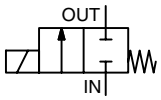
SOLENOID VALVES

direct operated
for low pressure gas, according to EN 161
3/8 - 1/2

NC



2/2
Series
030

FEATURES

- *For gas pilot and gas burner control on industrial atmospheric and forced draught burners, also used in kilns and furnaces in process industries*
- *All valves have been type tested to EN 161 and satisfy the European gas appliance directive (2009/142/EC)*
  Certificate of conformity BSI: No. CE 592900
- *All valves are for class A group 2 service and cover gas family 1, 2 and 3*
- *All valves are suitable to withstand 150 mbar back pressure*
- *Brass bodied, low pressure valves designed to provide maximum flow*
- *Direct lift valves with resilient soft seating for tight shut-off*
- *The solenoid valves do not require a minimum operating pressure*

GENERAL

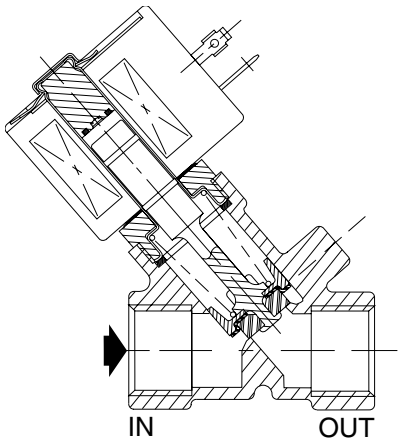
Differential pressure See «SPECIFICATIONS» [1 bar =100 kPa]
Response time 1 s max.

fluids (✳)	temperature range (TS)	seal materials (✳)
combustible gas	0°C to +60°C	NBR (nitrile)

MATERIALS IN CONTACT WITH FLUID

(✳) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass
Core tube Stainless steel
Core and plugnut Stainless steel
Spring Stainless steel
Seat Brass
Seals NBR
Disc NBR
Shading coil Copper



ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages AC (~) : 24V - 48V - 115V - 230V / 50 Hz
(Other voltages and 60 Hz on request)

prefix option	power ratings				operator ambient temperature range (TS)	replacement coil		type (1)
	inrush ~	holding ~		hot/cold =		~	=	
	(VA)	(VA)	(W)	(W)	(C°)	230 V/50 Hz		
EGSC	40	17	6	-	0 to +60	400919-117	-	01

(1) Refer to the dimensional drawings on the following page.

SPECIFICATIONS

pipe size	orifice size	flow (2)		operating pressure differential (bar)			power coil (W)		catalogue number
				min.	max. (PS) gas (✳)				
Rp	(mm)	(m^3/h)	(l/min)		~	=	~	=	~
NC - Normally closed									
3/8	9,5	2,19	36,5	0	0,48	-	6	-	**EGSCE030B010**
1/2	11	3,41	56,8	0	0,14	-	6	-	**EGSCE030A016**

(2) For 2,5 mbar pressure drop air 1,0 s.g. at 1,013 mbar and 15°C.

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Pneutrol International Limited
UK Office
5 Caulside Drive, Antrim, BT41 2DU
United Kingdom
TEL: +44 (0) 289448 1808
www.valves-direct.com

sales@pneutrol.com
European Office
Unit 6, Saint Anthony's Business Park, Ballymount Road, D22 VW95
Ireland
TEL: +353 (0) 1 4373653
www.valves-direct.com

OPTIONS

- Mounting brackets, suffix MB
- Integrated strainer at the inlet port, used suffix D30
- Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Pipe connection identifier is E = Rp (ISO 7/1)
- Installation/maintenance instructions are included with each valve

SPARE PARTS KIT

catalogue number	spare parts kit no.	
	~	=
EGSCE030B010	**K312981**	-
EGSCE030A016	**K312980**	-

- Not available.

ORDERING EXAMPLES:

EGSC E 030 **B** 010 230V / 50 Hz
EG E 030 **A** 016 115V / 50 Hz

prefix
pipe thread
basic number
voltage
suffix

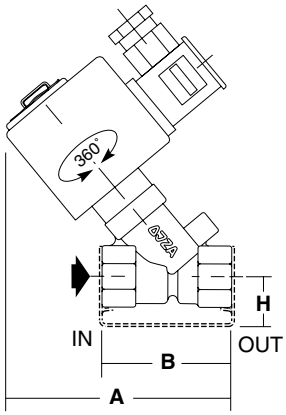
ORDERING EXAMPLES KITS:

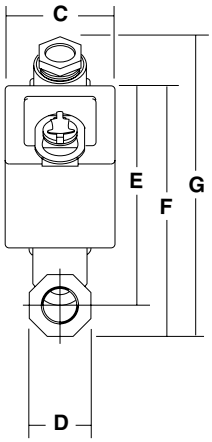
K312981

basic number

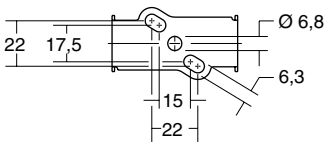
DIMENSIONS (mm), WEIGHT (kg)

TYPE 01
Prefix "EGSC" Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65





bottom view
mounting bracket



type	prefix option	catalogue number	A	B	C	D	E	F	G	H	weight (1)
01	EGSC	EGSCE030B010	75	48	39	22	77	88	122	20	0,5
		EGSCE030A016	87	58	39	28	82	96	130	22	0,5

(1) including coil and connector.

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