

PA FlowMaster - Media Flow Controller

Purpose

Controller hub for media flow valve for steel shot media and cut wire for peening and blasting machines.

Model

PA FlowMaster 5
PA FlowMaster 15
PA FlowMaster 45
PA FlowMaster 150
PA FlowMaster 300
PA FlowMaster 500
PA FlowMaster 1000
PA FlowMaster 1500

Special Features

- Cost savings: One control handles up to four valves!
- 7" touchscreen: reduces hardware button damage; flexible on design.
- Six languages as standard configuration: English, French, German, Spanish, Japanese and Chinese. Additional languages on request.
- Up to 64 recipes that can contain flow rate and product name
- Instant adjustments to up to four different shot sizes (optional)
- Instant switch from kg/min to lb/min or vice versa
- Alarm - if connection lost to valve
- Adjustable alarm supervision delay for starting the process

Standard Features

- Displays product info: flow rate, valve status, configuration, alarm, settings, recipes
- Alarm system: flow rate upper/lower limit, connection lost
- Closed loop system, with FPGA technology, closed loop in real-time
- Remote commands and recorder output
- Digital I/O and analog signal card
- CE compliant
- Patented in USA and Europe

Description

The PA FlowMaster is a managing hub for all PA magneticValve series, which includes digital I/O and analog signals for communicating with industrial controllers. The PA FlowMaster has a built-in touchscreen that manages all valve operations. The controller has several important functions. It can be connected to up to four valves, supports up to six different display languages, has an auto/manual mode, an advanced alarm system and is very user friendly.



Choice of language, auto/manual, input signal, etc.



Up to 4 valves with alarm and on/off indication, target/actual flow rate



Choice of up to 4 shot sizes (optional)



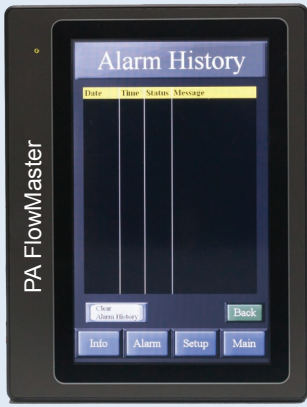
Choice of up to 64 recipes with flow rate and product name



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

 www.peening.ch

 info@peening.ch



Alarm history to track possible malfunctions



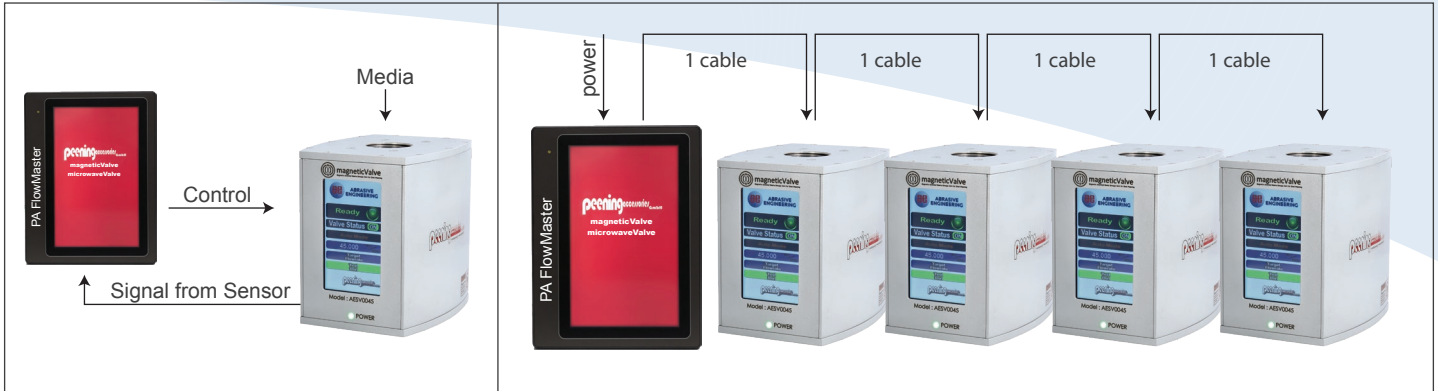
Info menu with general information



Main screen for all the different setup options



Alarm setup for tolerance and alarm delay



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

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

Specification

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 / Weight	188mm (W) x 143mm (H) x 90mm (D) - 2kg/pc
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 (Program mode)
	Configuration
	Alarm system

Calibration of Valve

The first calibration of the valve is done according to the shot size requested by the customer. However, the FlowMaster has the means to save different calibration algorithms that allow changes of media size without new calibrations. This is an optional feature. It requires the manufacturer to carry out an additional calibration for each shot size and valve that is leaving the site.

Presently calibration centers are available in Europe, Asia and the USA. If the customer requires calibration, it will be done without any time consuming overseas shipment and extensive paper work.



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Prices:

PA FlowMaster 5 (up to 5 kg/min)

PA FlowMaster 5-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 101-1	Price on request
PA FlowMaster 5-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 101-2	Price on request
PA FlowMaster 5-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 101-3	Price on request
PA FlowMaster 5-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 101-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	

PA FlowMaster 15 (up to 15 kg/min)

PA FlowMaster 15-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 202-1	Price on request
PA FlowMaster 15-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 202-2	Price on request
PA FlowMaster 15-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 202-3	Price on request
PA FlowMaster 15-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 202-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	

PA FlowMaster 45 (up to 45 kg/min)

PA FlowMaster 45-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 303-1	Price on request
PA FlowMaster 45-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 303-2	Price on request
PA FlowMaster 45-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 303-3	Price on request
PA FlowMaster 45-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 303-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	

PA FlowMaster 150 (up to 150 kg/min)

PA FlowMaster 150-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 404-1	Price on request
PA FlowMaster 150-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 404-2	Price on request
PA FlowMaster 150-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 404-3	Price on request
PA FlowMaster 150-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 404-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	

PA FlowMaster 300 (up to 300 kg/min)

PA FlowMaster 300-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 505-1	Price on request
PA FlowMaster 300-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 505-2	Price on request
PA FlowMaster 300-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 505-3	Price on request
PA FlowMaster 300-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 505-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	



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Prices:





PA FlowMaster 500 (up to 500 kg/min)

PA FlowMaster 500-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 606-1	Price on request
PA FlowMaster 500-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 606-2	Price on request
PA FlowMaster 500-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 606-3	Price on request
PA FlowMaster 500-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 606-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	

PA FlowMaster 1000 (up to 1000 kg/min)

PA FlowMaster 1000-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 707-1	Price on request
PA FlowMaster 1000-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 707-2	Price on request
PA FlowMaster 1000-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 707-3	Price on request
PA FlowMaster 1000-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 707-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	

PA FlowMaster 1500 (up to 1500 kg/min)





PA FlowMaster 1500-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 808-1	Price on request
PA FlowMaster 1500-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 808-2	Price on request
PA FlowMaster 1500-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 808-3	Price on request
PA FlowMaster 1500-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 808-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	

RECALIBRATION





Recalibration PA FlowMaster for <u>1</u> valve		Ref. No. 811 902-1R	€ 450/pc
Recalibration PA FlowMaster for <u>2</u> valves		Ref. No. 811 902-2R	€ 640/pc
Recalibration PA FlowMaster for <u>3</u> valves		Ref. No. 811 902-3R	€ 835/pc
Recalibration PA FlowMaster for <u>4</u> valves		Ref. No. 811 902-4R	€ 1020/pc
Inclusive: Calibration to requested media sizes			

Prices:





PA FlowMaster μ WValve 15 (up to 15 kg/min)

PA FlowMaster μ WValve 15-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 102-1	Price on request
PA FlowMaster μ WValve 15-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 102-2	Price on request
PA FlowMaster μ WValve 15-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 102-3	Price on request
PA FlowMaster μ WValve 15-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 102-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	





PA FlowMaster μ WValve 07 non-ferrous (up to 7 kg/min)

PA FlowMaster μ WValve 07-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 202-1	Price on request
PA FlowMaster μ WValve 07-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 202-2	Price on request
PA FlowMaster μ WValve 07-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 202-3	Price on request
PA FlowMaster μ WValve 07-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 202-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	

PA FlowMaster μ WValve 100 non-ferrous (up to 100 kg/min)

PA FlowMaster μ WValve 100-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 302-1	Price on request
PA FlowMaster μ WValve 100-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 302-2	Price on request
PA FlowMaster μ WValve 100-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 302-3	Price on request
PA FlowMaster μ WValve 100-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 302-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	

PA FlowMaster μ WValve 40 non-ferrous (up to 40 kg/min)

PA FlowMaster μ WValve 40-1 for <u>1</u> valve (valve sold separately)		Ref. No. 811 402-1	Price on request
PA FlowMaster μ WValve 40-2 for <u>2</u> valves (valves sold separately)		Ref. No. 811 402-2	Price on request
PA FlowMaster μ WValve 40-3 for <u>3</u> valves (valves sold separately)		Ref. No. 811 402-3	Price on request
PA FlowMaster μ WValve 40-4 for <u>4</u> valves (valves sold separately)		Ref. No. 811 402-4	Price on request
Inclusive: Calibration to requested media sizes		Box dimension: 27 x 21 x 8cm, Weight: 2.2kg	