

AIR-ATOMIZING NOZZLE

SPECIALLY DESIGNED FOR DUST FIGHTING APPLICATIONS

DESIGN FEATURES

- 7-piece design
- Male connection
- Oval Spray pattern (full cone)
- Special spray angles on request
(flat fan / round full cone / etc. – available)
- Standard materials:
1.4404 / 1.4401

SPRAY CHARACTERISTICS

- Full cone (oval)
- Finest fog
- Long distance spraying



Standard air cap (2.6 mm borings)

Air Pressure	Water Pressure	Air Flow	Water Flow
bar	bar	Nm ³ /h	lpm
1,8	1,6	47,75	1,02
1,8	1,8	34,00	3,10
2,0	1,8	50,42	1,23
2,0	2,0	37,50	3,15
2,3	2,0	61,25	0,56
2,3	2,3	41,50	3,31
2,8	2,6	62,00	1,72
2,8	2,9	43,50	4,19

Special air cap (2.0 mm borings)

(Low flow version)

Air Pressure	Water Pressure	Air Flow	Water Flow
bar	bar	Nm ³ /h	lpm
1,8	1,6		
1,8	1,8	18,50	2,11
2,0	1,8		
2,0	2,0	23,30	2,28
2,3	2,0		
2,3	2,3	27,00	2,30

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ADVANTAGES OF THE BETE PZ NOZZLE

Dust Suppression

The BETE PZ-nozzle has been specially developed for highest efficiency in the dust suppression. The modular design gives the opportunity the use this nozzle in a vast variety of applications.

Wear and Tear:

The BETE PZ-nozzle is designed to avoid high costs because of wear and tear. All parts are replaceable on their own (e.g. only the nozzle [4] or only the air-cap [2])

Adjustable (water + air consumption):

By changing the pressures the system can easily be adjusted to any condition.

Adjustable (Direction):

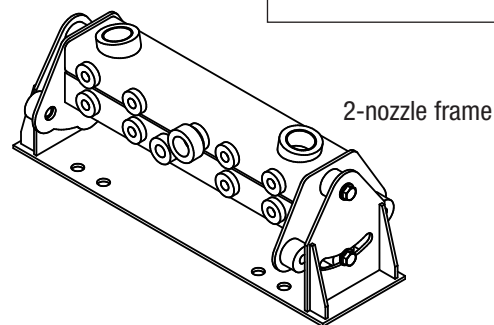
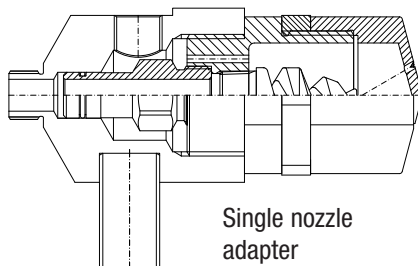
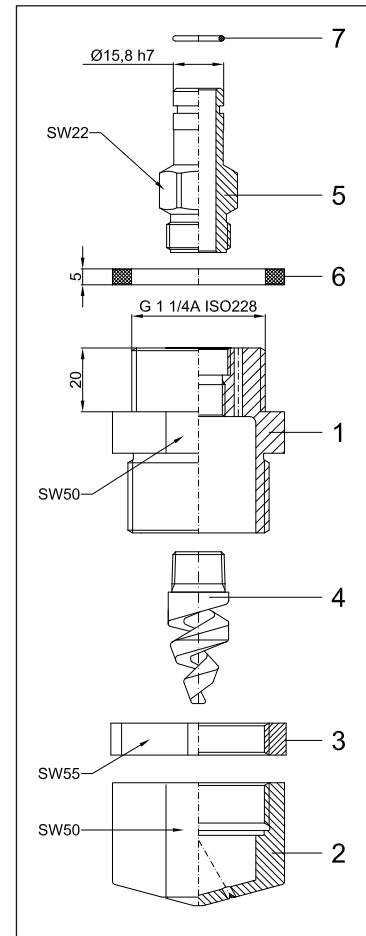
The nozzles can be installed close to where the dust appears. This helps in lowering the water and air consumption and gives the possibility to catch most of the dust.

Easy to maintain:

All parts can be disassembled quickly without special tools. This prevents the system from long down times.

Installation:

Can be used in single-nozzle adapters or in specially designed frames for More than one nozzle



Without BETE PZ nozzles



With BETE PZ nozzles (2-nozzle frame)