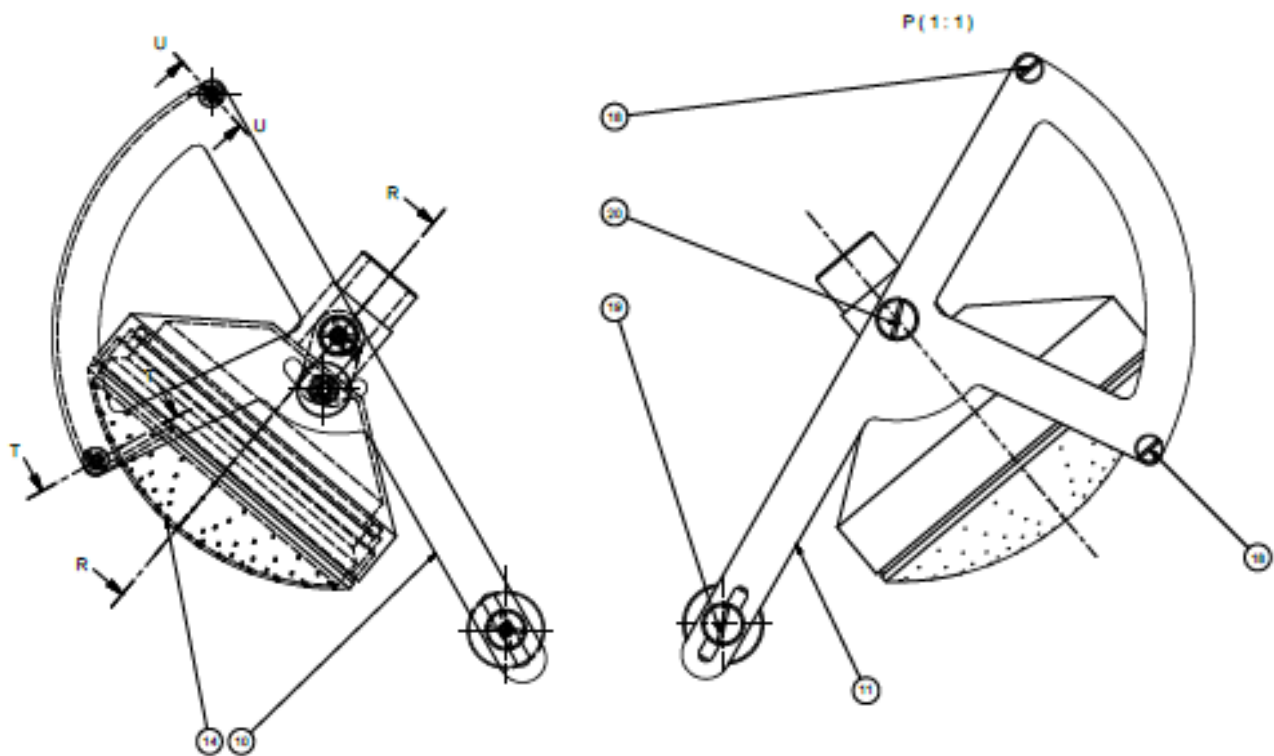
SPRAY NOZZLE FOR IPX3 / IPX4



FULFILLED STANDARDS AND REGULATIONS - SPRAY NOZZLE

The spray nozzle enables standard-compliant testing of "electrical equipment inside an enclosure" against effects of water ingress. The following standards and specifications for the IPX3/X4 "spray water and splash water" range can be met.

Standards	Standard	Optional	Option
IEC 60529:1989 + A1:1999 + A2:2013	x		
ISO 20653	x		



Standardised illustration of the spray nozzle without flow meter

STANDARD SCOPE OF DELIVERY - SPRAY NOZZLE

Spray nozzle

- The shower head has a diameter of 102 mm, the curvature of the shower head has a radius of 75.5 mm. The shower head contains 121 openings with a diameter of 0.5 mm.
- The shower head can be dismantled for cleaning (e.g. for descaling).
- A movable cover with counterweight is mounted on the shower head. In accordance with the standards, this cover covers all jets that deviate from the vertical by more than 60°.
- The water flow rate is recorded and displayed by a flow meter (measuring range from 0 - 12 l/min). The flow rate can be adjusted using the throttle valve, which also serves as a shut-off valve.
- The hose for the water supply is connected via a GEKA coupling (NW 1/2"). The scope of delivery includes 3 metres of hose and 2 GEKA couplings.
- During the actual IP test, the operator guides the spray nozzle over the DUT to test it with spray/splash water.

GENERAL ON-SITE REQUIREMENTS - SPRAY NOZZLE

Climatic installation conditions	spray nozzle
Ambient temperature [°C]	10 - 30
Relative humidity max. [%] - non-condensing)	70

Water supply	spray nozzle
Water quality	City water with a minimum conductivity of 30 µS/cm
Water filter (customer supplied) Micronage [µm]	100
Water pressure [bar]	2
Removable water volume [l/min]	20
Max. water hardness [dH]	5

- **Note:** The test water should never exceed a water hardness of 6°dH. We recommend the use of demineralised water or a water softener.

REMARK

We reserve the right to make design and technical changes in the interests of further technical development.
This applies to the entire technical description.

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2025	New creation	13.03.2025	CM