CLASSIC SOLUTION

PILOT BOXES

SPV

The best way to organize the wiring with classic electrical controllers.

The SIMPLE PILOT VALVES is a new generation of painted aluminium pilot box usable to control and manage pneumatic valves.
The box can be provided from a minimum of 4 to a maximum of 12 pilots.
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.
It is usually combined with an Ecomatic economizer: electrical impulses coming from the instrument command (in sequence) coils placed in the box and activate the pneumatic pilot. Each pilot is connected via Rilsan tube to the upper chamber of the valve of the tank and at each pulse commands the pneumatic valve.
This box are provided of M20 and two M16 cable glands.
It is possible to demand more cable glands or special cable glands, according to customer's specification.
The modularity and versatility combined ECOMATIC - SIMPLE PILOT VALVES is the perfect solution for any type of filtration plant.

3 WARRANTY YEARS

PRODUCT CERTIFICATIONS

STANDARD

CE

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Ex 2GD

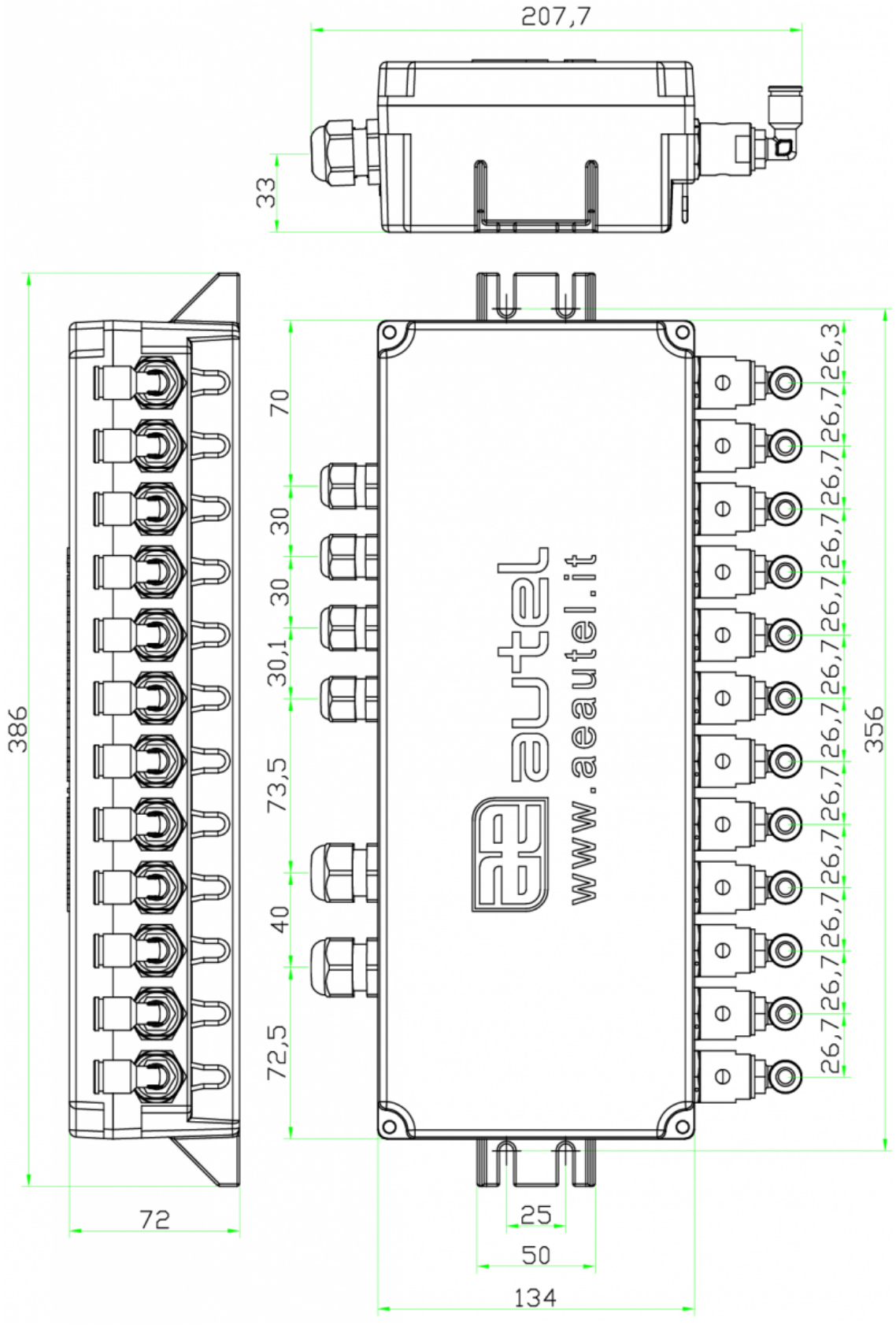
TECHNICAL SPECIFICATIONS

Main Features	Features	Values
Dimensions	External Dimensions (L x H x W mm)	346x134x72
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)	24Vdc, 24Vac/115Vac/230Vac 50Hz
	Power Consumption	24Vdc 5W, 24Vac/50Hz 5VA, 115Vac/50Hz 5VA, 230Vac/50Hz 5VA
Functions	Cyclic Management	ok

TECHNICAL SPECIFICATIONS

Main Features	Features	Values
System	Type	SLAVE
	Maximum number of coil	12

DIMENSIONAL LAY-OUT

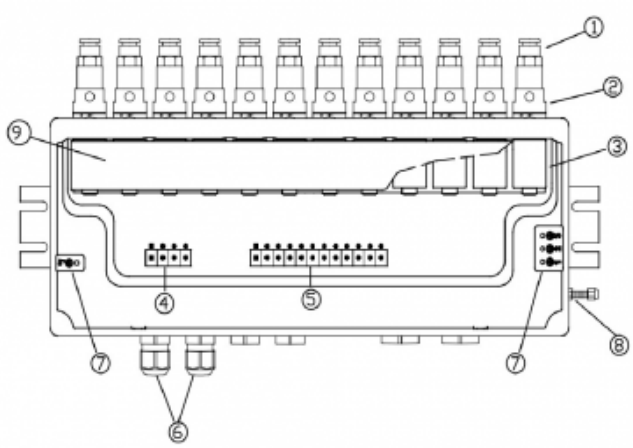


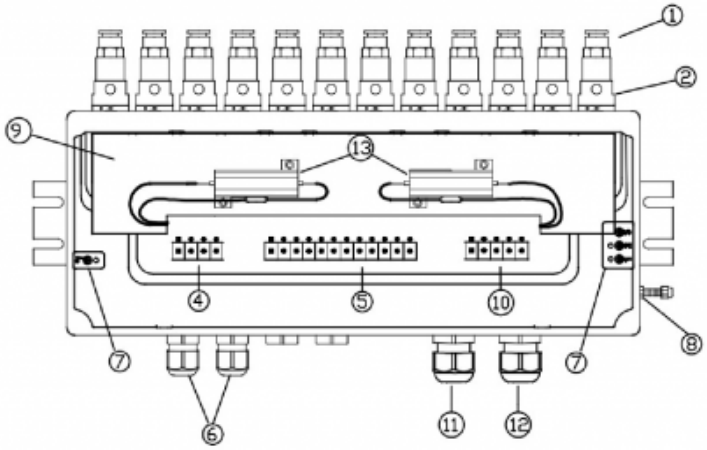
HOW TO ORDER

SPV- x - vvv- Hy - EXz(optional) - thr - FTk (optional)

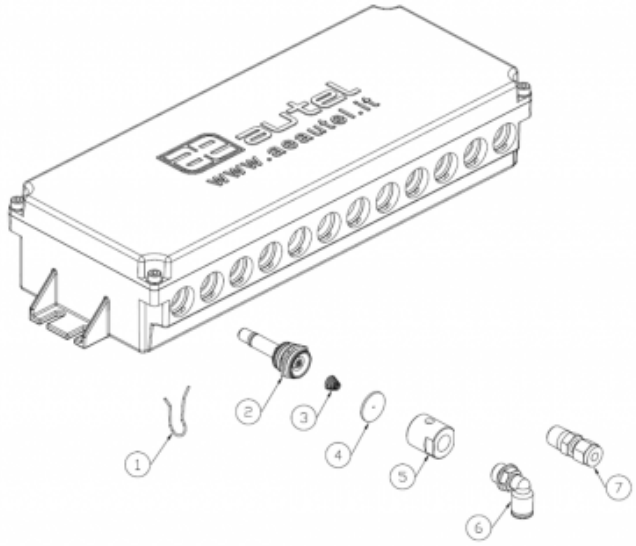
"x" : Number of electro-valves installed
Choose to 4, 5, 6, 7, 8, 9, 10, 11, 12
"vvv" : Voltage selection
Choose to 020 : 24 Vdc
025 : 24 Vac
115 : 115 Vac
225 : 230 Vac
"Hy" : Heater
Choose to H1 : 1 Heater installed
H2 : 2 Heater installed
Not available on Atex / IECex version
"EX" : Ex
Choose to Ex1 : ATEX / IECex zone 1/2/21
Ex2 : ATEX zone 22 (optional)
"thr": Female thread on electro-valve body
Choose to BSP (STANDARD)
NPT ¼"
"FTk" = Fittings
Choose to 0 or not specified: ¼" BSP Elbow fitting for 6 x 8 mm plastic tubing. (STANDARD)
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

DESCRIPTION





1 – Fittings
2 – Pilots for pneumatic valves
3 – Solenoids
4, 5 – Terminal boards to control the relay
6 – M16 cable gland for the power supply
7 – Box connection for grounding
8 – External box connection for grounding
9 – Aluminium plate for heater (when required)
10 – Terminals for heater's power supply
11, 12 – M20 cable glands for heater's power supply
13 – Heating resistors



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 ¼" Thread. Optional with Female NPT ¼" thread
6 – Elbow fitting for tubing to pulse jet valve. Standard BSP ¼" Thread for 6x8 mm plastic tubing
7 – Optional fittings for Stainless steel connection : Swagelock or Parker

ELECTRICAL CONNECTION