

IEC 60529 IPX3/IPX4 Spray Nozzle

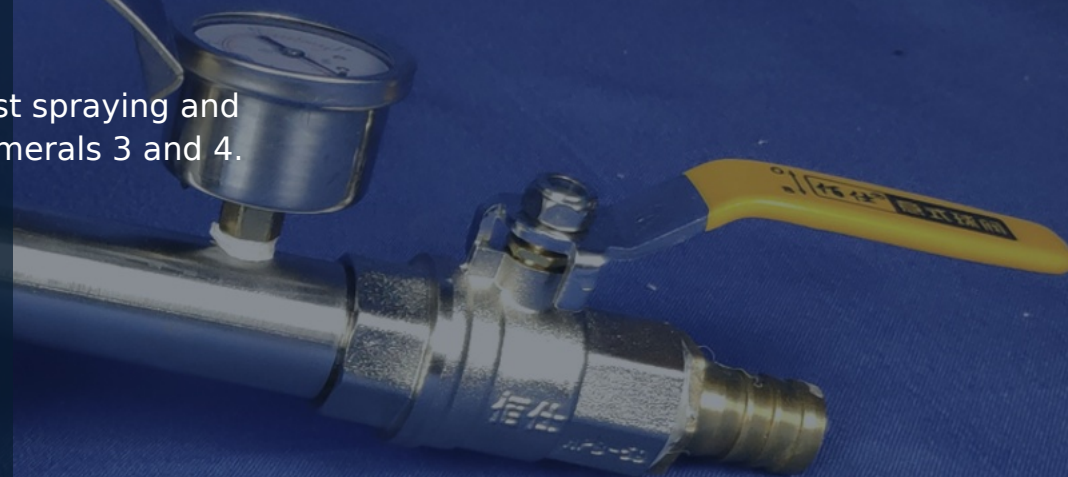
Hand-held spray nozzle for verification of protection against spraying and splashing water under IEC 60529 second characteristic numerals 3 and 4.

IEC 60529

IPX3 / IPX4

Spray Nozzle

Hand-held Device



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Product Overview



Standard-Related Spray Nozzle

The nozzle is used when the standard-related hand-held spray nozzle method is required for IPX3 and IPX4 water ingress protection verification.

Product Overview

The IEC 60529 IPX3/IPX4 Spray Nozzle is a compact hand-held water spray device used to verify protection against spraying and splashing water. It is suitable for product manufacturers, in-house laboratories and third-party testing organizations that need a nozzle accessory rather than a complete automatic IPX3/IPX4 test system.

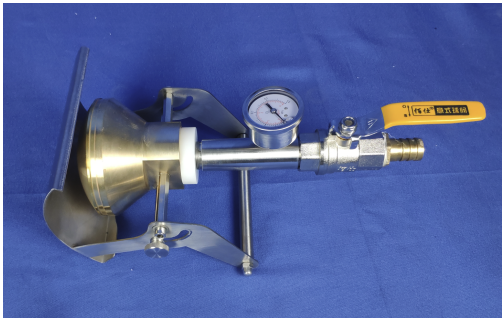
Standard	IEC 60529
IP rating	IPX3 / IPX4
Product type	Hand-held spray nozzle accessory
Main use	Spraying and splashing water protection verification
Main materials	Brass spray nozzle; aluminium moving shield
Quoted scope	Spray nozzle assembly with pipe and hose clamps
Documentation	Datasheet and calibration certificate support as quoted

Technical Parameters

Spray Nozzle Configuration

Parameter	Specification	Remark or Notes
Applicable Standard	IEC 60529	Second characteristic numerals 3 and 4
Test Use	Spraying and splashing water protection verification	IPX3 / IPX4
Spray Holes	121 holes	Complete standard-related hole pattern
Hole Diameter	0.5 mm	According to quoted nozzle specification
Center Hole	1 hole at the center	Central spray point
Inner Circle	12 holes at 30° pitch	1 inner circle
Outer Circles	4 circles of 24 holes at 15° pitch	Outer spray pattern
Moving Shield	Aluminium	Adjustable shield for spray setup
Spray Nozzle	Brass	Quoted nozzle body material
Accessories	Pipe and hose clamps	Included in quoted scope

Product Photos



Testing Notes and Applications

Testing Principle

The spray nozzle provides a defined spray pattern for IPX3/IPX4 water ingress verification. During testing, the sample position, nozzle distance, water supply condition and test duration should follow IEC 60529 and the applicable laboratory procedure.

Common Error Mitigation

- 1 Confirm the project needs IPX3/IPX4 spray nozzle testing rather than a complete automatic test system.
- 2 Check that all spray holes are clean and unobstructed before use.
- 3 Confirm whether calibration certificate or dimensional inspection document is required.
- 4 If water supply unit, control cabinet or turntable is needed, confirm it separately before quotation.

Please Provide for Configuration Review

Required item	Spray nozzle only / complete IPX3-IPX4 test system
Applicable standard	IEC 60529 or customer internal procedure
Documentation	Datasheet only / calibration certificate / inspection document
Shipping scope	Separate shipment or combined with other quoted items
Additional system needs	Water supply unit, flow control, chamber, turntable or customized fixture if applicable

The Core Value We Deliver

For standard-related water ingress test accessories, the key value is correct nozzle geometry, clear quoted scope and reliable documentation support. KingPo helps customers select the right accessory or complete system according to the test requirement.