ASCA

MOTORISED VALVES

stainless steel body threaded ports, 3/8 - 1/2 - 3/4



FEATURES

- High flow due to angled seat design
- Anti-waterhammer design (fluid entry under the disc)
- Actuator rotatable through 360°
- Maintaining position or closing (see options) of the valve in case of power failure
- Fluid isolation between electrical actuator and valve body
- LED valves status display
- The valves satisfy Pressure Equipment Directive 97/23/EC, article 3.3
 The motorised valves comply with the essential requirements of EMC Directive 2004/108/EC (EN-IEC 61000-6-2) and Low Voltage Directive 2006/95/EC (EN-IEC 60730)
- Vacuum operation up to 10-2 mbar
- The valve's satisfy all relevant EC Directives and with the provisions of the Directive RoHS 2



Differential pressure See «SPECIFICATIONS» [1 bar =100 kPa]

Maximum allowable pressure 10 bar Ambient temperature range -10°C to +50°C **Maximum viscosity** 600 cSt (mm²/s)

< 1.3 s (opening) / < 1,3 s (closing) **Actuating time**

fluids (*)	temperature range (TS)	seal materials (*)
air and gas groups 1 & 2 water, oil, liquids groups 1 & 2	-10°C to +90°C	NBR (nitrile)

CONSTRUCTION

MATERIALS IN CONTACT WITH FLUID (*) Ensure that the compatibility of the fluids in contact with the materials is verified					
Valve body AISI 316L					
Stuffing box housing PBT, GF 30% (glass fibre reinforced)					
Stem valve Stainless steel, AISI 303					
Stuffing box packing NBR					
Wiper seal	NBR				
Disc seal	NBR				

OTHER MATERIALS

T	Translation and realist (DA)
Top cover operator	Translucent polyamide (PA)
AC to DC housing (AC)	PA66, GB 30% (ball fibre reinforced)

ELECTRICAL CHARACTERISTICS

Connector	Spade plug (cable Ø 6-10 mm)
Connector specification	ISO 4400 / EN 175301-803, form A
Motor consumption	12 W in operation, 0 W hold Max. peak current: 0,7 A
Visualisation valve (switching)	LED
Electrical safety (adapter AC to DC)	IEC 335 (EN-IEC 60730), class 2
Electrical enclosure protection	IP65 (EN 60529)
Standard voltages	DC (=): 24V ±10 %, max. ripple 5%
(EN-IEC 61131-2)	AC (~): 110V to 250V / 50-60 Hz 24V to 48V ±10 % / 50-60 Hz

RECOMMENDATION FOR MAXIMUM DUTY CYCLE

Ambient temperature +20°C	9 cycles/min (2)				
Ambient temperature +50°C (max.)	4 cycles/min (2)				

ACCESSORIES

AC to DC adapter: 110V to 250V/50-60 Hz

code: P290CA430078001 24V to 48V $\pm 10 \% / 50-60 Hz$ code: P290CA438907001

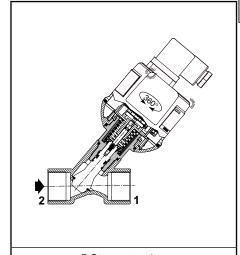
OPTIONS

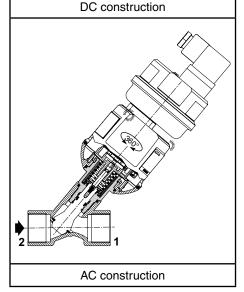
Fail close (valve returns to closed position on loss of power) Valve body/stem 316L and FPM (fluoroelastomer) disc seal (*) M12 connector adapter (1)

- (*) Ensure that the compatibility of the fluids in contact with the materials is verified.

 (*) Contact us
- For other cycles, contact us.







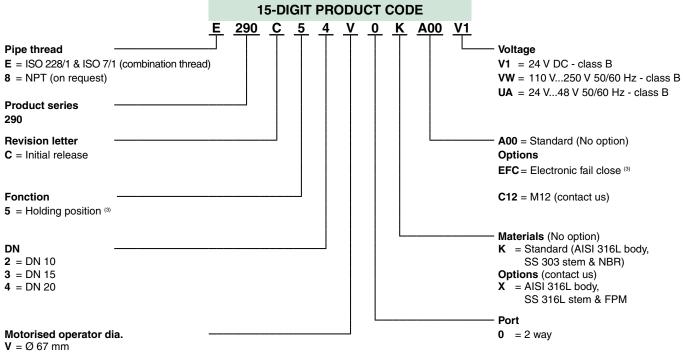
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SPECIFICATIONS							15-DIGIT PRODUCT CODE					
piping (ISO 670	ping 6708) flow		operating pressure differential (bar)		operator				voltage code		de	
			icient (v		max.	diameter	-		stainless steel		<u>`</u>	
pipe size	DN		V	min. air, water, oil			thread type	nsion	AISI 316L	48 V Hz	250 Hz	V/DC
		(m³/h)	(l/min)		(*)	(mm)	threa type	dime type		24 V	110 V. 50-60	24 V/I
Motorized valve, entry under the disc												
3/8	10	2,7	45	0	6	67	G*	1	E290C52V0KA00			
1/2	15	3,8	63	0	5	67	G*	1	E290C53V0KA00	UA	vw	V1
3/4	20	6	100	0	4	67	G*	1	E290C54V0KA00			

⁽¹⁾ For dimensions, see drawing(s) for each construction type on the following page(s).

^(*) Ensure that the compatibility of the fluids in contact with the materials is verified.



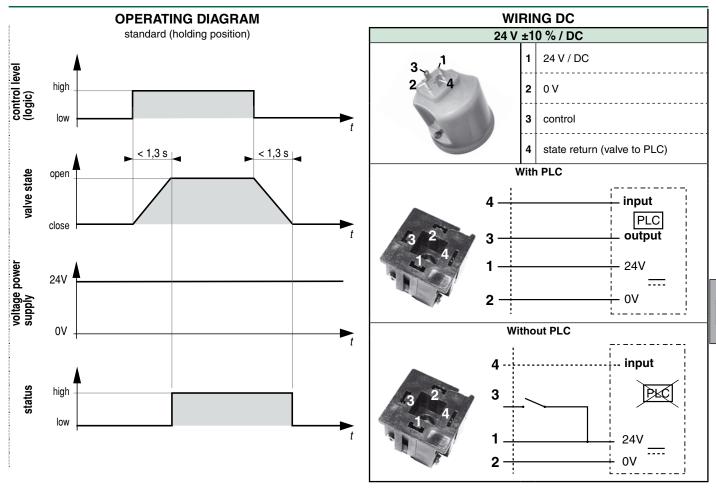
(3) Use with EFC option (Electronic fail close)

INSTALLATION

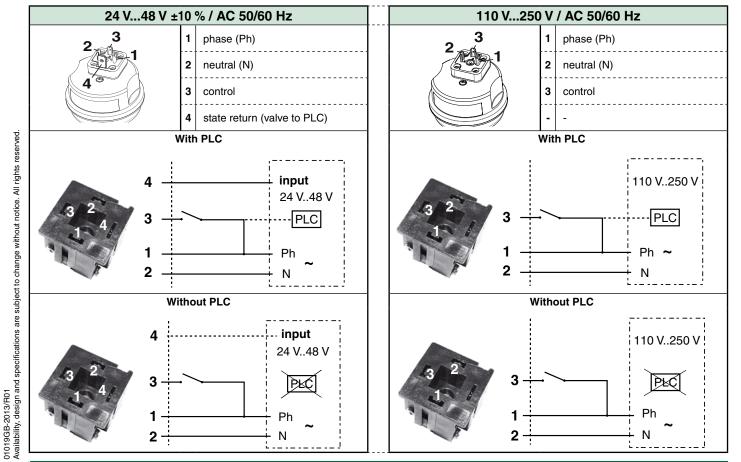
- The valves can be mounted in any position without affecting operation
- Pipe connections (G*) have standard combination thread according to ISO 228/1 and ISO 7/1
- Other pipe connections are available on request
- Installation/maintenance instructions are included with each valve
- 2D/3D CAD models In 3D
- · LED indicators for operating status display

valve OPEN	green
្ន valve CLOSED	orange
tg: valve moves to open	green flashing
valve moves to close	orange flashing

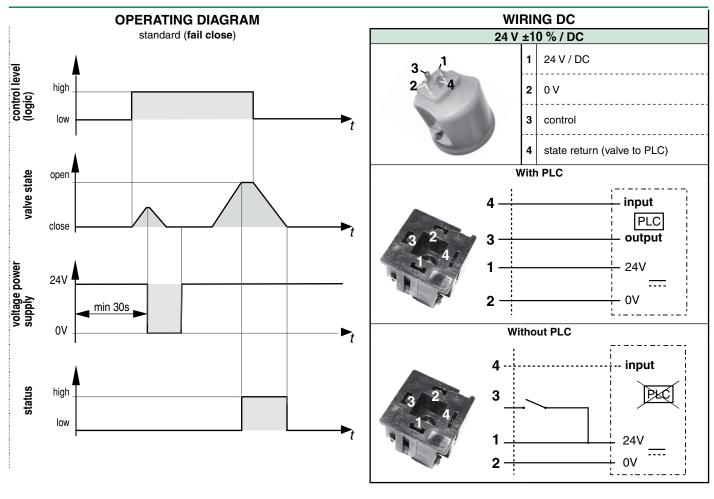




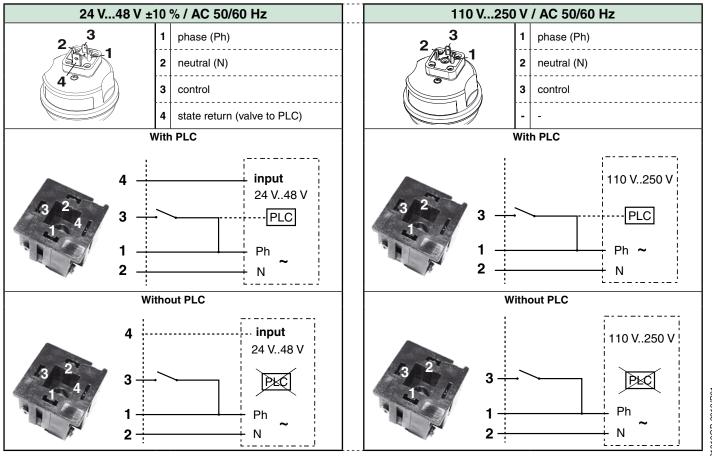
WIRING AC







WIRING AC



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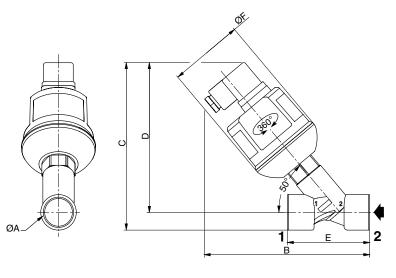


DIMENSIONS (mm), WEIGHT (kg)





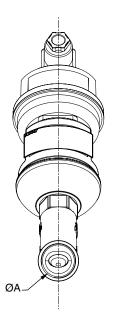
TYPE 01 DC version 67 mm motorised operator Fluid entry: under the disc at 2 ISO 4400 connector

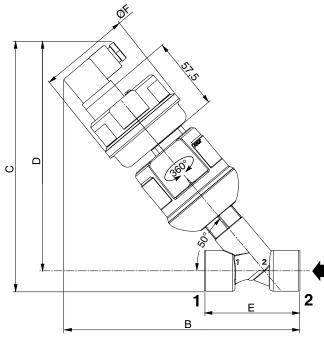




TYPE 02

AC version (accessories)
67 mm motorised operator with AC adapter
Fluid entry: under the disc at 2
ISO 4400 connector





type	Ø A	В	С	D	E	ØF	weight (1)
DO							
DC versi	on						
	3/8	135	141	129	55	67	0,55
01	1 1/2 14		145	131	65	67	0,55
	3/4	150	152	136	75	67	0,55
AC version	on						
	3/8	171	189	175	55	71	0,65
02	1/2	178	191	177	65	71	0,65
	3/4	186	196	180	75	71	0,65

(1) Incl. connector.

