PRÜFEINRICHTUNGEN TEST EQUIPMENT
PTL Dr. Grabenhorst GmbH
DE-95343 Stadtsteinach P.O. BOX 12 53

PTL - Water Jet Hose Nozzle

for checking the protection against water to prove the degrees of protection **IPX5** "Protected against water jets" or **IPX6** "Protected against powerful water jets"

according to **IEC 60529** :2001-02 § 14.1 Tab. VIII, Fig. 6.

Standard outfit:

1 nozzle element with knurling, with O-ring for sealing,
1 body with flow meter almost independent from position, details see below,
1 handle, internal diameter approx. 16 mm, with thermally insulating cover,
1 flow control and stop valve with hand wheel to adjust the water flow, with hose connection,
1 hose, nominal width 19 mm (3/4"), 5 m long, with 2 hose clamps.

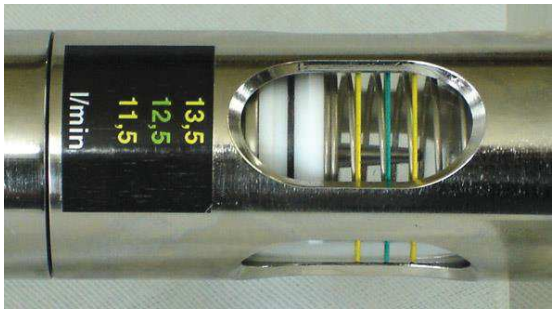
Design:

Nozzle element, body and tube within the handle of stainless steel, valve nickel-plated,

Nozzle diameter:	Degree of protection:	Measuring range of flow meter:	Article No.
6,3 mm	IPX5	11,5 – 12,5 – 13,5 l/min	P 03.26
12,5 mm	IPX6	90 - 100 - 110 l/min	P 03.28

Flow meter:

The flow meter is a „gap meter“, working according to the principle of a variable area flow meter: A float with defined aperture is moving along a tapered pin. The higher the flow rate, the farther the float is moved. The counterforce is caused by a spring. For that the indication is almost independent from the position of the hose nozzle.



A black ring at the spring loaded float serves as a pointer. The green mark on the glass tube shows the nominal flow rate. The two yellow marks serve as aid to gauge the value of deviation. They are indicating values of approx. ± 10 % of the nominal flow rate.

Turntables and Telescope Supports

for supporting the specimens to determine the protection against water: *see prospectus P 17*

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