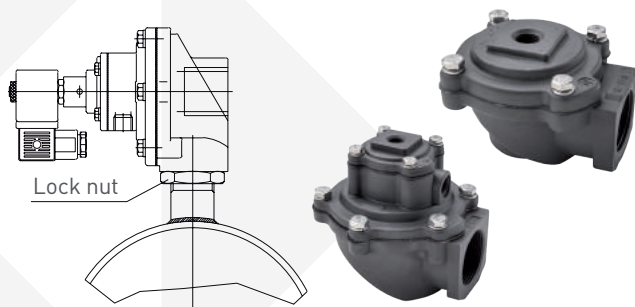


# MECAIR - 200 SERIES

## THREADED VALVES

### PRODUCT LEAFLET



### CONSTRUCTION FEATURES - VALVE

COVER	Diecast aluminium (anodised)
BODY	Diecast aluminium (anodised)
PILOT BASE	Aluminium (anodised)
PILOT	Stainless steel
DIAPHRAGM	NBR
BOLTS AND SCREWS	Stainless steel
DIAPHRAGM BACKING DISK	Stainless steel
DIAPHRAGM SPRING	Stainless steel

### DESCRIPTION

The 200 SERIES is a range of diaphragm valves suitable for dust collector applications, in particular for reverse pulse-jet filter cleaning of filter bags, cartridges, envelope filters, ceramic filters and sintered metal fibre filters. The 200 Series valve has the inlet port at 90° to the outlet port. The 200 Series range comprises 6 models, from 3/4" to 2 1/2", all with threaded female Gas connections. The 1 1/2" model is available in single and double diaphragm versions, while the 2" and 2 1/2" are all double diaphragm valves. The special design assures an extremely fast opening time, high flow rates and easy installation. The valves are constructed in diecast aluminium and have an anodised protection treatment which protect them from corrosive and environmental agents. Bolts and screws are in stainless steel. The 200 Series is available in the following versions:

- **VNP**, with integrated solenoid pilot
- **VEM**, with remote pneumatic connection.

Upon request: Integral pilot valves with ATEX Certification: • ATEX II 3 D (94/9/CE); for the above approved model the correct code to use is VEM+PV 24V/DCX (solenoid coil is 24 V-DC/18 W and DIN connector in conformity with the ATEX Directive 94/9/CE) (PLG11-ATEX). Remote pilot valves meet the requirements of: • ATEX II 2 GD when mounted with PXA Pilot or CXD Enclosure (94/9/CE).

### GENERAL CHARACTERISTICS

FLUIDS	Filtered air and oil free
DIAPHRAGM	Standard Nitrile: -20°C/+80°C Optional Viton: -30°C/+200°C
PRESSURE RANGE	From 0.5 to 7.5 bar

### ELECTRICAL CHARACTERISTICS - SOLENOID

COIL INSULATION	Class H
DIN SOCKET CONNECTOR	Pg9 connection (cable entry)
DIN SOCKET STANDARD	EN175301 - 803 (previously DIN 43650A) / A/ISO 4400
DIN SOCKET OPTIONAL	94/9/CE ATEX II 3GD T6
ISOLATION CLASS DIN SOCKET	VDE 0110 - 1/89
ELECTRICAL PROTECTION	IP65 EN60529
VOLTAGE RANGE	12 V DC (supply +10% max.) 18 W 24 V DC (supply +10% max.) 18 W 48 V DC (supply +10% max.) 18 W 110 V DC (supply +10% max.) 18 W 24 V 50/60 Hz (supply +10% max.) 38/31 VA 48 V 50/60 Hz (supply +10% max.) 41/32 VA 115 V 50/60 Hz (supply +10% max.) 63/53 VA 220/240 V 50/60 Hz (supply +10% max.) 46/37 VA
AMBIENT TEMPERATURE	-20°C/+60°C

MODEL	PORT SIZE Ø	NO. DIAPH.	PRESSURE RANGE (BAR)		WEIGHT KG	COIL	KV	CV
			MIN.	MAX.				
VNP206	3/4"	1	0.5	7.5	0.55	Yes	10	11.6
VNP208	1"	1	0.5	7.5	0.65	Yes	21	24.4
VNP212	1 1/2"	1	0.5	7.5	1.4	Yes	37	43.0
VNP214	1 1/2"	2	0.5	7.5	1.5	Yes	44	51.2
VNP216	2"	2	0.5	7.5	2.5	Yes	78	90.7
VNP220	2 1/2"	2	0.6	7.5	3.3	Yes	96	112
VEM206	3/4"	1	0.5	7.5	0.25	No	10	11.6
VEM208	1"	1	0.5	7.5	0.35	No	21	24.4
VEM212	1 1/2"	1	0.5	7.5	1.1	No	37	43.0
VEM214	1 1/2"	2	0.5	7.5	1.2	No	44	51.2
VEM216	2"	2	0.5	7.5	2.2	No	78	90.7
VEM220	2 1/2"	2	0.6	7.5	3	No	96	112

### HOW TO ORDER

Part Number Code:

**VEM/VNP 2 08 110/50**

Valve

N VNP - with integral pilot  
E VEM - without pilot

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"200 Series"

Voltage and frequency required

Valve connection diameter

- 06 = 3/4"
- 12 = 1 1/2" (single diaphragm)
- 14 = 1 1/2" (double diaphragm)
- 16 = 2"
- 08 = 1"
- 20 = 2 1/2"