

E987/E988 - Electrically Actuated 3 Way Stainless Steel Ball Valve



Valve Features:

- 3 Way Stainless Steel Ball Valve
- Screwed BSP Taper
- RPTFE (15%) Seats
- PTFE/Viton Seals
- T-port (E987) or L-port (E988) valve options available

Actuator features:

- IP67 Enclosure (glass-reinforced polyarylamide techno-polymer)
- 2 point or 3 point control
- 2 feedback micro-switches
- 2 cable gland electrical entries

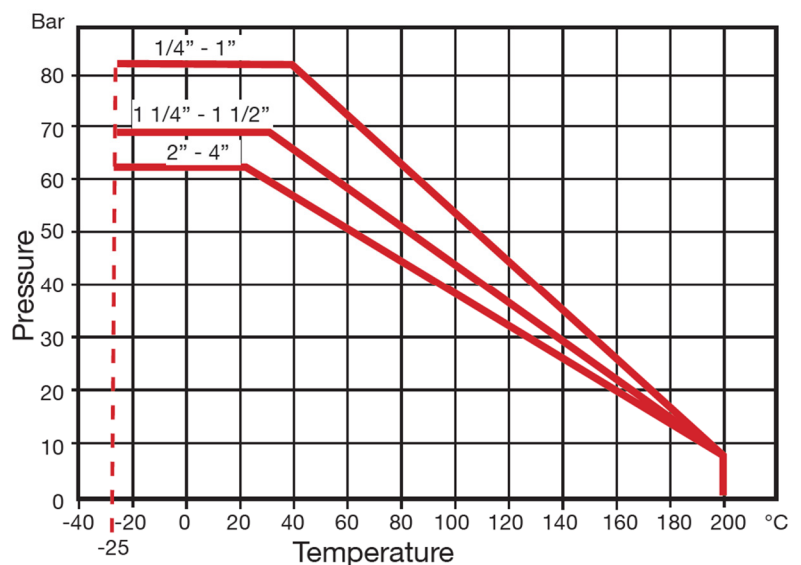
Actuator Options:

- 12vDC, 24v AC/DC, 110v AC, 230v AC
- Fast and slow operating speeds available
- SMART actuator option with WIFI configuration
- Positioning Actuator
- Fail safe super-capacitor
- Anti-condensation heater
- Manual override (AC only)

Technical Data:

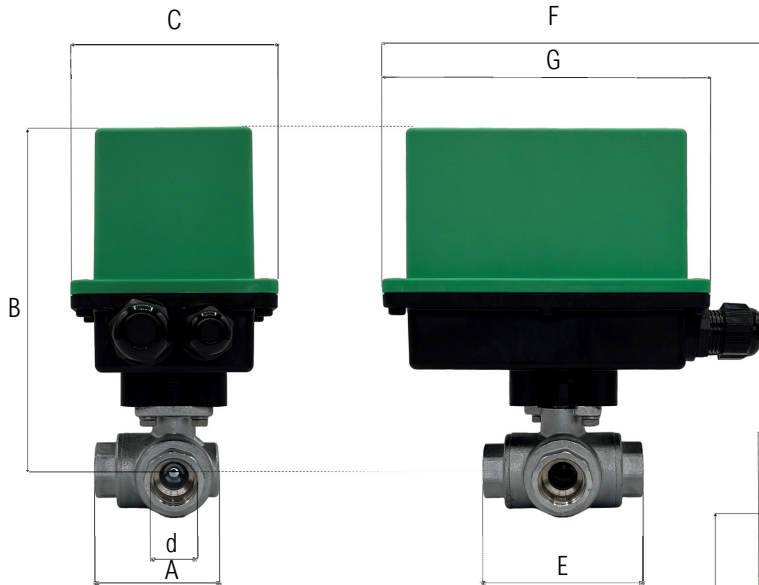
- Max pressure:
 - 1/4" - 1" - 82 Bar
 - 1 1/4" - 1 1/2" - 69 Bar
- Valve Working temperature:
 - 25°C to +200°C
- Ambient temperature:
 - 10°C +50°C

Pressure / Temperature:



E987 (T-port) E988 (L-port)

Dimensions: DC Actuator



Operating Speeds:

Diamant Pro AC: 35 seconds

Diamant Pro DC: 12 seconds

Compact Pro AC : 45 seconds

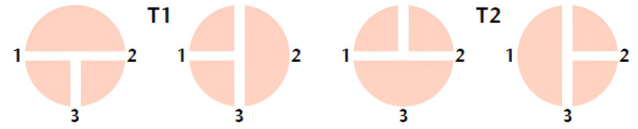
Compact Pro DC: 30 seconds

Universal Pro (AC only): 55 seconds

For faster operating speeds please contact us.

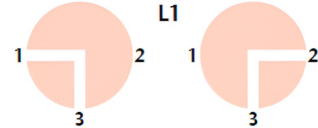
T-port or L-port?

T-port valves provide flow straight through the valve. i.e. 1 > 2 or 2 > 1.
When operated flow is diverted to either 1 > 3 / 3 > 1 or 2 > 3 / 3 > 2

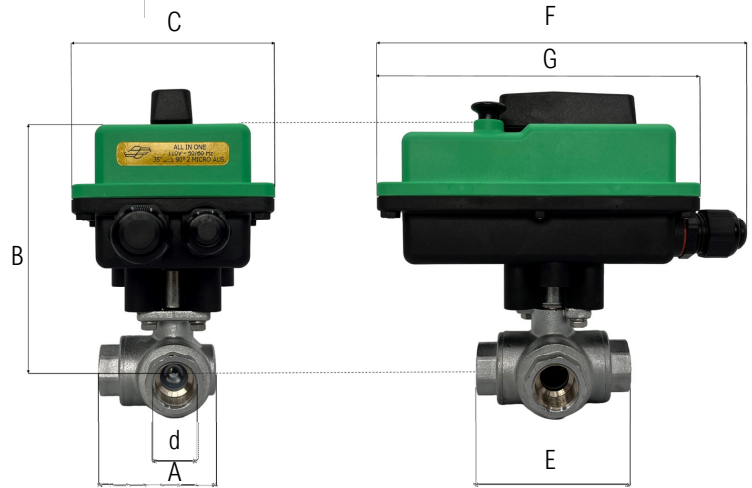


L-port valves are used for diverting or mixing applications.

i.e. 1 > 3 / 3 > 1 or 2 > 3 / 3 > 2



AC Actuator



Actuator	Diamant Pro				Compact Pro		Universal Pro
	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
d	9.5	11	12	25	20	15	32
A	57.5	57.5	57.5	65.5	79	97	106.5
B (DC)	159.8	159.8	159.8	164.2	173.5	183	NA
B (AC)	124.58	124.8	124.8	129.2	142.5	152	174
C	95	95	95	95	95	95	139
E	75	75	75	85	100	122	131
F	168	168	168	168	197	197	229
G	144	144	144	144	171	171	204

Note: Height of optional manual-override lever = Diamant Pro 20mm, Compact Pro 27mm

Dimensions in mm

Specification is subject to change without prior notice

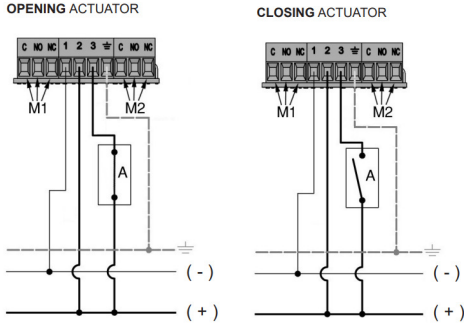
Actuator Wiring Information:

DC Actuator



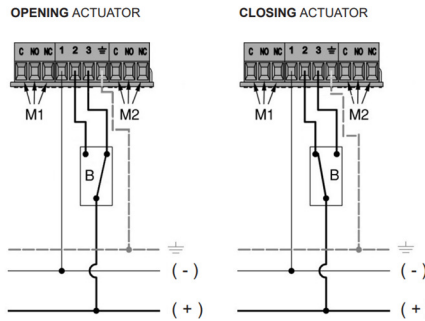
2 Point Control - On/Off (Switch)

The voltage on terminal 3 can be supplied by means of a switch.
One electric control can activate several actuators.



3 Point Control - On/Off (Changeover)

Voltage should be diverted to terminal 2 or 3.
Each actuator must be operated by a single electric control.



- 1 - Negative (-)
- 2 - Closing control (+)
- 3 - Opening control (+)
- M1 - Opening auxiliary micro
- M2 - Closing auxiliary micro

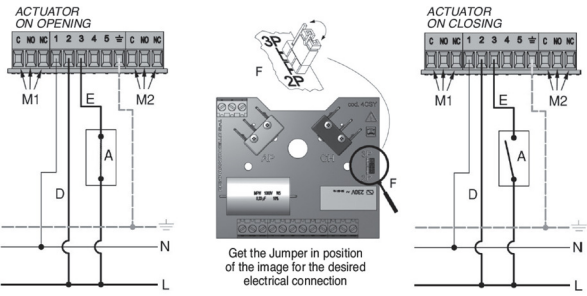
- B - Deviator-type control
- ⊕ - Earth

If powered by alternating current
(-) = Neutral
(+) = Phase

AC Actuator

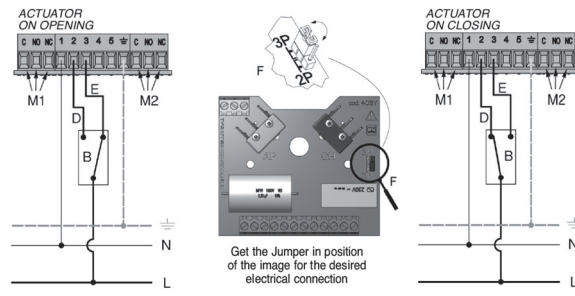
2 Point Control - On/Off (Switch)

Terminal 1: neutral;
Terminal 2: fixed closing phase
Terminal 3: opening phase
The phase to terminal 3 can be supplied by means of a switch.
One electric control can activate several actuators.



3 Point Control - On/Off (Changeover)

Terminal 1: neutral; Terminal 2: closing phase;
Terminal 3: opening phase
Phase shall be diverted to terminal 2 or terminal 3
Each actuator must be operated by a single electric control



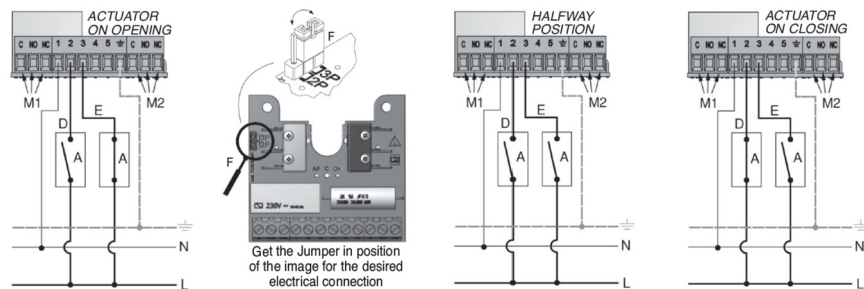
- KEY:
- 1 - Neutral
 - 2 - Closing phase
 - 3 - Opening phase
 - 4 - Outlet opening phase
 - 5 - Outlet closing phase

- B - Switch-type control
- D - Closing
- E - Opening
- F - Jumper
- ⊕ - Earth

3 Point Control - Modulating (2 Switches)

Terminal 1: neutral;
Terminal 2: fixed closing phase
Terminal 3: opening phase

The phase can be diverted to terminal 2, terminal 3 or to none of them, in order to obtain partial openings of the valve.



- KEY:
- 1 - Neutral
 - 2 - Closing phase
 - 3 - Opening phase
 - 4 - Outlet opening phase
 - 5 - Outlet closing phase

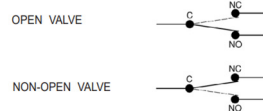
- A - Switch-type control
- D - Closing
- E - Opening
- F - Jumper
- ⊕ - Earth

- OPTIONAL
- C - Common
 - NO - Normally open
 - NC - Normally closed
 - M1 - Opening additional microswitch
 - M2 - Closing additional microswitch

This is necessary for modulating the flow when a regulation is needed. Each actuator must be operated by a single electric control

Optional Auxiliary Microswitches:

M1 • OPENING AUXILIARY MICROSWITCH



M2 • CLOSING AUXILIARY MICROSWITCH

