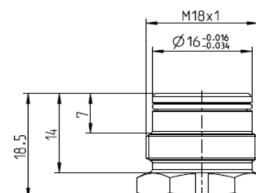


Ceramic nozzle 6740 MSD-9

The mvt AG high-performance MSD nozzles (multi-jet nozzles) are mainly used for cleaning screens and felts. The nozzles are characterized by their long service life, high efficiency and quality. The jet of these nozzles is coherent, resulting in a long service life. The extensive range of MSD nozzles offers the right type for most commercially available cleaning devices, e.g. cleaning heads in the paper industry. The sapphire insert used in particular guarantees a long service life and consistent jet quality.



Features and advantages

- Long service life
- Constant jet quality
- Highly concentrated water jet
- Point jet with high energy density
- Easy installation and removal
- Good price-performance ratio
- Swiss Quality

Applications

MVT AG is a Swiss supplier of high-quality and precise components and systems for the industrial sector.

- Pulp and paper industry
- Industrial cleaning
- Corrugated board

Connection thread	ART. NO. (1)	Number of beams
M18x1.00	32103. __	9

Specifications



**Operating pressure (bar)
max.**

500



**Operating temperature (°C)
max.**

150

ART. NO.	NOZZLES Ød mm	Number of jets	PRESSURE in psi / bar						
			psi1450	psi2175	psi2900	psi3625	psi4350	psi5800	psi7250
			bar100	bar150	bar200	bar250	bar300	bar400	bar500
			FLOW RATE in l/min						
32103.0150	0.15	9	8.235	10.071	11.619	12.978	14.211	16.380	18.279
32103.0200	0.20	9	14.634	17.910	20.664	23.076	25.263	29.115	32.499
32103.0250	0.25	9	22.869	27.981	32.283	36.063	39.465	45.495	50.778

FAQ

1. What is the MSD Sapphire Nozzle 6740 MSD-9 used for?

The MSD 6740 MSD-9 sapphire nozzle is mainly used for cleaning **screens, felts and other components in the pulp and paper industry**. Thanks to its multi-jet technology with nine precisely aligned jets, it enables efficient and uniform cleaning of large surfaces and is particularly suitable for industrial cleaning systems.

2. What advantages does the sapphire insert of the MSD nozzle offer?

The high-quality sapphire insert is characterized by **extreme hardness and wear resistance**. As a result, the nozzle opening remains precise over a long period of time, which ensures a constant jet quality and consistent cleaning performance.

This leads to a significantly longer service life for the nozzle and reduces maintenance and replacement intervals.

3. What are the technical specifications of the MSD sapphire nozzle 6740

The most important technical data at a glance:

- **Max. Operating pressure:** 500 bar
- **Max. Operating temperature:** 150 °C
- **Number of jets:** 9
- **Nozzle openings:** 0.15 mm / 0.20 mm / 0.25 mm
- **Flow rate:** approx. 8.235 to 50.778 l/min (depending on pressure and nozzle size)
- **Connection thread:** M18 × 1.00

These specifications enable powerful and precise cleaning processes in industrial systems.

4. Which cleaning systems is the MSD sapphire nozzle compatible with?

The MSD nozzle series is designed to be compatible with most **commercially available cleaning heads and cleaning systems in the paper industry**. The standardized **M18 × 1.00** connection thread enables easy integration into existing systems as well as quick installation and removal.

5. What advantages does the MSD sapphire nozzle offer in industrial use?

The MSD sapphire nozzle offers numerous advantages:

- Very long service life thanks to extremely wear-resistant sapphire insert
- Highly focused multiple jets with high energy density
- Consistent and precise jet quality
- Efficient cleaning of screens and felts
- Easy installation and maintenance
- Attractive price-performance ratio
- **Swiss Quality from mvt AG**

These features make the nozzle a reliable solution for demanding industrial cleaning applications.