

Rotopuls vibration nozzles

The enz golden jet® rotating nozzle is provided with an eccentrically supported rotor, which produces very fast vibrations and pulsating jets. The resulting pulsations become so strong that deposits up to 4" thickness are disintegrated.

In many cases, Rotopuls nozzles can replace the use of Percussion Milling Cutters or Rotating Chain Scrapers.

Important: Rotopuls nozzles develop strong hydraulic impacts and vibrations. This can possibly cause damage in some pipes (i.e. clay pipes, thin-walled plastic pipes or PVC pipes). Therefore, it is important that Rotopuls Nozzles are only used in Steel, Cement, and Thick Walled Polyethylene pipes.

Applications

- The Rotopuls nozzles remove middle-hard deposits in pipes of plastic, steel or concrete.



Rotopuls vibration nozzles

Rotopuls KBR vibration nozzles 1/4" - 3/4"

			
	01.028ANE	02.028ANE	02.028BNE
	1/4 NPT	1/4 NPT	3/8 NPT
	1.5 - 4	1.5 - 4	1.5 - 4
	3	3	3
	2 × M4	2 × M4	2 × M4
	3 × M4	—	—
	*	—	—
	1.1 × 2.2	1.1 × 2.2	1.1 × 2.3
	0.42	0.40	0.44
	5,075	5,075	5,075
	—	—	—

Rotopuls KBR vibration nozzles 1" - 1 1/4"

					
	04.040AE	04.050AE	04.050BE	04.060EK	04.100BE
	1/2	1/2	3/4	1	1 1/4
	3 - 6	4 - 8	4 - 8	4 - 12	8 - 24
	5	18	18	26	53
	4 × M4	4 × M6	4 × M6	4 × M6	4 × M10
	3 × M6	3 × M6	3 × M6	3 × M8	3 × M10
	*	*	*	*	*
	1.6 × 3.2	2.0 × 3.8	2.0 × 3.9	2.4 × 4.4	3.9 × 6.9
	1.16	2.18	2.18	3.56	16.00
	5,075	5,075	3,625	3,625	3,625
	—	—	—	—	—

	Connecting thread [inch]		Rotating nozzles		Maximum pressure [psi]
	Application range [inch]		Thrust jet		Recycling
	min. gpm at 1450 psi at the nozzle		Front jet	*	Option
	Measures [inch]		Weight [lb.]		

Rotopuls vibration nozzles

Vibration nozzles 1/2"

		
	01.030ANE	04.044AE
	1/4 NPT	1/2
	1.5 - 4	2.7 - 6
	3	5
	2 × M4	4 × M4
	3 × M4	3 × M6
	—	*
	1.2 × 2.0	1.7 × 3.5
	0.33	1.3
	5,075	5,075
	—	—

Turbopuls for recycling water 1/2" - 3/4" (working pressure up to 2,900 psi)

				
	410.060A	410.060B	410.080A**	410.080B**
	1/2	3/4	1/2	3/4
	4 - 8	4 - 8	6 - 12	6 - 12
	16	16	21	21
	1 × M6	1 × M6	1 × M8	1 × M8
	3 × M8	3 × M8	6 × M8	6 × M8
	—	—	—	—
	2.5 x 7.1	2.5 x 7.1	3.1 × 8.3	3.1 × 8.3
	5.29	5.29	9.56	9.56
	2,900	2,900	2,900	2,900
	✓	✓	✓	✓

** If you are using a 1" hose, it's recommended to reduce it to a 3/4" hose 95.BF100BM075-150 on the last few yards in order to avoid any vibration loss on the nozzle, together with thrust booster 30.100Z.



	Connecting thread [inch]		Rotating nozzles		Maximum pressure [psi]
	Application range [inch]		Thrust jet		Recycling
	min. gpm at 1450 psi at the nozzle		Front jet	*	Option
	Measures [inch]		Weight [lb.]		

Rotopuls vibration nozzles

Turbopuls for recycling water 1" - 1 1/4" (working pressure up to 2,900 psi)

				
	410.120A-W**	410.120B-W**	410.120A	410.120B
	1	1 1/4	1	1 1/4
	8 - 40	8 - 40	8 - 40	8 - 40
	40	40	40	40
	1 × M8	1 × M8	1 × M8	1 × M8
	6 x M10	6 x M10	6 x M10	6 x M10
	—	—	—	—
	4.7 x 12.6	4.7 x 12.6	4.7 x 12.6	4.7 x 12.6
	32.22	32.22	32.22	32.22
	2,900	2,900	2,900	2,900
	✓	✓	✓	✓

** Turbopuls with soft impact head



Twin-Kit (without Turbopuls)	
410.1208	1
	from 16
	2 × 40
	14 × 28
	2,900
	✓



Twin-Kit (without Turbopuls)	
410.1208	1 1/4
	from 16
	2 × 40
	14 × 28
	2,900
	✓

	Connecting thread [inch]		Rotating nozzles		Maximum pressure [psi]
	Application range [inch]		Thrust jet		Recycling
	min. gpm at 1450 psi at the nozzle		Front jet	*	Option
	Measures [inch]		Weight [lb.]		

00410.1205



00410.12051



004.0444E

For 04.044AE

 0.04



00410.08010

For 410.080

 0.15



00410.12010

For 410.120

 0.30



95.BF100BM075-150



30.100Z



	Connecting thread [inch]		Rotating nozzles		Maximum pressure [psi]
	Application range [inch]		Thrust jet		Recycling
	min. gpm at 1450 psi at the nozzle		Front jet	*	Option
	Measures [inch]		Weight [lb.]		