

PA magneticValves: PA5, PA15, PA45



Purpose

Flow rate control valve for steel shot media and cut wire for peening and blasting.

Model

PA5 magneticValve: Range 0-5 kg/min (0-11 lb)

PA15 magneticValve: Range 0-15 kg/min (0-33 lb)

PA45 magneticValve: Range 0-45 kg/min (0-99 lb)

Features

- ±10% accuracy on set point, ±5% full scale
- Power off: valve closed
- No moving parts for low-maintenance operation
- Meets AMS 2432 Rev E specifications
- Digital signal: no data transmission lost
- Less cable: Only one (1) cable per valve
- 24V DC
- Anti-leakage protection (if disconnected to FlowMaster)
- Includes a 1 meter plug and cable (option 0.5, 5 and 10m)
- CE compliant
- Patent pending

3rd. Generation Technology



PA5 magneticValve
PA15 magneticValve
PA45 magneticValve

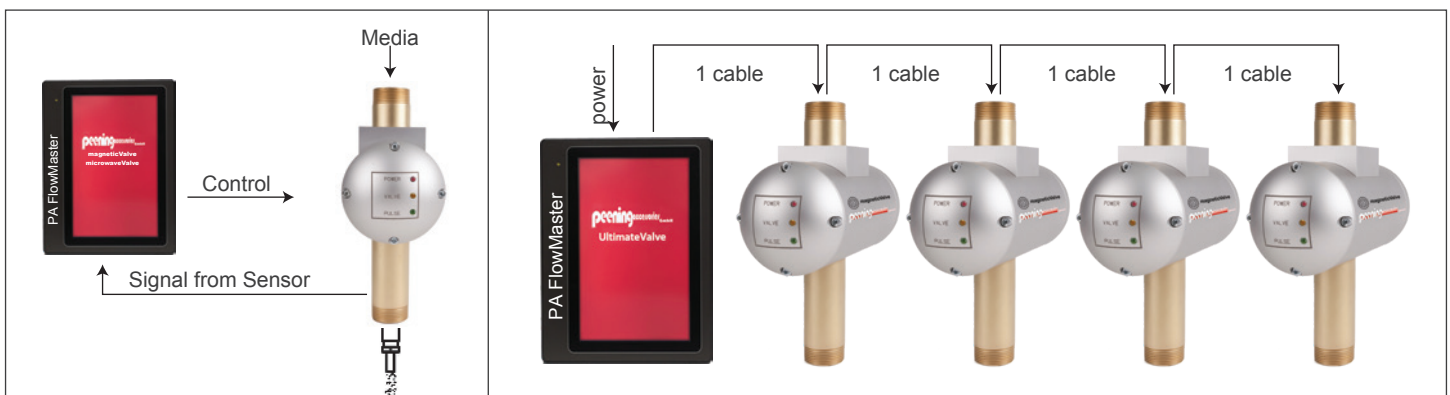
Easy retrofitting!
(same dimensions as existing suppliers)

Description

The unit is a precision control valve that regulates media in pressure or gravity feed peening and blasting machines. The valve has a built-in flow sensor that is able to provide closed loop feedback to the shot flow processor. The shot flow processor is a high end processing device which regulates the media flow rate with auto tune technology.

When connected to the PA FlowMaster, the configuration of the PA magneticValve can be retrieved and manipulated by the users for their desired applications. The equipment can be operated in two modes – manual mode or auto mode. Manual mode allows users to control the valve with constant flow rate, while auto mode enables auto tune technology to regulate the flow rate.

The PA magneticValve complies with AMS 2432 Rev E and other technical requirements. It only needs a 24V DC power supply to operate. The valve has no moving parts, which ensures a low maintenance operation.



Closed loop system using PA FlowMaster (sold separately) and PA magneticValve

Easy plug & play system with a minimum of cables. Valves connect in serial order.



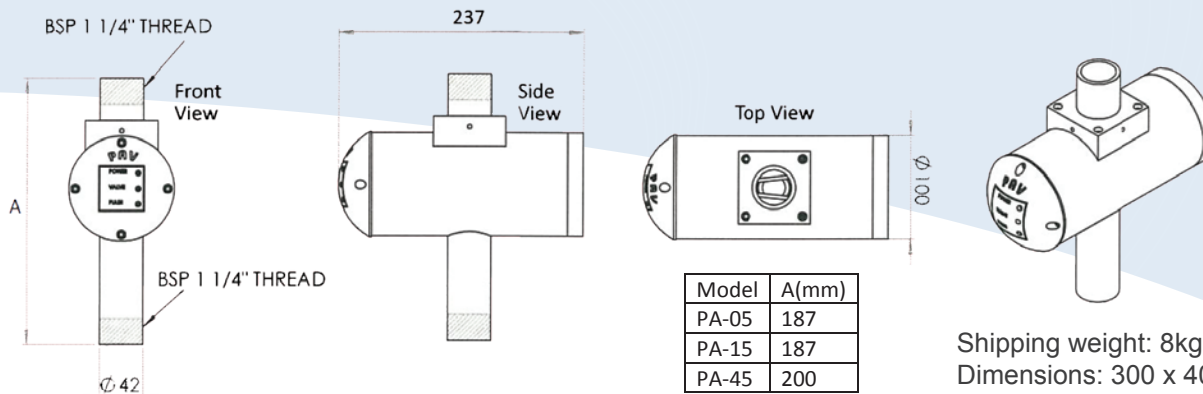
Contact the official distributor at:
Peening Accessories GmbH
Frohbergstr. 38, 8620 Wetzikon Switzerland

www.peening.ch

info@peening.ch

Specifications

Power	24 Vdc @ 2A (50 VA)
Media	Ferrous media except cast stainless steel
Maximum pressure	7 bar (100 PSI)
Mode	Manual/Auto
Temperature range	5° – 48 ° C (40 ° – 110 ° F)
Analog input	0 – 10 Vdc
Valve ON signal supply	24 Vdc
Flow sensor output	0 – 10 Vdc



Model	A(mm)
PA-05	187
PA-15	187
PA-45	200

Shipping weight: 8kg
Dimensions: 300 x 400 x 300mm

Price

PA5 magneticValve (FlowMaster sold separately)	Ref. No. 822 201	Price on request
PA15 magneticValve (FlowMaster sold separately)	Ref. No. 822 202	Price on request
PA45 magneticValve (FlowMaster sold separately)	Ref. No. 822 203	Price on request
Recalibration for 1 valve	Ref. No. 822 900-R	Price on request

PA FlowMaster (sold separately)

	Power	24 Vdc @ 0.5 A
	Analog input	0 – 10 Vdc
	Flow recording output	0 – 10 Vdc
	Flow enable output	24 Vdc @ 10 mA
	Temperature range	32 – 122 ° F (0 – 50 ° C)
	Dimensions	188mm (W) x 143mm (H) x 90mm (D)
	Display touchscreen	7"
	Functions	Flow rate display: Up to 4 valves! Substantial cost savings if more than one valve is in use.
		Valve status
		Standard configuration 6 languages: English, Spanish, French, German Chinese Simplified, Japanese. Other languages on request.
Up to 64 peening data recipes		
	Configuration	
	Alarm system	



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