Spray Nozzle

for the test of water protection to prove the degree of protection with the second code number:
3 „Protected against spraying water“ and 4 „Protected against splashing water“.

According to
IEC 60529:2001-02 § 14.1 Table VIII, Fig. 5
DIN 40050-9:1993-05 § 7.4 Table 8, Fig. 5
DIN EN 60529
VDE 0470-1:2000-09 § 14.1 Table 8, Fig. 5

MP-P05.24

Construction of the Spray Nozzle

The shower head is made of nickel-plated brass. The 121 openings of ø 0.5 mm are arranged according to Fig. 5* of IEC 60529 (see reverse). It is screwed onto the stainless steel body so that the spray head can be disassembled for cleaning and descaling.

The flow indicator (instead of a pressure gauge) in the housing section works on the principle of the variable annular gap: a float with a defined orifice moves over a conically tapering mandrel.

The greater the flow, the further the float is moved. The counterforce is applied by a spring, therefore the indication is practically independent of position.

A black ring on the spring-loaded float serves as the pointer.

The red mark on the glass tube indicates the nominal flow rate. The two black marks serve as an aid for judging the deviation. They indicate deviations of about ± 10 % from the nominal flow rate.

The valve is used to shut off and adjust the flow. The handpiece has a thermal insulating coating, this is to keep the cold of the water away from the operator‘s hand.

The movable shield is made of stainless steel for better durability.

The counterweight is adjusted to shield all jets that deviate more than 60° from vertical, regardless of the direction of the spray. For IPX4 testing, the cover can be removed or fixed so that it does not obstruct the water jets.

Technical Data

General Data

Width x depth x height (open)	ca. 160 x 395 x 175 mm
Width x depth x height (closed)	ca. 160 x 415 x 130 mm
Weight	ca. 3100 g

Degree of protection	moving shield	prescribed water flow
IPX3	in place	10 l/min
IPX4	removed or fixed	10 l/min

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