

# NEW

# Vortex-Jet Pulse

## Tube Cleaning Nozzles (15,000 psi)

# NOZZLE DYNAMICS



The patented Vortex-Jet Pulse cleaning nozzles are designed for cleaning scale buildup and plugged tubes. The swirling vortex of fluid from the forward facing jet creates a shearing action to clean debris. The Vortex-Jet Pulse uses a patent pending Jet Intensification Technology to accelerate fluids which increases productivity.

### Features:

- Jet Intensification Technology
- Predictable Wear
- No Moving Exterior Parts
- No Seals to Rebuild or Replace
- Uncompromised Jet Pattern



1/16



1/8

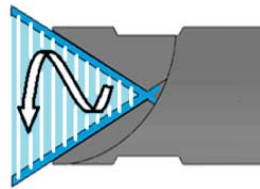


1/4

Also Available in Larger Diameters, See Below

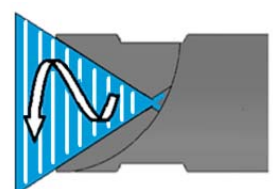
### Polishing

Pulse Polisher  
80° Pattern



### Universal

Pulse  
70° Pattern



## V JP 0 9 - 5 0 - P

Volume  
(gpm)

OD  
(in)

Spray

-P Universal

-PP Polishing

Part No.	Connections	Outside Diameter		Length	
		in	mm	in	mm
VJP06-38	1/16" NPTF	0.375	9.5	1.95	49.5
VJP09-50	1/8" NPTF	0.5	13	2	50.8
VJP14-69	1/4" NPTF	0.69	18	2.175	55.2
VJP25-93	3/8" NPTF	0.93	24	3.125	79.4
VJP42-130	1/2" NPTF	1.3	33	4.125	105

Part No.	Volume (gpm) at specified pressures (psi)					Volume (lpm) at specified pressures (bar)				
	5,000	7,500	10,000	12,500	15,000	345	500	690	690	1,000
VJP06-38	3.4	4.1	4.7	5.5	5.8	12.9	15.5	17.8	20.8	22
VJP09-50	5.5	6.6	7.5	8.6	9	20.8	25	28.4	32.6	34
VJP14-69	7.8	9.6	11.1	12.8	13.6	29.5	36.3	42	48.5	51.5
VJP25-93	14.5	17.8	20.6	23.8	25.2	54.9	67.4	78	90	95.4
VJP42-130	25.8	31.3	35	40.2	42.1	97.7	118.5	132.5	152.2	159.4

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## Contact: 1-833-NOZZLES

## Info@NozzleDyne.com

**NEW**

# Vortex-Jet Pulse

Tube Cleaning Nozzles (20,000 psi)

# NOZZLE DYNAMICS



The patented Vortex-Jet Pulse cleaning nozzles are designed for cleaning scale buildup and plugged tubes. The swirling vortex of fluid from the forward facing jet creates a shearing action to clean debris. The Vortex-Jet Pulse uses a patent pending Jet Intensification Technology to accelerate fluids which increases productivity.



1/4



3/8



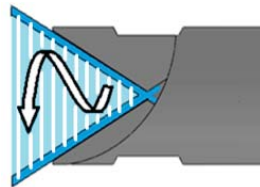
9/16

Also Available in Larger Diameters, See Below

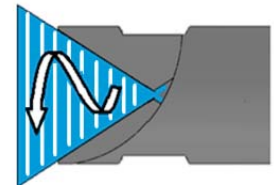
### Features:

- Jet Intensification Technology
- Predictable Wear
- No Moving Exterior Parts
- No Seals to Rebuild or Replace
- Uncompromised Jet Pattern

**Polishing**  
**Pulse Polisher**  
80° Pattern



**Universal**  
**Pulse**  
70° Pattern



**V J P 0 9 - 5 0 - P**

**Volume**  
**(gpm)**

**OD**  
**(in)**

**Spray**

**-P Universal**

**-PP Polishing**

Part No.	Inlet Connections	Outside Diameter		Length	
		in	mm	in	mm
VJP06-38-20K	1/4-28 Female LH or RH	0.375	9.5	1.950	49.5
VJP09-50-20K	3/8-24 Female LH or RH	0.500	13	2	50.8
VJP14-69-20K	9/16-18 Female LH or RH	0.690	18	2.175	55.2
VJP21-93-20K	9/16-18 Female LH or RH	0.930	24	3.125	79.4
VJP26-130-20K	9/16 MP	1.300	33	4.125	105

Part No.	Volume (gpm) at specified pressures (psi)					Volume (lpm) at specified pressures (bar)				
	10,000	12,500	15,000	17,500	20,000	690	862	1,034	1,207	1,379
VJP06-38-20K	4.2	4.6	5.0	5.4	5.8	15.9	17.4	18.9	20.4	22.0
VJP09-50-20K	6.2	7.0	7.6	8.3	8.8	23.5	26.5	28.8	31.4	33.3
VJP14-69-20K	9.9	11.1	12.1	13.1	14.0	37.5	42.0	45.8	49.6	53.0
VJP21-93-20K	15.0	16.7	18.4	19.8	21.2	56.8	63.2	69.7	75.0	80.3
VJP26-130-20K	18.3	20.5	22.5	24.4	26.1	69.3	77.6	85.2	92.4	98.8

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Info@NozzleDyne.com