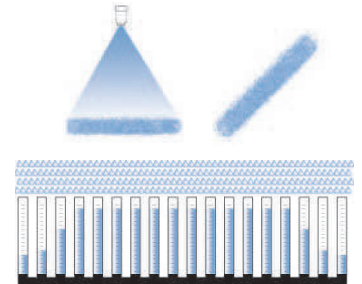


HIGH IMPACT NOZZLE TIPS, MICRO-SIZED

In some plants there may be a very small centre-to-centre distance between descaling nozzles. In these cases the use of micro-descaling tips avoids the installation of nipples and nozzles in intake manifolds or descaling rings which would be highly difficult if not impossible with standard size nozzles.



MATERIALS

B1	Body	Stainless steel AISI 303
F1	Insert	Tungsten carbide

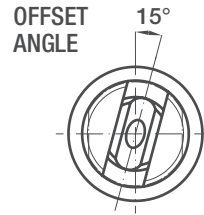
HOW TO ORDER PNR PRODUCTS

Model	Angle	Capacity	Material
HW/AM	C	2045	XX

Order example: **HWC 2045 F1AM**

SPRAY ANGLE CODES

HWC	HWE	HWF	HWL
22°	26°	30°	40°



See list of abbreviations - legenda at page 3.

Code	D	D1	Capacity - lpm									
			Pressure - bar									
	mm	mm	80	100	140	200	240	280	300	340	380	400
2045 xxAM	0.7	0.6	4.5	5	5.9	7.2	7.8	8.5	8.7	9.3	9.8	10
2063 xxAM	1	0.8	6.3	7	8.3	10	10.9	11.8	12.2	13	13.7	14.1
2106 xxAM	1.5	1.2	10.6	11.9	14.2	16.8	18.4	19.8	20.5	21.8	23.1	23.7
2134 xxAM	1.8	1.4	13.4	15.0	17.7	21.2	23.2	25.0	25.9	27.6	29.2	29.9
2162 xxAM	2.0	1.5	16.2	18.1	21.4	25.6	28.0	30.3	31.4	33.4	35.3	36.2
2208 xxAM	2.1	1.8	20.8	23.3	27.5	32.9	36.0	38.9	40.2	42.9	45.3	46.5
2250 xxAM	2.5	1.9	25.0	28.0	33.0	39.5	43.3	46.8	48.4	51.6	54.5	55.9

CONVERSION TABLE (UE - USA)

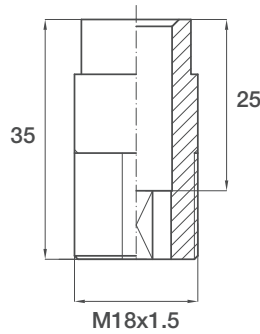
PRESSURE: 1 bar = 14,5 psi
CAPACITY: 1 lpm = 0,264 gpm

ZWM 0035 B2



NIPPLE

The micro descaling nozzles are usually installed on the ZWM 0035 B2 nipple 35 mm in length. PNR can supply on request nipples in different lengths. The nipple inlet profile, accurately machined, allows an easy positioning of the nozzle tip at the offset angle value of 15° normally used in descaling processes.



MATERIALS

B2 Stainless steel AISI 304

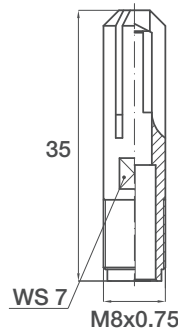
Code	RG inch	L mm	Weight kg
ZWM 0035 B2	1.5	35	0.20

XHW MG20 T1



FLOW STABILIZER

Highly important in a descaling process as it reduces the losses due to flow internal turbulence and allows to use a higher percentage of the liquid vein energy for a higher impact on the sheet surface. It's made of a cylindrical body in brass containing a flow stabilizer with tabs in stainless steel to stabilize the liquid path.



MATERIALS

T1 Brass

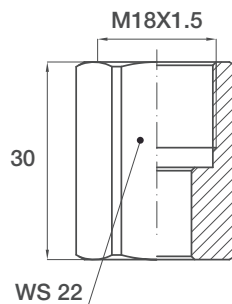
Code	L mm	Weight kg	Notes
XHW MG20 T1	35	0.04	with filter

VAW MM18 B1



LOCKNUT

Its robust design and generous dimensions (compared to the nozzle) offer the maximum protection to the nozzle tip and to the nipple thread.



MATERIALS

B1 Stainless steel AISI 303

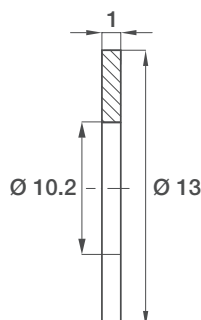
Code
VAW MM18 B1

VDA 10A5 T3



GASKET

The VDA 10A5 T3 gasket provides a secure seal between nozzle tip and nipple.



MATERIALS

T3 Copper

Code
VDA 10A5 T3