

ASCO™ Solenoid Valves

For Low Pressure Gas, EN 161

Direct Operated, 3/8" to 3/4" threaded

2/2 NC
Series
040

Features and Benefits

- For 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 Regulation (EU) 2016/426 on gas appliances
Certificate of conformity BSI: No. CE 688365
- 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
- Aluminium bodied, low pressure valves designed to provide maximum flow
- Direct lift valves with resilient soft seating for tight shut-off

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 of components in contact with fluid

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

Body	Aluminium
Core tube	Stainless steel
Core and plugnut	Stainless steel
Springs	Stainless steel
Seat	Aluminium
Seal	NBR
Disc	NBR
Riderring	PTFE
Core guide	POM
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)

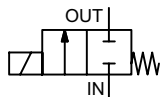
Standard voltages

AC (~): 24V - 48V - 115V - 230V / 50 Hz

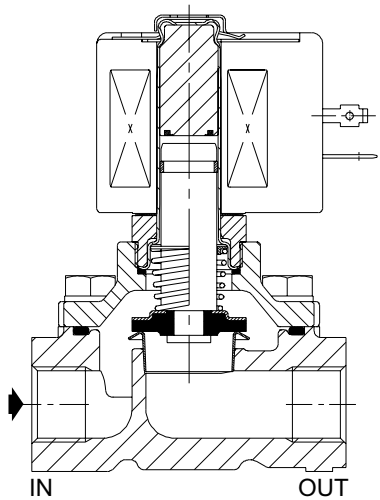
(Other voltages on request)

Prefix option	Power ratings			Operator ambient temperature range (TS) (C°)	Replacement coil	Type ⁽¹⁾
	Inrush	Holding				
	~	~				
	(VA)	(VA)	(W)		230 V/50 Hz	
EGSC	85	35	14	0 to +60	400902-117	01

⁽¹⁾ For dimensions, see drawing(s) on the following page(s).



CE



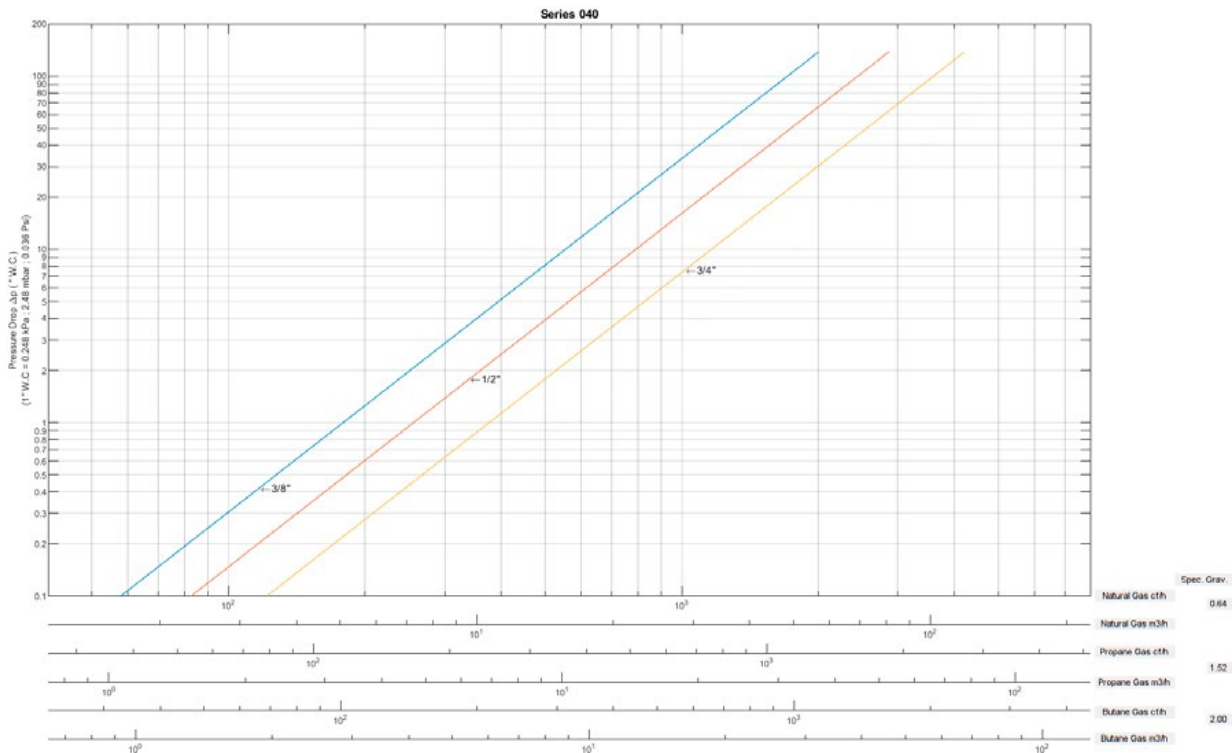
Specifications

Pipe size	Orifice size	Flow ⁽¹⁾		Operating pressure differential (bar)		Power coil (W)	Catalogue number
				Min.	Max (PS) Gas (★)		
Rp	(mm)	(m³/h)	(l/min)		~	~	~
NC - Normally closed							
3/8"	19	4.9	81.7	0	0.086	14	EGSCE040B001
1/2"	19	7	116.7	0	0.086	14	EGSCE040B002
3/4"	19	10.3	172	0	0.086	14	EGSCE040B003

⁽¹⁾ For 2.5 mbar pressure drop air 1.0 s.g. at 1.013 bar and 15°C.

(★) Ensure that compatibility of materials in contact with fluids is verified.

Gaz Flow Chart



Options

- Mounting brackets, suffix MB (EGSCE040B001/002/B003 only)
- Optional features to EGSCE040B001/002/B003:
 - Strainer, used suffix D01
 - Rp 1/8" plugged pressure tappings in the inlet and outlet ports, use suffix D02
 - Strainer and Rp 1/8" plugged pressure tappings in the inlet and outlet ports, used suffix D03
 - Pressure test nipples for hose connection in the inlet and outlet ports Ø 8 mm, use suffix D04
 - Strainer and Pressure test nipples for hose connection in the inlet and outlet ports Ø 8 mm, use suffix D05
- Connector with visual indication and peak voltage suppression or with cable length of 2 m

Installation

- The B001/B002/B003 solenoid valves can be mounted in any position without affecting operation.
- Strainers are optional for types B001, B002 and B003
- Pipe connection identifier is E = Rp (ISO 7/1)
- Installation/maintenance instructions in multiple languages are available on our website

Spare parts kit

Catalogue number	Spare parts kits no.
	~
EGSCE040B001/B002/B003	K312984

- Not available.

Ordering Examples Valves:

EGSC	E	040	B 001	230V / 50 Hz
EGSC	E	040	B 002	115V / 50 Hz
prefix				voltage
pipe thread				
basic number				suffix

Ordering Examples Kits:

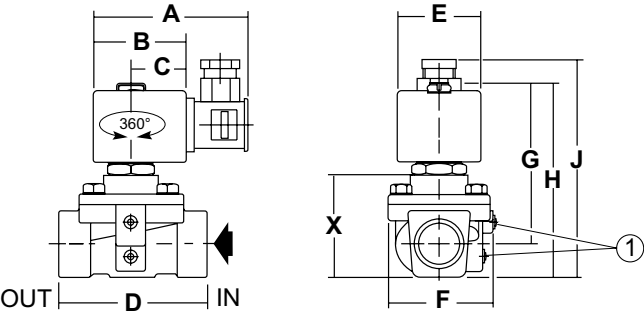
	K312984
basic number	

Dimensions (mm), Weight (kg)



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

EGSCE040B001/B002/B003



Type	Catalogue number	A	B	C	D	E	F	G	H	J	X	Weight ⁽¹⁾
01	EGSCE040B001/B002	77	50	30	70	45	59	83	98	114	47	0.9
	EGSCE040B003	77	50	30	83	45	59	88	109	125	58	0.7

⁽¹⁾ include coil and connector or metal housing.

① Inlet and outlet ports pressure tapping
Rp 1/8”
(optional for types B001, B002 and B003)