



SPRAY NOZZLE FES

The spray nozzle FES generates round, compact, and high-energy full jet. It is used mainly in production and control processes. The bundled jet can precisely spray, control, cool, or clean workpieces, materials, or surfaces.



POSSIBLE APPLICATIONS

spraying on sliding surface
 flue gas washing
 cleaning of moving object
 spraying on moving objects
 spraying on conveyor belts
 sewage treatment plants
 foam control

FIELD OF APPLICATION

chemistry
 fire protection
 food industry
 washing systems
 cleaning systems
 petrochemistry
 pharma

AVAILABLE IN THE FOLLOWING MATERIALS

Stainless Steel

1.4305 (X8 CrNiS 18-9)

Plastics

PVC
 POM

(polyvinyl chloride)
 (polyoxymethylene)

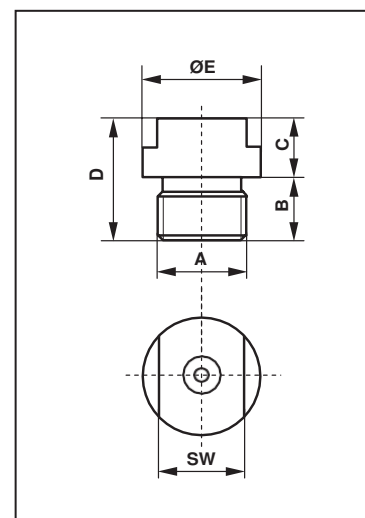
Non-ferrous material

brass

other material on request.

DIMENSIONS

type	A	B mm	C mm	D mm	ØE mm	SW mm
FES 01	R 1/8"	8	11	19	13	8
FES 02	R 1/4"	9	8	17	17/18	13
FES 03	R 3/8"	10	9	19	20	17
FES 04	R 1/2"	11	11	22	25	22
FES 05	R 3/4"	15	20	35	32	27
FES 06	R 1"	17	20	37	40	36





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CAPACITY CHART OF SPRAY NOZZLE TYPE FES

capacities in l/min of water by following pressures

type	thread	Hole ∅	1 bar	1.5 bar	2 bar	3 bar	4 bar (test-pressure)	5 bar
FES 02	R 1/4"	1.0	0.64	0.78	0.90	1.10	1.27	1.42
		1.1	0.76	0.93	1.07	1.32	1.52	1.70
		1.2	0.93	1.13	1.31	1.60	1.85	2.07
		1.3	1.09	1.33	1.54	1.89	2.18	2.44
		1.4	1.25	1.53	1.77	2.17	2.50	2.80
		1.5	1.43	1.75	2.02	2.47	2.85	3.20
		1.7	1.85	2.27	2.62	3.20	3.70	4.15
		2.0	2.58	3.15	3.65	4.45	5.15	5.75
		2.1	2.84	2.45	4.00	4.90	5.67	6.35
		2.4	3.70	4.55	5.25	6.40	7.40	8.25
		2.6	4.35	5.30	6.15	7.50	8.68	9.70
		2.8	5.00	6.10	7.05	8.65	10.00	11.20
		2.9	5.40	6.60	7.65	9.35	10.80	12.10
		3.0	5.80	7.10	8.20	10.00	11.60	13.00

other capacities on request.

FOR ORDERING WE NEED FOLLOWING INFORMATIONS

Field of application

medium to spray (viscosity)
fitting position / spray distance nozzle – spray area
temperature range
frequency range

Nozzle specification

type of material
desired spray angle
nozzle type
connection thread
desired capacity (l/min, l/h)
operating pressure (bar)

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