PULSE JET VALVES

Reliable Compressed Air Filter Cleaning for Industrial Dust Collection Systems



Product Overview

APS Technology Australia's Pulse Jet Valves are designed for baghouse dust collectors and industrial filtration systems. These diaphragm-operated valves deliver rapid compressed air pulses to remove accumulated dust from filter bags and cartridges, helping maintain effective airflow and filter cleaning.

Available in integral and remote pilot configurations to suit different installation and maintenance requirements.

Applications

- Cement and bulk material handling
- Chemical processing and filtration
- Pharmaceutical dust collection
- Food and agricultural processing
- Plastics manufacturing
- Metalworking and foundries
- Power generation and fly ash collection
- Recycling and waste processing

Key Features

- Fast-acting diaphragm valve operation
- Integral and remote pilot configurations
- Die-cast aluminium body
- Corrosion-resistant SS316L internal parts
- Nitrile (NBR) seals
- BSP and NPT port options
- Multiple voltage and coil housing options
- Optional power-saving series



APS TECHNOLOGY

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Key Specifications & System Options

Category	Specifications
Valve Type	Diaphragm pulse jet; integral/remote pilot
Ports & Connection	BSP/NPT; screwed
Body & Internals	Die-cast aluminium; SS316L
Seal	NBR (-30°C to 90°C)
Operating Conditions	-10°C to 70°C; air
AC Voltage / Power	24/110/230V AC – 9W
DC Voltage / Power	12V DC – 10W; 24V DC – 11W
Coil Housing	Epoxy square; metallic round
Protection Options	IP67 flameproof; IP68 weatherproof
Connectivity	LAN, USB, RS232, HDMI/VGA
Optional Features	Power-saving series; brass silencer

Conclusion

APS Technology Australia's Pulse Jet Valves support compressed air filter cleaning in industrial baghouse and dust collection systems. Integral and remote pilot options provide flexibility for different installation, operating and maintenance requirements.

Model Snapshot

Integral Pilot Pulse Jet Valves
Compact configuration with an integrated solenoid for straightforward installation.

Remote Pilot Pulse Jet Valves
Separately mounted solenoid for flexible positioning and maintenance access.

Coil Housing Options
Epoxy square coil, metallic round enclosure, IP67 flameproof and IP68 weatherproof options.

Typical Configuration

- Diaphragm-operated valve
- BSP or NPT screwed connection
- Integral or remote solenoid pilot
- Selected voltage and coil housing
- Optional brass silencer
- Compatible dust collector cleaning controller, subject to system requirements

Key Benefits

Effective Filter Cleaning
Rapid compressed air pulses help remove accumulated dust.

Flexible Installation
Integral and remote pilot configurations suit different system layouts.

Durable Construction
Die-cast aluminium body with corrosion-resistant internal components.

Maintenance Accessibility
Remote pilot options allow flexible solenoid positioning.

Electrical Options
Multiple operating voltages and coil housing configurations.

Energy-Saving Option
Optional power-saving series available.