

IEC 60529 IPX3 IPX4 Hand-held Spray Nozzle



Introduction:

It's strictly designed according to IEC60529 Figure 5, Used to test the waterproof performance of appliance and electric appliance with the rain protection function.

Application:

The IPX3 IPX4 Hand-held Spray Nozzle to verify protection against spraying and splashing water. The water pressure can be adjusted using the flow control knob on the device to give the required flow rate.

The pressure can be seen on the gauge which is convenient positioned by the Spray Tester IPX3/4. The removable shield feature make it easy to test without the interference of the shield.

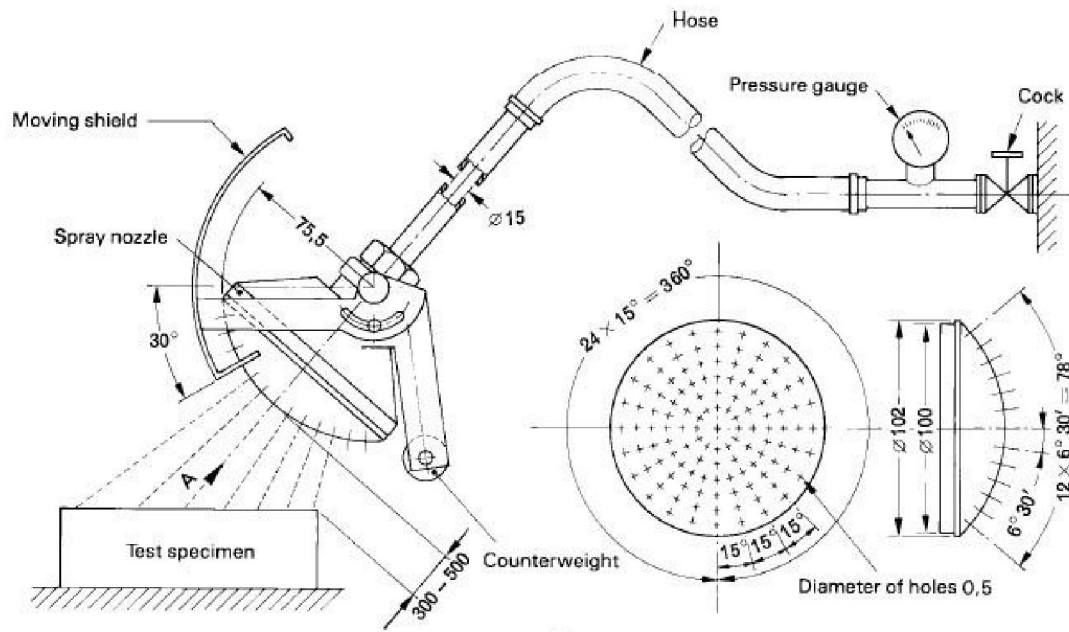
Hand-held Spray Nozzle is designed to perform tests in small scale products. The Hand-held Spray Nozzle is an alternative to the Oscillating Tube for establishing the degree of protection against ingress water.

The IPX3 IPX4 Hand-held Spray Nozzle intended for use on specimens that will not fit within the diameter of the Oscillating Tube Tester.

The difference between IPX3 and IPX4 is that the baffle should be removed in the IPX4 test.

**Specifications:**

No.	Item	Parameter
1	Water supply	Water flow rate is 0.05 ~ 0.15 Mpa clean water without inclusion.
2	Spray nozzle parameters	External diameter: $\Phi 102$ mm spherical diameter: $S\Phi 75.5$ mm There is a middle hole and There are 24 holes in the internal circle of holes of which the included angle is 30° . There are 96 holes in the external circle of holes of which the included angle is 15° . 121 holes in total. The hole diameter: $\Phi 0.5$ mm It is made of brass.
3	Water flow	10L/min $\pm 5\%$
4	Reference	IEC60529 IPX3 IPX4.
5	Baffle	Removable
6	Pressure gauge	0~0.25MPa
7	Site requirements	Dedicated IP waterproof test room, The ground should be flat with illumination, With good function of inflow and drainage.



Viewed according to arrow A (with shield removed)

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Dimensions in millimetres

- 121 holes of $\varnothing 0,5$;
- 1 hole at the centre
- 1 inner circles of 12 holes at 30° pitch
- 4 outer circles of 24 holes at 15° pitch
- Moving shield – Aluminium
- Spray nozzle – Brass

Figure 5 – Hand-held device to verify protection against spraying and splashing water; second characteristic numerals 3 and 4 (spray nozzle)

