

DESCRIPTION

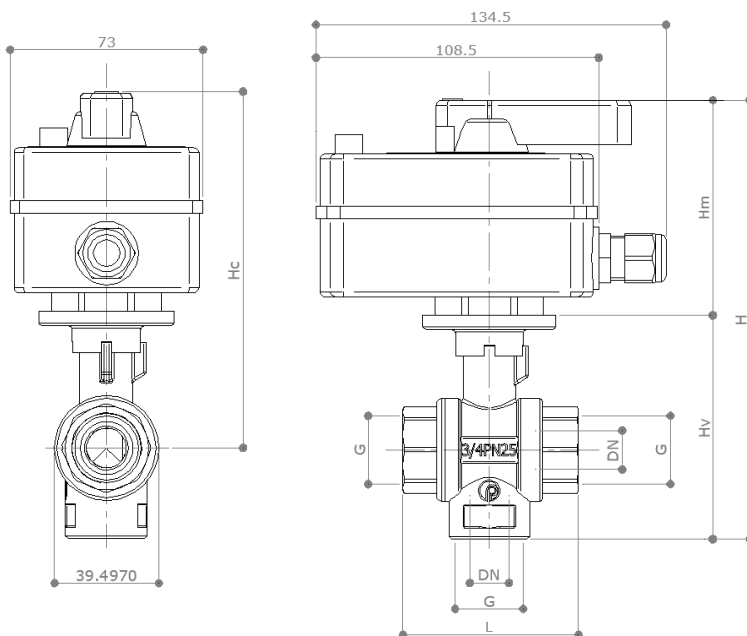
PE88M+SM90

The PE88M+SM90 diverter is a motorized three-way ball valve ("L" PORT type) that has been developed to divert the flow between the heating and domestic hot water production systems.

Actuators available in 230V or 24V Operating time 30sec.
Control ON/OFF



DIMENSIONS



	PPE88MEC34 + SM90.xxx	PPE88MEC1 + SM90.xxx	PPE88MEC114 + SM90.xxx
DN	15	20	25
G	3/4"	1"	1 1/4"
L	67.5	80	90
Hc	135	139	145
Hv	86	96	109
Hm	83	83	83
H	169	179	192

VALVE - MATERIALS AND FEATURES

Valve Body	Brass CW617N - UNI EN 12165 – Nickel plated
Ball	Brass CW617N - UNI EN 12165 – Chromel plated
Fitting	Brass CW617N - UNI EN 12165 – Nickel plated
O-Ring	NBR
Seats	PTFE
O-ring on the Stem	EPDM
Stem	Brass CW614N - UNI EN 12165
Temperature range	5° /100°C
Max operating pressure	25 bar

ACTUATOR - CONSTRUCTION

The structure is made of self-extinguishing plastic (UL 94 VO) to high mechanical strength (30% FV polycarbonate cover and base, 60% FV polyamide transmission plates) and is equipped with a cable-press M16x1.5 (always in Polyamide, self-extinguishing). The gears are made of steel.
The product complies with the essential requirements of the following directives: CEE 89/336 - 73/23 - 93/68; EU 2002/95 / EC; EU 2002/96 / EC (ROHS and WEEE).



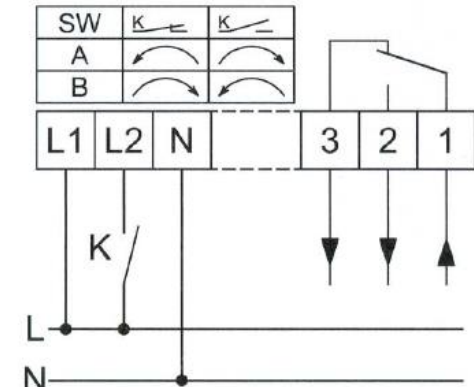
OPERATION

The SM 90 actuator can be controlled by an ON-Off regulator (**thermostat, remote control switch, manual switch**). The standard equipment is complemented by an auxiliary switch with output to three points with potential-free contacts

The angular stroke is adjusted to 90° in factory. In the absence of electricity, you can manually position the servomotor by pressing the button on the cover and turning the handle.

When the electricity supply is restored, the servomotor automatically will resume the position imparted by the regulator

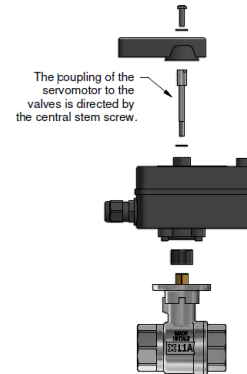
ELECTRICAL SCHEME



WARNING

The installation and electrical connection must be performed by staff qualified and in compliance with applicable regulations

VALVE & ACTUATOR COUPLING



TECHNICAL DATA

Power supply	230 VAC ±10% - (50 - 60 Hz)
On request	24 VAC ±10% (50 - 60 Hz)
Absorption	4 VA
Time for 90° rotation	30 sec.
Max torque	10 Nm
Protection degree	IP65
Auxiliary microswitch	10 (2) A 250 VAC EN 61058-1
Max connection power	400 VA
Working temperature	-10° +50°C no condensation
Weight	0,450 Kg
Valve connection	Central stem screw

PRESSURE DROP

