



EHS high-performance rotating nozzles

Data sheet

Model variants



Model ROT R

Standard design

Rotary nozzles are particularly suited for cleaning pipes with built-up deposits. They are available in a variety of sizes, with different nozzle bores at various angles, for use with HD hoses and lances. The nozzle is moved mechanically by either pushing or pulling force.



Model ROT RV

Feed unit design

ROT RV rotating nozzles are fitted with an integrated feed unit. This unit uses multiple backwards-facing jets to evenly and automatically push the nozzle forwards.



Model ROT FR

Front-facing jet design

The ROT FR model is ideally suited to thoroughly cleaning pipes in an industrial setting. The radial sprays clean the walls of the pipe while the rotating front-facing jets (two jets directed diagonally forwards) dissolve blockages and obstacles. Available in a variety of bore sizes. The nozzle is moved mechanically by either pushing or pulling force.



Model ROT FRV

Feed unit and front-facing jet design

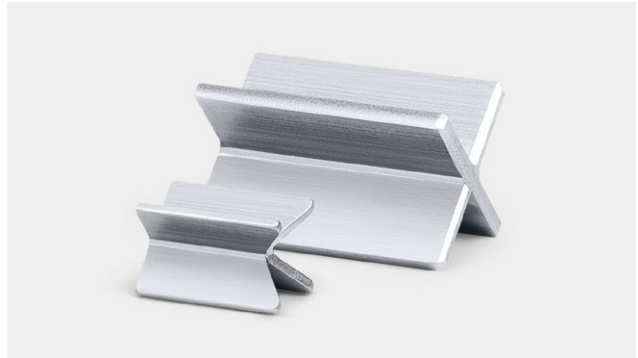
ROT FRV model rotating nozzles, in addition to their radial bores, have two central, high-power front-facing bores for tackling stubborn cleaning tasks – just like the ROT FR model. However, the ROT FRV also has an integrated feed unit, which ensures the automatic forward motion of the nozzle with its backwards-facing jets.

Configuration possibilities



High-performance nozzle exit unit design

Rotating nozzles of size \varnothing 10 mm are only manufactured with a bore. At sizes of \varnothing 18 mm, the nozzle can also be fitted with a nozzle exit insert of hardened stainless steel. From \varnothing 22 mm, nozzle exit inserts are always fitted.



High-performance nozzle exit unit and stabiliser design

Rotating nozzles with nozzle exit units may also be equipped with a stabiliser that reduces or prevents fluid turbulence.

Sizes

Size [mm]	Material	Bore sizes [mm]	Connection thread	Pressure range [bar]
Ø 10 	High-grade steel/bronze	Ø 0.5 – Ø 1.2	M 7 IG	1000
Ø 12 	High-grade steel/bronze	0.5 – Ø 1.2	1/8 IG	1000
Ø 18 	High-grade steel/bronze	Ø 0.5 – Ø 1.5	1/4 IG	1000
Ø 22 	High-grade steel/bronze	Ø 0.5 – Ø 1.5	1/4 IG	1000
Ø 31 	High-grade steel/bronze	Ø 0.5 – Ø 2.2	M 22 x 1.5 IG	1000
Ø 47 	High-grade steel/bronze	Ø 0.5 – Ø 2.2	M 22 x 1.5 IG	1000

Capacity [l/min]

Size	Thread	Model	Configuration			Pressure [bar]					
			Front-facing jet	Radial jet	Feed unit	50	100	250	500	750	1000
Capacity [l/min]											
ø D = 10 mm	M 7 IG	ROT R10	-	•	-	2 – 8	3 – 11	5 – 17	7 – 25	9 – 30	10 – 35
		ROT RV10	-	•	•	3 – 11	5 – 16	7 – 25	10 – 35	13 – 43	15 – 50
		ROT FR10	•	•	-	3 – 11	5 – 16	7 – 25	10 – 35	13 – 43	15 – 50
		ROT FRV10	•	•	•	5 – 13	8 – 19	12 – 30	18 – 42	22 – 52	25 – 60
ø D = 12 mm	1/8 IG	ROT R12	-	•	-	2 – 16	3 – 25	5 – 35	7 – 25	9 – 43	10 – 50
		ROT RV12	-	•	•	3 – 13	5 – 19	7 – 30	10 – 42	13 – 52	15 – 60
		ROT FR12	•	•	-	3 – 13	5 – 19	7 – 30	10 – 42	13 – 52	15 – 60
		ROT FRV12	•	•	•	6 – 16	8 – 22	12 – 35	18 – 49	22 – 61	25 – 70
ø D = 18 mm	1/4 IG	ROT R18	-	•	-	2 – 16	3 – 22	5 – 35	7 – 49	9 – 61	10 – 70
		ROT RV18	-	•	•	4 – 18	6 – 25	10 – 40	14 – 57	17 – 69	20 – 80
		ROT FR18	•	•	-	4 – 18	6 – 25	10 – 40	14 – 57	17 – 69	20 – 80
		ROT FRV18	•	•	•	7 – 20	9 – 28	15 – 45	21 – 64	26 – 78	30 – 90
ø D = 22 mm	1/4 IG	ROT R22	-	•	-	4 – 20	6 – 28	10 – 45	14 – 64	17 – 78	20 – 90
		ROT RV22	-	•	•	6 – 22	8 – 32	12 – 50	18 – 71	22 – 87	25 – 100
		ROT FR22	•	•	-	6 – 22	8 – 32	12 – 50	18 – 71	22 – 87	25 – 100
		ROT FRV22	•	•	•	9 – 27	13 – 38	20 – 60	28 – 85	35 – 104	40 – 120
ø D = 31 mm	M 22 x 1,5 IG	ROT R31	-	•	-	4 – 20	6 – 28	10 – 45	14 – 64	17 – 78	20 – 90
		ROT RV31	-	•	•	7 – 22	9 – 32	15 – 50	21 – 71	26 – 87	30 – 100
		ROT FR31	•	•	-	7 – 22	9 – 32	15 – 50	21 – 71	26 – 87	30 – 100
		ROT FRV31	•	•	•	9 – 27	13 – 38	20 – 60	28 – 85	35 – 104	40 – 120
ø D = 47 mm	M 22 x 1,5 IG	ROT R47	-	•	-	8 – 20	9 – 28	15 – 45	21 – 64	26 – 78	30 – 90
		ROT RV47	-	•	•	8 – 40	9 – 57	15 – 90	21 – 127	26 – 156	30 – 180
		ROT FR47	•	•	-	8 – 40	9 – 57	15 – 90	21 – 127	26 – 156	30 – 180
		ROT FRV47	•	•	•	9 – 45	13 – 63	20 – 100	28 – 141	35 – 173	40 – 200



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