

Ceramic nozzle 965-cer



Properties and advantages

- Long lifetime
- Constant jet quality
- High-power and focused water jet
- Needle jet with high energy density
- Easy to install and disassemble
- Swiss Quality

Applications

- Automobile and aircraft industry
- Construction industry
- Mining
- Iron, steel and metal industries
- Mechanical and apparatus engineering
- Food industry
- Offshore deployment
- Shipbuilding
- Cement and concrete industry
- Concrete demolition
- Surface treatment
- Paint removal
- Spray bars

Description

The ceramic nozzle type 965-cer was designed for spray bars and nozzle bars. The mvt ceramic nozzles have a nozzle factor of 0.95. **A big advantage is that the ceramic insert cannot burst and the durability is also quite impressive and are far superior to sapphire.** According to our experience, a lifetime of 100 - 120 hours can be achieved with a constant operating pressure of 2500 bar, as long as all components such as filters, connections and water are 100% checked.

The nozzle body consists of a one-piece construction with rolled thread and formed/forged hexagon socket. Due to this manufacturing process, our nozzle bodies have higher strength reserves compared to one-piece/chipping manufactured parts.

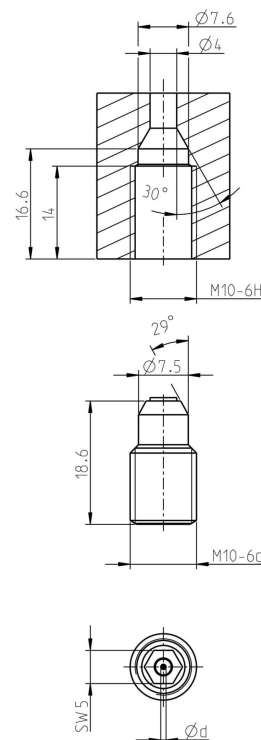
The nozzle neck is manufactured very precisely and has a perfect concentricity with the sealing edge. The 29° sealing edge has no roundings or double angles and a greater wall thickness than conventional nozzles. Therefore there can be no deformation of the nozzle body at the sealing edge.

The heart of the nozzle, the ceramic insert, is completely manufactured by mvt AG, which guarantees a uniform and high quality. All ceramic inserts are checked for scratches, cracks and flow.

This nozzle has been subjected to a burst and pressure test by an accredited testing laboratory STS 0052 according to harmonized standard EN 12162+A1:2009. And withstood the 30 minute load of 3930 bar.

This product is compatible with the following brands or products:

- Type P
- Form 21



CHARACTERISTICS	TYPE
	965-CER
Operating pressure (bar)	max. 3000
Operating temp. (°C)	max. 150°
Tightening torque (Nm)	max. 40

- Series 3261

ART. NO. (1)
32038._ _

Performance

ART. NO.	NOZZLE SIZE IN US GAL/MIN AT 40 PSI	NOZZLE ØD MM	PRESSURE IN PSI / BAR						
			psi 14500	psi 21750	psi 25375	psi 29000	psi 31900	psi 36250	psi 43500
			bar 1000	bar 1500	bar 1750	bar 2000	bar 2200	bar 2500	bar 3000
			FLOW RATE IN L/MIN						
32038.0150	0006	0.15	0.442	0.537	0.578	0.616	0.644	0.684	0.744
32038.0200	0011	0.20	0.786	0.955	1.028	1.095	1.145	1.215	1.322
32038.0250	0017	0.25	1.228	1.492	1.606	1.710	1.789	1.899	2.066
32038.0300	0024	0.30	1.769	2.149	2.312	2.463	2.576	2.734	2.975
32038.0350	0033	0.35	2.407	2.925	3.147	3.352	3.506	3.722	4.050
32038.0400	0043	0.40	3.144	3.820	4.111	4.379	4.579	4.861	5.289
32038.0450	0055	0.45	3.979	4.835	5.203	5.542	5.795	6.152	6.694
32038.0500	0067	0.50	4.913	5.969	6.423	6.841	7.155	7.595	8.264
32038.0550	0082	0.55	5.944	7.223	7.772	8.278	8.657	9.190	10.000

Instructions

When manually operating high pressure guns and lances the repulsive force on the axis should not exceed 250N! If the repulsive force exceeds 150N, a support / body armour is required!

	< 150 N
	< 250 N
	> 250 N