



HIGH PRESSURE NOZZLES

W.P. 2800 BAR



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Type	Pressure	Flow	Scope Of Use	Water Temp.
Vortex-Jet 	1000 - 1400 bar (14500 - 20300 psi)	23 - 150 LPM (6 - 42 gpm)	12 - 60 mm (0.5 - 2.4")	95 °C (200 °F)
Vortex-Jet Pulse 	1000 - 1400 bar (14500 - 20300 psi)	22 - 150 LPM (6 - 40 gpm)	12 - 60 mm (0.5 - 2.4")	95 °C (200 °F)
Tempest 	2800 bar (40,000 psi)	15 - 30 LPM (4 - 8 gpm)	50 - 150 mm (2 - 6")	70 °C (158 °F)
Gladius 	830 - 1500 bar (12,000 - 22,000 psi)	45 - 110 LPM (12 - 29 gpm)	102 - 305 mm (4 - 12")	45 °C (140 °F)
Dagger 	1500 bar (22,000 psi)	56 - 130 LPM (15 - 35 gpm)	150 - 450 mm (6 - 18")	70 °C (158 °F)
Scim2800 	2800 bar (40,000 psi)	25 LPM (7 gpm)	100 - 800 mm (4 - 32")	45 °C (140 °F)

Vortex-Jet Pipe Cleaning Nozzle

1000 -1400 bar | 22 - 150 LPM

The patented Vortex-Jet High Pressure Nozzles are specially designed for cleaning up mineral corrosion accumulation or completely sealed pipes. The swirling action of liquid from the forward-facing jet creates a shear action for effective cleaning and removal of dirt.



Specifications

Pressure: 1000 -1400 bar (15,000 - 20,000 psi)

Flow: 22 - 150 LPM (3 - 42,1 gpm)

Application: Pipe cleaning, corrosion removal, dirt removal, unblocking, excavation etc.

Connection 15k: 1/16" NPTF, 1/8" NPTF, 1/4" NPTF, 3/8" NPTF, 1/2" NPTF

Connection 20k: 1/4 & 3/8 -28 Female LH or RH, 9/16-18 Female LH or RH, 9/16 MP

Dimensions: 49 - 105 x ø9.5 - 33 mm

Scope Of Use: 12 - 60 mm (0.5 - 2.4")

Water Temperature: 95 °C (200 °F)

Features

- Strip-free cleaning (leaves no marks due to uniform spray pattern)
- High reliability (no moving parts)
- Optimal productivity (even spray coverage, little loss of fluid)
- Robustly designed (minimal wear, no jamming and sensitive nozzle)
- Ensures a safer workplace (quiet operation)
- Financially advantageous (less costs in advance, little to no maintenance required)

Overview Available Vortex-Jet Nozzles

Item	Pressure	Flow	Diameter
VJ06-38-15K	1000 bar (15,000 psi)	23 LPM (5,8 gpm)	9.5 mm (0.375 inch)
VJ09-50-15K	1000 bar (15,000 psi)	34 LPM (9 gpm)	13 mm (0.5 inch)
VJ14-69-15K	1000 bar (15,000 psi)	53 LPM (13,6 gpm)	18 mm (0.69 inch)
VJ25-93-15K	1000 bar (15,000 psi)	95 LpM (25,2 gpm)	24 mm (0.93 inch)
VJ42-130-15K	1000 bar (15,000 psi)	150 LPM (42,1 gpm)	33 mm (1.3 inch)
VJ06-50-20k	1400 bar (20,000 psi)	22 LPM (5,8 gpm)	9.5 mm (0.375 inch)
VJ09-57-20k	1400 bar (20,000 psi)	34 LPM (8,8 gpm)	13 mm (0.5 inch)
VJ14-69-20k	1400 bar (20,000 psi)	53 LPM (14 gpm)	18 mm (0,69 inch)
VJ21-93-20k	1400 bar (20,000 psi)	80 LPM (21,2 gpm)	24 mm (0.93 inch)
VJ26-130-20k	1400 bar (20,000 psi)	98 LPM (26,1 gpm)	33 mm (1.3 inch)

Vortex-Jet Pulse Pipe Cleaning Nozzle

1000 - 1400 bar | 22 - 150 LPM

The patented Vortex-Jet High Pressure Nozzles are specially designed for cleaning up mineral corrosion accumulation or completely sealed pipes. The swirling action of liquid from the forward-facing jet creates a shear action to effectively clean and remove dirt.



Specifications

Pressure: 1000 - 1400 bar (15,000 - 20,000 psi)

Flow: 22 - 150 LPM (3.4 - 42.1 gpm)

Applications: Pipe cleaning, corrosion removal, dirt removal, unblocking, excavation etc.

Connection 15k: 1/16" NPTF, 1/8" NPTF, 1/4" NPTF, 3/8" NPTF, 1/2" NPTF

Connection 20k: 1/4 & 3/8 -28 Female LH or RH, 9/16-18 Female LH or RH, 9/16 MP

Weight: 0.2 kg

Dimensions: 49 - 105 x ø9.5 - 33 mm

Scope Of Use: 12 - 60 mm (0.5 - 2.4")

Water Temperature: 95 °C (200 °F)

Features

- Strip-free cleaning (leaves no marks due to uniform spray pattern)
- High reliability (long service life and good quality)
- Optimal productivity (even spray coverage, little loss of fluid)
- Robustly designed (minimal wear, no jamming and sensitive nozzle)
- Ensures a safer workplace (quiet operation)
- Financially advantageous (less costs in advance, little to no maintenance required)
- No moving external parts

Overview Available Vortex-Jet Pulse Nozzles

Item	Pressure	Flow	Diameter
VJP06-38-15K	1000 bar (15,000 psi)	22 LPM (5,8 gpm)	9.5 mm (0.375 inch)
VJP09-50-15K	1000 bar (15,000 psi)	34 LPM (9 gpm)	13 mm (0.5 inch)
VJP14-69-15K	1000 bar (15,000 psi)	51,5 LPM (13,6 gpm)	18 mm (0.69 inch)
VJP25-93-15K	1000 bar (15,000 psi)	95,4 LPM (25,2 gpm)	24 mm (0.93 inch)
VJP42-130-15K	1000 bar (15,000 psi)	159,4 LPM (42,1 gpm)	33 mm (1.3 inch)
VJP06-38-20K	1400 bar (20,000 psi)	22 LPM (5,8 gpm)	9.5 (0.375 inch)
VJP09-50-20K	1400 bar (20,000 psi)	33,3 LPM (8,8 gpm)	13 mm (0.5 inch)
VJP14-69-20K	1400 bar (20,000 psi)	53 LPM (14 gpm)	18 mm (0.69 inch)
VJP21-93-20K	1400 bar (20,000 psi)	80,3 LPM (21,2 gpm)	24 mm (0.93 inch)
VJP26-130-20K	1400 bar (20,000 psi)	98,8 LPM (26,1 gpm)	33 mm (1.3 inch)

Tempest Rotating Nozzle

Pipe cleaning 2800 Bar (40.000 psi) ,
50 - 150mm

De Tempest 2800 bar (40.000 psi) is a simple and affordable way to remove corrosion, crude oil, polymers, coatings and latex from different sized pipes.



Specifications

Flow: 15 - 30 LPM (4 - 8 GPM)

Max. Pressure: 2.800 bar (40.000 psi)

RPM: 600 - 1000 rpm

Connections: F1.1/8"UNF (9/16"HP)

Weight: 1.2 KG

Dimensions: 200mm x ø42mm

Scope Of Use: 50 - 150mm

Water Temperature: 70 °C (158 °F)

Features

- Internal cleaning of pipes and tubes
- High efficiency
- Sustainable product
- Easy and inexpensive to maintain
- Usable for multiple ranged pipes due different centralizers
- Available as unplugging or as polisher head
- Magnetic rotation speed control system

Gladius Rotating High Pressure Nozzle

830 - 1500 bar | 45 - 110 LPM

Gladius rotary high-pressure nozzle from PRO-JETTING is ideal for cleaning pipes and tubes with diameters up to 4" (100 mm). A rotating nozzle increases the work surface and thus production.



Specifications

Pressure: Max. 1500 bar (22,000 psi)

Flow: 45 - 110 LPM (12 - 29 gpm)

RPM: 70 - 300 RPM

Application: Pipe cleaning

Nozzle type: AP2

Connection: M 3/4" UNF

Weight: 1.9 kg

Dimensions: 108 x ø68 mm

Scope Of Use: 102 - 305 mm (4 - 12")

Water Temperature: 45 °C (140 °F)

Features

- Very long lifespan
- Light, durable and reliable
- Maintenance friendly
- Very high cleaning power
- Constant jet flow rate
- Easy to install and disassemble
- Good price-performance ratio
- Available with various threaded connections
- To be used in combination with a centralizer

Dagger Rotating Nozzle

Pipe cleaning 1500 bar (22.000 psi),
150 - 450 mm

The affordable Dagger rotating nozzle for descaling, intense cleaning and removal of coatings from 150 - 450mm pipelines and tubes with high pressure up to 1500 bar (22.000 psi).



Specifications

Flow: 56 - 130 LPM (15 - 35 GPM)

Max. Pressure: 1500 bar (22.000 psi)

RPM: 50 - 200 rpm

Connections: F 3/4" NPSM

Weight: 5.4 KG

Dimensions: 270mm x ø76mm

Water Temperature: 70 °C (158 °F)

Scope Of Use: 150 - 450mm (6-18")

Features

- Descaling and internal cleaning of pipes and tubes
- Very efficient
- RPM adjustable by changing the fluid
- Available in 2 versions

Pipe Cleaning and Descaling

SCIM2800 - 100-800mm

The SCIM2800 Pipe Cleaning and Descaling tool can be used with high pressure water, up to 2800bar (40,000psi), for the removal of corrosion, tuberculation, calcium and scaling from 100 – 800mm (4" - 32") pipelines. The SCIM2800 descaling tool is adjustable in RPM with high pressure jets, or lances in larger diameters, at a 90 or 45 degree angle with the pipe surface for controlled intense cleaning.



Specifications

Max. Pressure: 2800bar (40,000psi)

Flow: 25 LPM (7 gpm)

RPM: 1000 - 4000 RPM

Lance/ Jet angle: 45 and 90 degrees

Connections: Body: F 1 1/8" UNF & Kit: F 9/16" UNF LH (collar)

Weight: Adjustable Skids

Dimensions: Adjustable Skids

Scope of use: 100 - 800mm (4 - 32")

Water Temperature: 45 °C (140 °F)

Features

- Removes Calcium, Grease, Corrosion, Tuberculation and Scaling
- Adjustable RPM
- Exchangeable lances and jets
- Exchangeable skids for use in various diameters
- Winch attachment