

# INTERCEPT

## PV Series

### Cartridge Dust Collector

Fan Sized for Your Application

Vertically Mounted Filters - Efficient Dust Release

Heavy-Duty, Reverse Jet Pulse Filter Cleaning System

Filters Sealed Via Dual Rail CAM Locking Assembly

NANO Web Fire Retardant Filters - MERV 15 Efficiency

Solid Welded Housing and Leg Stand (10 - 12 Gauge)

Welded Couplings (1" NPT) for Fire Control Equipment

Durethane DTM Urethane Mastic Coating

Direct Drive High Efficiency Fan Assemblies

Available with ProVent's  Control Technology

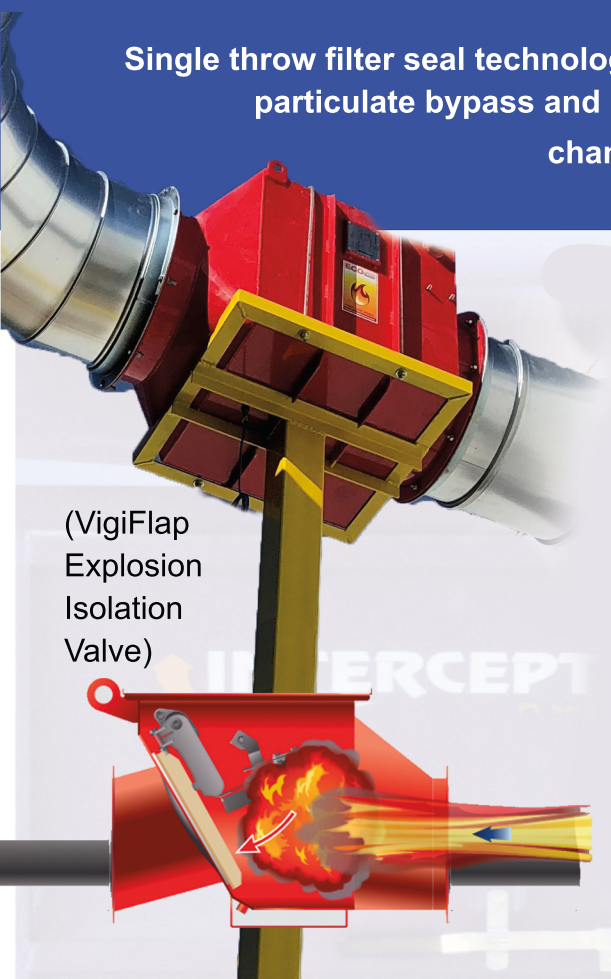


(Intercept PV52-16, shown with optional explosion vent, drum and drum connection)

## INTERCEPT PV 34 & 52

Models available in 34" and 52" long filter arrangements to balance dust loading and footprint considerations.

Single throw filter seal technology prevents particulate bypass and makes filter changes simple.



(VigiFlap Explosion Isolation Valve)

## INTERCEPT PV Optional Items

VigiFlap - Explosion Isolation Valves  
EcoMaxx Explosion Vents  
EcoMaxx High Speed Abort Gates  
Raptor Spark Detection / Extinguishing Kits  
Rotary Air Lock  
Removable Inlet Wear Abrasion Plate  
Exhaust Damper  
Silencer  
Ducting  
Various Power Options

Service Platform  
Flameless Vents  
Blast Gates  
Spark Cooler





**For Dry Cartridge  
Dust Collectors**

## **AccuPulse Combination Control Panels by ProVent**



NEMA 3R/4/12 Enclosure

Face Mounted Rotary Disconnect

PLC - **ProVent** Advanced Pulse Controls

Stack Light with Audio and Visual Alarm

E-Stop - Safe and Quick Emergency Disconnection of Power

24v DC Components - For Safety, Reliability and Compliance

7 Inch HMI Touchscreen - Start / Stop, Fault Reporting, Pulse Controls

Optional Connection to Accept Start / Stop Signal from Remote Device

***ProVent's proprietary computerized pulse control is designed to provide the most consistent airflow and filter longevity.***



Large 10 Inch Touchscreen Controls

Variable Frequency Drive

Integrated Pulse Controller

PID Loop - Controls Fan RPM for Consistent Air Flow

Detailed Fault Reporting

Real-Time Operating Statistics

Ready to Accept Start / Stop Signal from Remote Device

✓ INLET PRESSURE

✓ FAN HZ

✓ dP ACROSS FILTERS

# INTERCEPT PV SPECIFICATIONS

Intercept PV	PV34-3	PV34-4	PV34-6	PV52-6	PV52-9	PV52-12	PV52-16	PV52-24	PV52-32
Standard Filter	NANO FIBER - FIRE RETARDANT - MERV 15								
Pulse Controller	PULSE VALVES: ENCLOSED TIMER WITH DIFFERENTIAL PRESSURE SWITCH [NEMA 4] 115V, SINGLE PHASE, INCLUDES DIGITAL DP GAUGE, CONTROL PANEL READY TO ACCEPT 110V CONNECTION, SHIPPED LOOSE FOR END USER CONVENIENCE								
Compressed Air Requirement	80-90 PSI REQUIRED HOOK UP 1" NPT COUPLING								
Number of Pulse Valves	1	2	2	4	6	6	8	12	16
Number of Filters	3	4	6	6	9	12	16	24	32
Filter Height	34	34	34	52	52	52	52	52	52
SQ. FT. of Media	705	940	1,410	2,160	3,240	4,320	5,760	8,640	11,520
CFM @ Air to Cloth Ratio 1.5:1	1,058	1,410	2,115	3,240	4,860	6,480	8,640	12,960	17,280
CFM @ Air to Cloth Ratio 2:1	1,410	1,880	2,820	4,320	6,480	8,640	11,520	17,280	23,040
CFM @ Air to Cloth Ratio 2.5:1	1,763	2,350	3,525	5,400	8,100	10,800	14,400	21,600	28,800
Filter Racking	VERTICALLY MOUNTED FILTERS, SEALING VIA DUAL RAIL PUSH CAM LOCKING ASSEMBLY								
Fan	DIRECT DRIVE, BACKWARD INCLINED WELDED MILD STEEL FAN								
Housing Construction	10 GA. WELDED STEEL								
External Coating	DURETHANE DTM BY PPG: URETHANE MASTIC COATING: COLOR - VENT BLUE								
Fire Control	.5" NPT FITTINGS WELDED INTO HOUSING FOR THE CONNECTION OF FIRE CONTROL EQUIPMENT								



# *ProVent*

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