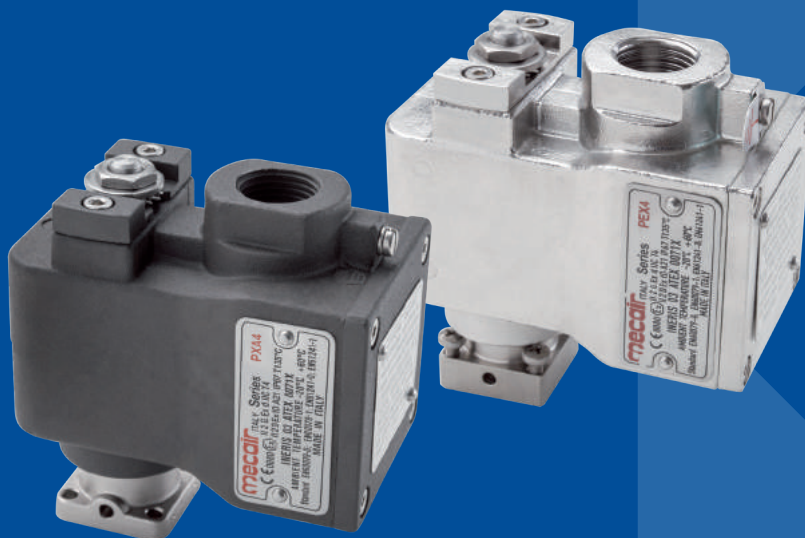




PXA/PEX

HAZARDOUS PILOTS

MECAIR - PXA/PEX

HAZARDOUS PILOTS

PRODUCT LEAFLET



DESCRIPTION

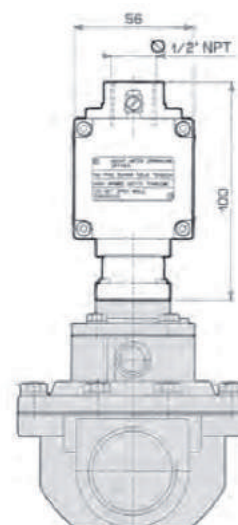
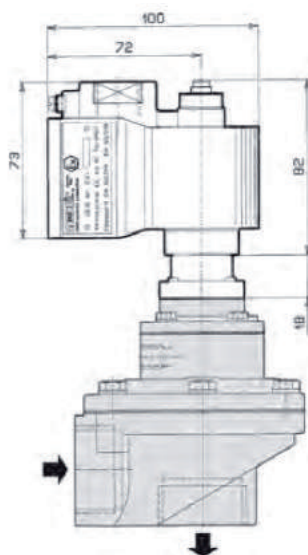
The two-way (normally closed) explosion-proof pilot model PXA 42F and PEX 42H is specifically designed to be installed on diaphragm valves type VEM. The PXA 42F and PEX 42H explosion-proof solenoid valve is designed for those applications where introduction of a spark may ignite the surrounding atmosphere. The PEX and PXA series has been designed and approved according to the ATEX Directive 94/9/CE and has II 2 G Ex d IIC T4 - II 2 D Ex tD A21 IP67 T135°C, IP67 water resistant, which ensures that any spark occurring within the solenoid will remain restricted within the internal area of the enclosure, with no possibility of spreading to the external environment.

GENERAL CHARACTERISTICS

PROTECTION	II 2 Ex tD A21 IP67 T135°C
COIL INSULATION	Class H
COIL VOLTAGE	24 V AC – 50 Hz 24 V AC – 60 Hz 110/220 V – 50/60 Hz 24/110 V DC
POWER CONSUMPTION	19 VA/AC 12 W/DC
ENCLOSURE	Explosion-proof II 2 G Ex d IIC T4 - II 2 D Ex tD A21 IP67 T135°C
ELECTRICAL CONNECTION	R 1/2" or 1/2" NPT
APPROVALS INERIS	INERIS 03 ATEX 0071XII 2GD

SOLENOID PILOT	PXA42F	PXA42H	PEX42F	PEX42H
SOLENOID ENCLOSURE	Diecast aluminium – anodised	Diecast aluminium – anodised	Stainless steel	Stainless steel
SCREWS AND BOLTS	Nickel-plated brass	Stainless steel	Nickel-plated brass	Stainless steel
COIL VOLTAGE	Stainless steel	Stainless steel	Stainless steel	Stainless steel
GASKETS	Nitrile rubber	Nitrile rubber	Nitrile rubber	Nitrile rubber
WEIGHT	0.8 kg	0.8 kg	1.5 kg	1.5 kg

PXA/PEX



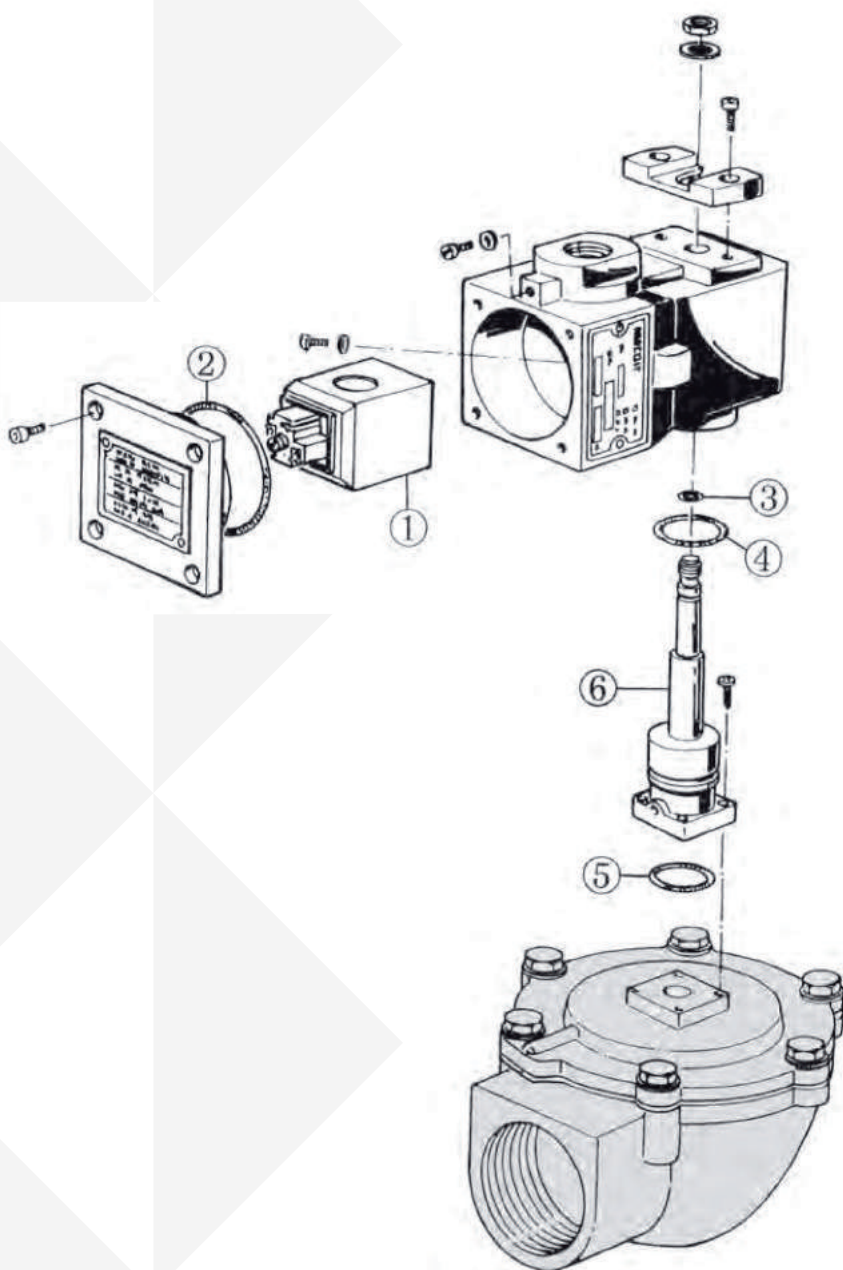
MECAIR - PXA/PEX

HAZARDOUS PILOTS

PRODUCT LEAFLET

ASSEMBLY DIAGRAM

PXA/PEX



MECAIR - PXA/PEX

HAZARDOUS PILOTS

PRODUCT LEAFLET

DESCRIPTION

Mecair manufactures a complete range of explosion-proof solenoid pilots for compressed air or inert gas, in the 2- or 3-way version (normally closed). Bolts and screws are in stainless steel; gaskets are in NBR. Operating pressure range is from 0.5 to 8 bar. The explosion-proof pilot is certified II 2 G Ex d IIC T4 - II 2 D Ex tD A21 IP67 T135°C. The explosion-proof solenoid coils are in conformity with the European directive – ATEX 94/9/CE. The explosion-proof pilots can be mounted on Namur valves, industrial valves and any other valve where the use of a 2-way or 3-way valve is required.



GENERAL CHARACTERISTICS

FLUIDS	Filtered, oil-free air or inert gas
PNEUMATIC CONNECTION	1/4" Gas
PROTECTION	II 2 D Ex tD A21 IP67 T135°C
COIL INSULATION	Class H
TEMPERATURE RANGE – SOLENOID COIL	-20°C/+80°C
COIL VOLTAGE	24 V AC – 50 Hz 24 V AC – 60 Hz 110/220 V AC – 50/60 Hz 24/110 V DC
ENCLOSURE	II 2 G Ex d IIC T4 - II 2 D Ex tD A21 IP67 T135°C Orientation in various positions
ELECTRICAL CONNECTION	1/2" NPT 1/2" NPT
APPROVALS INERIS	INERIS 03 ATEX 0071X II 2GD

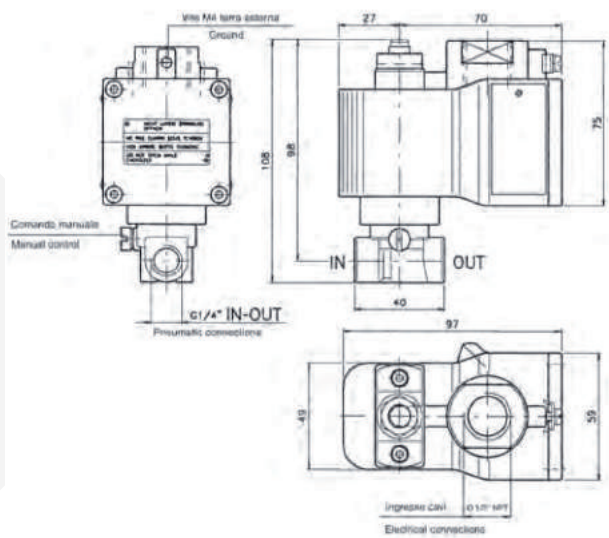
MODEL	N. WAYS	Ø ORIFICE [MM]	ENCLOSURE	PILOT BODY	WEIGHTING KG
PEX42X	2	4	Stainless steel	Diecast aluminium – anodised	1.3
PEX42T	2	4	Stainless steel	Nickel-plated brass	1.3
PEX43T	3	1.5	Stainless steel	Nickel-plated brass	1.3
PXA42X	2	4	Diecast aluminium – anodised	Diecast aluminium – anodised	0.7
PXA42T	2	4	Diecast aluminium – anodised	Nickel-plated brass	0.7
PXA43T	3	1.5	Diecast aluminium – anodised	Nickel-plated brass	0.7

MECAIR - PXA/PEX

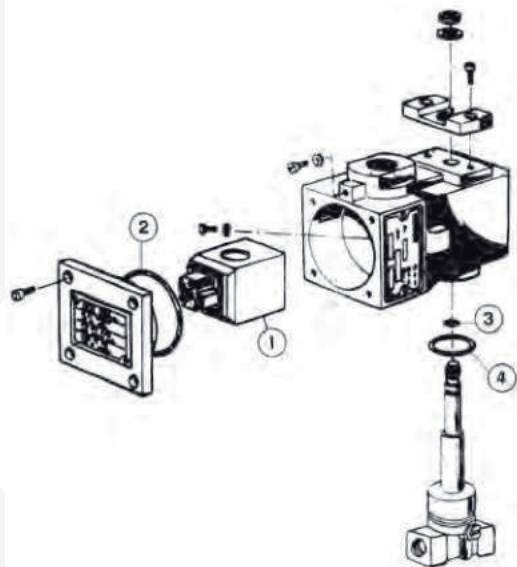
HAZARDOUS PILOTS

PRODUCT LEAFLET

DIMENSIONS (MM)



ASSEMBLY DIAGRAM





MECAIR SRL

VIA BERTACCIOLA, 50, 20813 BOVISIO MASCIAGO (MB), ITALY WWW.GOYENMECAIR.PENTAIR.COM

Note: The information and data contained in this document are based on our general experience and are believed to be correct. They are given in good faith and are intended to provide a guideline for the selection and use of our products. Since the conditions under which our products may be used are beyond our control, this information does not imply any guarantee of final product performance and we cannot accept any liability with respect to the use of our products. The quality of our products is guaranteed under our conditions of sale. Existing industrial property rights must be observed.

PL PENTAIR MECAIR HAZARDOUS PILOTS 3517 © 2017 Pentair. All Rights Reserved.