

SERIAL SOLUTION

TWO WIRE SYSTEM

RPB-612

Serial metal pilot box from 4 to 12 outputs.



The REMOTE PILOT BOX (RPB-612) are aluminium pilot boxes to be used with our SERIAL SOLUTIONS. It can control from 4 to 12 pneumatic valves. The electronics inside is resin bonded and protected from attack by external agents. Thanks to the reduced size, the tool is extremely robust, compact and easily adaptable to any kind of tank. As an option, it can be provided with an heating system controlled by an internal thermostat, working at temperatures of less than 5°C. With the heating system the controlled is allowed working up to -40°C. The modularity and versatility pairing with the device ECOSERIAL are the ideal solution for any type of filtration system with a large number of valves, since they eliminate the considerable cost of the electrical connections.

PRODUCT CERTIFICATIONS

STANDARD



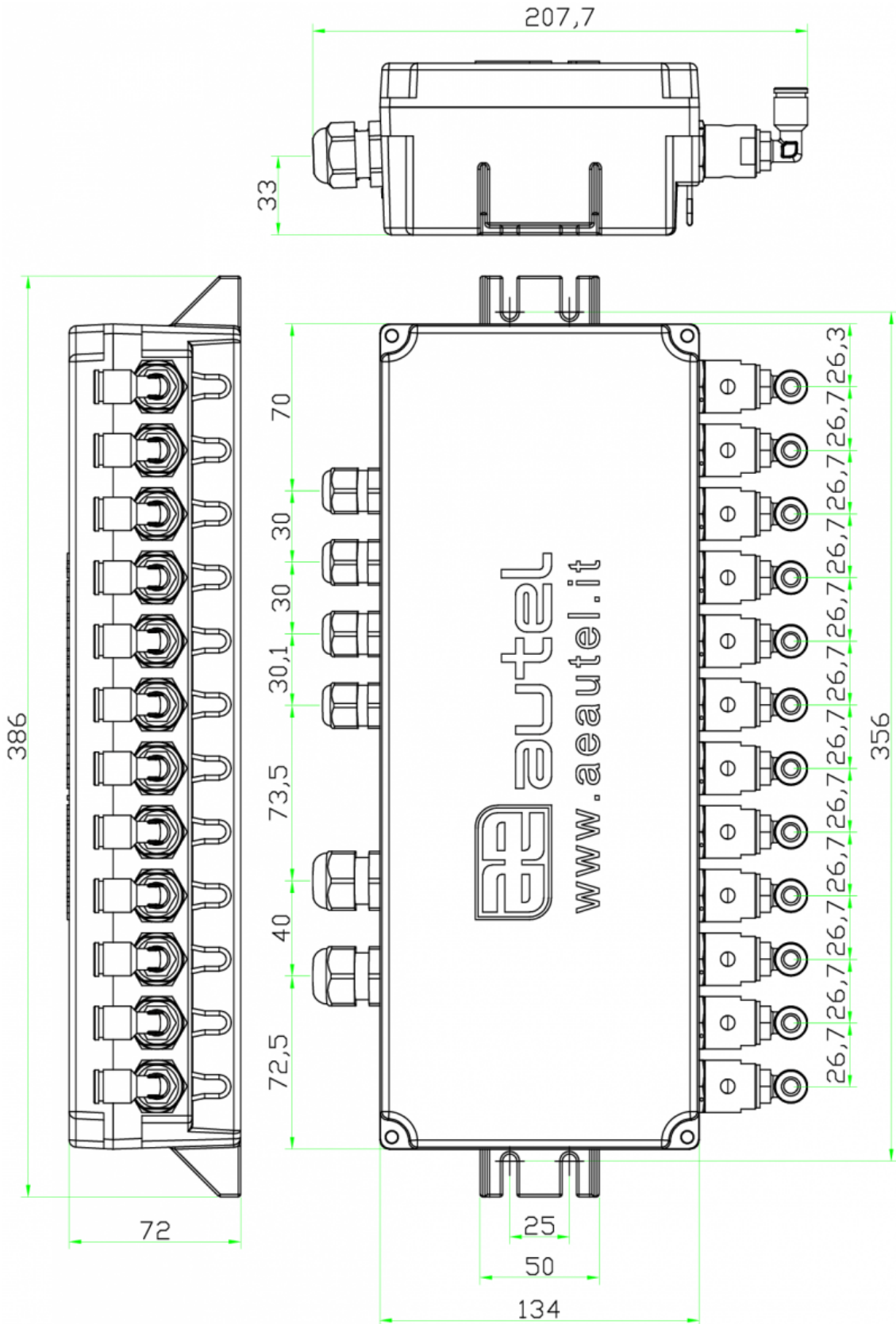
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TECHNICAL SPECIFICATIONS

Main Features	Features	Values
Dimensions	External Dimensions (L x H x W mm)	346x134x72
	Weight (kg)	4,4-4,8
Protection	Protection Level (standard)	IP66, TYPE 4X
Temperature	Working Temperature (°C)	-20... +60 standard version, -40... +60 with heaters
Power Supply	Power Supply Range (standard)	12..30Vdc from MASTER
	Power Consumption	7W
Outputs	Coils Control Voltage	24Vdc
Functions	Cyclic Management	ok
System	Type	SLAVE
	Maximum number of coil	12
	Type of control driver	BUS

DIMENSIONAL LAY-OUT





HOW TO ORDER

RPB612- x - Hy - EXz(optional) - thr - FTk(optional)

x= 4,5,6,7,8,9,10,11,12 . Number of electro-valves installed.

Hy= H1 or H2.

H1= 1 heater installed;

H2= 2 heater installed. Not available on Atex/IECex version and **cURus** version.

EX = EX1 or EX2.

Ex1=ATEX/ IECex zone 1/2/21.

Ex2=ATEX zone 22 (optional)

thr = BSP or NPT ¼" female thread on electro-valve body. (if not specified -> ¼" BSP)

FTk=

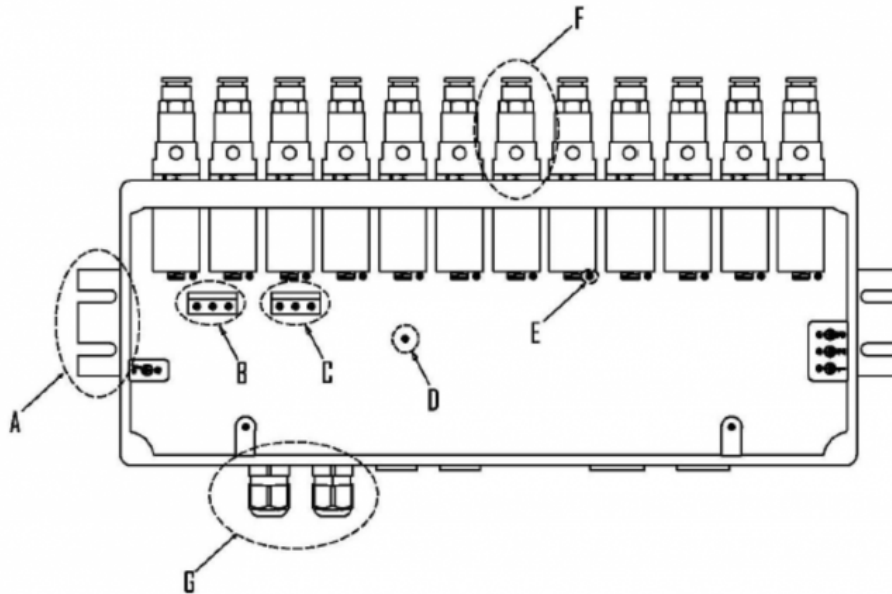
- 0 or not specified: ¼" BSP Elbow fitting for 6 x 8 mm plastic tubing.
- 1: ¼" NPT Elbow fitting for ¼" plastic tubing.
- 3: ¼" NPT Elbow fitting for 6 x 8 mm plastic tubing.
- 4: ¼" NPT Swagelock Fitting for ¼" Stainless steel tubing.
- 5: ¼" BSP Parker Fitting for ¼" Stainless steel tubing.
- 6: ¼" BSP Generic Fitting for ¼" Stainless steel tubing.

Examples 1: RPB612-12-EX1-BSP-FT6 :

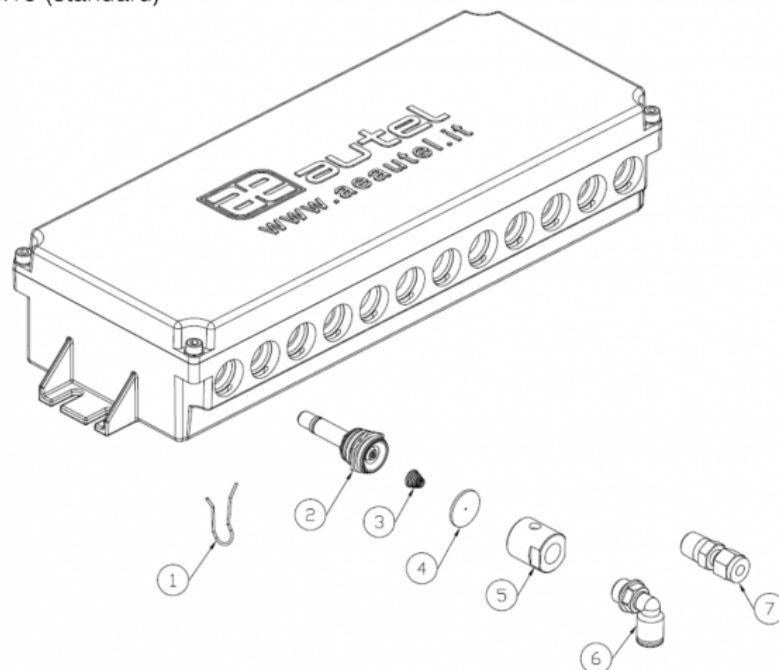
RPB612 Box with 12 electro-pilots, Atex IECex zone1/21, electrovalve body with NPT thread, ¼" BSP Generic Fitting for ¼" Stainless steel tubing.



DESCRIPTION



- A: Fixing brackets
- B, C: Power supply (signal) terminals (max cable section: 2,5 mm plait, 4 mm single wire)
- D: LED to show electrical board power supply.
- E: LED to show coil activation.
- F: Electro-valve
- G: Cable glands Skintop M16 (standard)



- 1: Fixing Clip.
- 2: Electro-valve pilot.
- 3: Electro-valve internal spring.
- 4: Electro-valve internal diaphragm.
- 5: Electro-valve body. Standard with Female BSP 1/4" Thread. Optional with Female NPT 1/4" thread.
- 6: Elbow fitting for tubing to pulse jet valve. Standard BSP 1/4" Thread for 6x8 mm plastic tubing.
- 7: Optional fittings for Stainless steel connection : Swagelock, Parker

ELECTRICAL CONNECTION

MASTER:
ECOSERIAL-P
ECOSERIAL-2
ECOSERIAL-1

