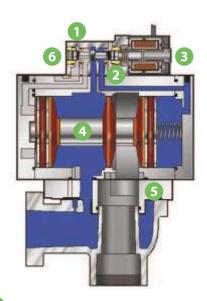


## MAC® Pulse Valve Technology Enhance Your Pulse™



- 4-Way Pilot (Maximized Shifting Forces)
- D-Seal Technology Isolates Solenoid (Longer Life)
- 3 Lifting Solenoid (Consistent Response)
- 4 Dynamic Bonded Rubber Spool (Balanced, Wiping Action.)
- Adapter Plate (Drop-in Replacement to Existing Base)
- 6 Manual Override

# KEYADVANTAGES

Powerful pulse action extends time needed between pulses, lowering energy costs.

Access

Access to valves in the dust collection system is di"cult. The MAC spool valve's long life reduces lost labor and safety concerns attributed with repairs

**Downtime** 

Weak pulses cause excess waste to build up in the system and can cause a reduction in waste removal resulting in product contamination or a reduction in product yield.

**Product** 

Weak pulses cause excess waste to build up in the system and can cause a reduction in waste removal resulting in product contamination or a reduction in product yield.

Maintenance Costs Diaphragm valves cause daily maintenance issues and increased labor costs. Spool valves allow for better use of labor throughout the plant.

Filter Bag Life

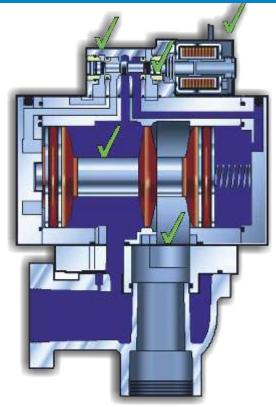
More e"cient and e#ective pulses lead to cleaner \$Iters/bags increasing overall \$Iter life by reducing pulse frequency, lowering costs.

Ease of Use

Only the MAC solenoid pilot o#ers a manual override to test the pulse valve

www.macvalves.com

### **MAC Advantages**



D-Seal Technology Isolates Solenoid - Longer Life -

4 Way Pilot
- Maximized Shifting

Lifting Solenoid
- Consistent Response -

Forces-

Dynamic Bonded
Rubber Spool

- Balanced-
- Wiping Action-

Adapter Plate

- Drop-in Replacement to Existing Base-

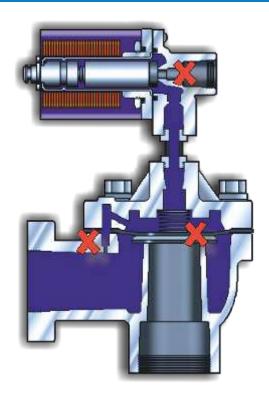
#### **MAC Spool Design**



**/** 

Bonded Spool = Longer Life
Wiping Action = Self Cleaning
Balanced Design = Repeatable Purges
Precision Ground Spool = Air Savings

#### **Competition Design**



Contaminated Air
Passes Through
Unbalanced Solenoid
- Sticking & Burnout -

Small Fixed
Orifice

- Blocked By Contaminants -



Diaphragm Ruptures

- Air Leaks -

#### **Diaphragm Design**





Ruptured Diaphragms = Short Life Frequent Routine Maintenance = High Cost of Ownership

Unbalanced Diaphragm = Inconsistent Pulses Cracking and Leaking = Wasted Air

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