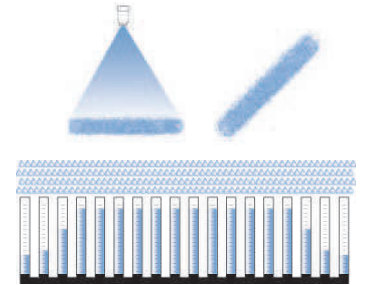


**HIGH IMPACT NOZZLE TIP, SPECIAL-SIZED**

Positioning and the use of a copper gasket between tip and nipple, for a perfect pressure water tightness. The tip is made for the assembling of a flow stabilizer and a filter which allow to reduce energy losses due to turbulence and avoid the orifice gets clogged by foreign bodies.



**MATERIALS**

<b>B1</b>	Body	Stainless steel AISI 303
<b>C1</b>	Insert	Stainless steel AISI 420 hardened
<b>F1</b>	Insert	Tungsten carbide

**HOW TO ORDER PNR PRODUCTS**

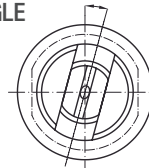
Model	Angle	Capacity	Material
<b>HV/AH</b>	<b>C</b>	<b>2045</b>	<b>XX</b>

Order example: **HVC 2045 F1AH**

**SPRAY ANGLE CODES**

HVC	HVE	HVF	HVL
22°	26°	30°	40°

OFFSET ANGLE 15°



See list of abbreviations - legenda at page 3.

Code	D	D1	Capacity - lpm									
			Pressure - bar									
			80	100	140	200	240	280	300	340	380	400
2045 xxAH	0.7	0.6	4.5	5	5.9	7.2	7.8	8.5	8.7	9.3	9.8	10
2063 xxAH	1	0.8	6.3	7	8.3	10	10.9	11.8	12.2	13	13.7	14.1
2106 xxAH	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 xxAH	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 xxAH	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 xxAH	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 xxAH	2.5	1.9	25.0	28.0	33.0	39.5	43.3	46.8	48.4	51.6	54.5	55.9
2320 xxAH	2.8	2.4	32.0	35.8	42.3	50.6	55.4	59.9	62.0	66.0	69.7	71.6
2402 xxAH	3.0	2.5	40.2	45.0	53.2	63.6	69.6	75.2	77.8	82.9	87.6	89.9
2520 xxAH	3.5	2.7	52.0	58.1	68.8	82.2	90.0	97.3	100.7	107.2	113.3	116.3
2642 xxAH	3.8	3.2	64.2	71.8	84.9	101.5	111.2	120.1	124.3	132.3	140.0	143.6
2798 xxAH	4.3	3.6	79.8	89.2	105.6	126.0	138.2	149.3	154.5	164.5	174.0	178.4
2996 xxAH	4.7	4.0	99.6	111.3	131.8	157.5	172.5	186.3	192.8	205.3	217.0	222.7
3112 xxAH	5.0	4.2	112.0	125.2	148.2	177.0	194.0	209.5	216.9	231.0	244.0	250.4
3120 xxAH	5.2	4.4	120.0	134.2	158.7	189.7	207.8	224.5	232.4	247.4	261.5	268.3

**CONVERSION TABLE (UE - USA)**

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

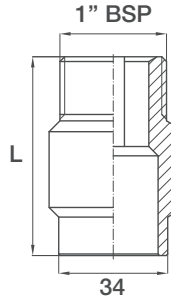


ZWC

**WELDING NIPPLES**

The HV nozzle tips can be mounted on a series of nipples with same inlet and three different lengths.

The nipple inlet profile, precisely machined, allows an easy and precise positioning of the tip at the normally used offset angle value of 15° from the main manifold axis.



MATERIALS			
B2	Stainless steel AISI 304		
Code	RG inch	L mm	Weight kg
ZWC 0062 B2	1	62	0.65
ZWC 0066 B2	1	66	0.70



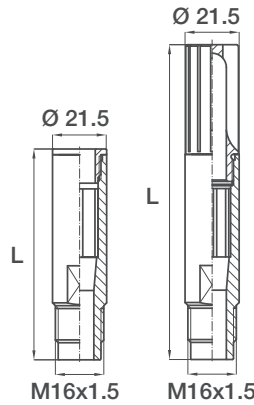
XHW

**FLOW STABILIZER**

Highly important in the descaling process as it reduces losses caused by internal turbulence and allows to use a higher percentage of the liquid vein energy for a stronger impact on the sheet surface.

It's are made of a cylindrical body in brass, accurately finished, containing a flow stabilizer in stainless steel with tabs to stabilize the liquid path.

Available in three different lengths, all suitable to house a filter.



MATERIALS			
T1	Body	Brass	
T1	Filter	Brass	
B3	Flow Stabilizer	Stainless steel AISI 316	
Code	L mm	Weight kg	Notes
XHW DG 10 T1	76	0.08	without filter
XHW DG 11 T1	96	0.10	without filter
XHW DG 20 T1	110	0.11	with filter
XHW DG 21 T1	130	0.14	with filter
XHW DG 22 T1	150	0.16	with filter



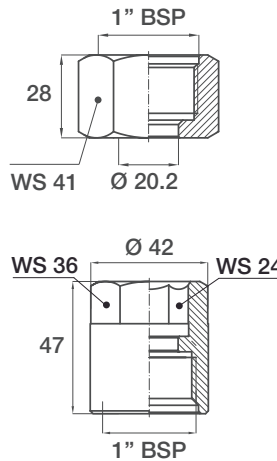
VAW B100 B1

VAW D100 B1

**LOCKNUTS**

The VAW B100 B1 and VAW D100 B1 locknuts for the ZWB series nozzle tips encompass our long experience in this sector.

Their robust design and generous dimensions offer the maximum protection to the tip and to the nipple thread.



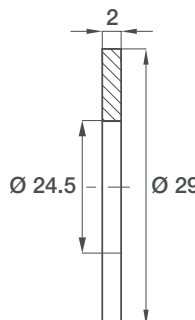
MATERIALS	
B1	Stainless steel AISI 303
Code	Notes
VAW B100 B1	with hexagon on the outside
VAW D100 B1	with built in hexagon



VDA 24C1 T3

**GASKET**

The VDA 24C1 T3 gasket ensures a tight and safe assembly between nozzle tip and nipple and can be mounted on all mini nipples.



MATERIALS	
T3	Copper
Code	
VDA 24C1 T3	