

DESIGN RDM 250

- Designed for **mechanical deployment**
- Stainless steel housing
- Dust tight, encapsulated eddy current brake
- Cooling sleeve
- Wear resistant rotary action with labyrinth seal
- Axial and radial nozzle arrangement especially for pipe cleaning



Technical data

Typical applications

- Cleaning pipes, boilers, furnaces
- Roughening concrete surfaces
- Coating and paint removal

	Version 1	Version 2
Operating pressure max.:	1500 bar	
Flow rate max.:	120 l/min.	
Pressure loss at 35 l/min.:	5 bar	
Pump power:	70 - 230 kW	
Speed of rotation:	100 - 1500 min ⁻¹	
Weight approx.:	8 kg	10 kg
Length:	267 mm	300 mm
Diameter:	90 mm	128 mm
Connection A/F:	32 mm	
Conn. thread:	M 24 x 1.5 DKO	
No. of nozzles:	4	6

Nozzle inserts see table.

RDM 250	Code no.
Version 1	09.00530.2046
Version 2	09.00530.2050

Optional:

Description	Code no.
Sledge (suitable for internal diameters from 125 to 500 mm)	00.01355.0005
Pulling mechanism (for use with radial nozzle arrangement)	00.06048.0010

ROTORJETS ACCESSORIES FOR DESIGN RDM 250

13.B.6 – 10/16

Version 1

W Nozzle angle	L Nozzle offset (mm)	A	R
21°	22	axial	
90°	10		radial

Version 2

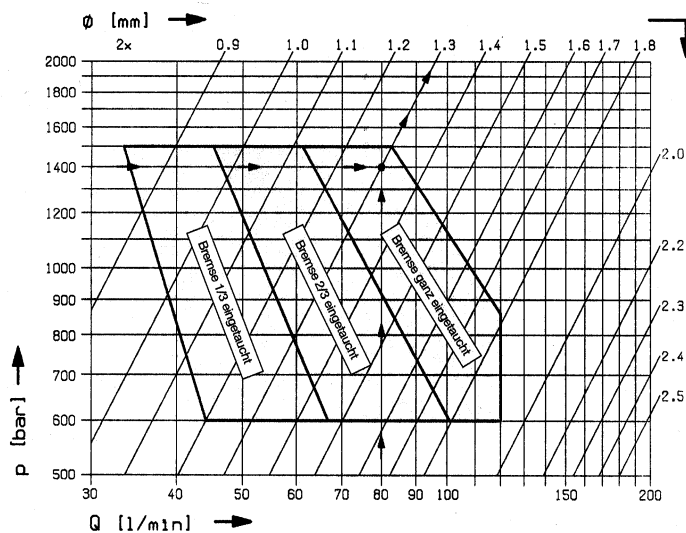
W Nozzle angle	L Nozzle offset (mm)	A	R
27°	23	axial	
45°	0		radial
90°	7		radial

Item no.	Nozzle inserts: Design "A", Round jet efficiency factor: 0.95							
	Code no. 04.05318.0xxx xxx = see table for last 3 digits of code no.							
50	Ø (mm)	xxx	Ø (mm)	xxx	Ø (mm)	xxx	Ø (mm)	xxx
	0,9	074	1,3	078	1,7	081	2,1	083
	1,0	075	1,4	079	1,8	022	2,2	026
	1,1	076	1,5	025	1,9	082		
	1,2	077	1,6	080	2,0	023		

Plug: 04.05215.0027

Nozzle insert selection and performance range for Version 2 upon request.

Nozzle insert selection and optimum performance range for Version 1



Example

Parameters:

Operating pressure: 1400 bar
Flow rate: 80 l/min
Select:
Correct nozzle Ø: 2 x 1.3 mm
Brake fully engaged

Ø = Nozzle insert dia.
p = Operating pressure
Q = Flow rate
(without leakage)

Do not exceed right side limit of performance range:
Danger of overpowering!



For safety rules governing reaction force, see previous page!

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