2 way, NC, Direct Operated, 1/8" Tapped, Push-in Fitting, Nut for Tube

2/2 Series **256** 

#### **Features & Benefits**

- Wide range of flow and pressure ratings
- Quick disassembly of core tube for easy maintenance of internal parts
- Standard disc seal made of NBR, FPM, EPDM suitable for a wide range of operating temperatures and compatible with many fluids
- AC/DC interchangeability of the solenoid without disassembly of the valve
- UL429 and EN 60335 certified
- NSF 169 and EC 1935 / 2004 certified see "15-DIGIT PRODUCT CODE"
- Compact and low weight valve
- The solenoid valves satisfy all relevant EU and EAC directives

#### General

Differential pressure
Ambient temperature range
See «SPECIFICATIONS» [1 bar = 100 kPa]
-10°C to +60°C (14°F to 140°F)

Maximum viscosity40 cSt (mm²/s)Response time10 - 20 ms

Response time	10 201113	
fluids (∗)	temperature range (TS) (1)	seal materials (*)
air, inert gas, water, oil hot water and low pressure steam	0°C to +130°C (32°F to 266°F)	FPM (fluoroelastomer)
air, inert gas, water, hot water (push-in connection only)	0°C to +90°C (32°F to 194°F)	FPM (fluoroelastomer) EPDM (ethylene propylene diene monomer)
air, inert gas, water hot water and low pressure steam	-10°C to +140°C (14°F to 284°F)	EPDM (ethylene propylene diene monomer)
air, inert gas, water, oil	-10°C to +90°C (14°F to 194°F)	NBR (nitrile)

#### Materials in contact with fluid

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

Body Composite (PPS)
Shatding coil Copper
Core tube Stainless steel
Core and plugnut Stainless steel
Springs Stainless steel
Springs Stainless steel
FPM or EPDM or NBR

#### **Electrical characteristics**

**Coil insulation class** F (H - approval pending)

Connector Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
Connector specification DIN 43650, 11 mm, industry standard B (type 01)
or ISO 4400 / EN 175301-803, form A (type 02)

Electrical safety IEC 33

**Electrical enclosure protection** Moulded IP67 (EN 60529) with plug-connector

**Standard voltages** DC (=) : 12 - 24V (+10% -5%)

(Other voltages and AC (~): 24V/50-60 Hz - 110V/50 Hz (120 V/60Hz)

frequencies on request) 230V/50-60 Hz (+10% -15%)

operator		power r	atings	replacement coil						
ambient temperature	hold	ling	hot/cold	,	-	=	Туре			
range (TS)	_	-	=	120 V/60 Hz,	230 V	24 V DC	Турс			
°C (°F)	(VA)	(W)	(W)	110 V/50 Hz	/50-60 Hz	24 V DC				
-10 to +60 (14 to 140)	4.5	3	3.5	533534-024	533534-003	533534-001	01			

### Options

- NSF 169, EC 1935 / 2004 approval, EPDM/FPM disc and seal (Food Grade)
- (\*) Ensure that the compatibility of the fluids in contact with the materials is verified.
- The minimum ambient temperature of the solenoid valve is determined by the limitations of minimum temperature indicated.

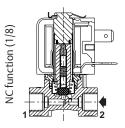


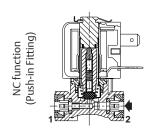


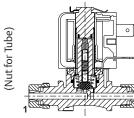












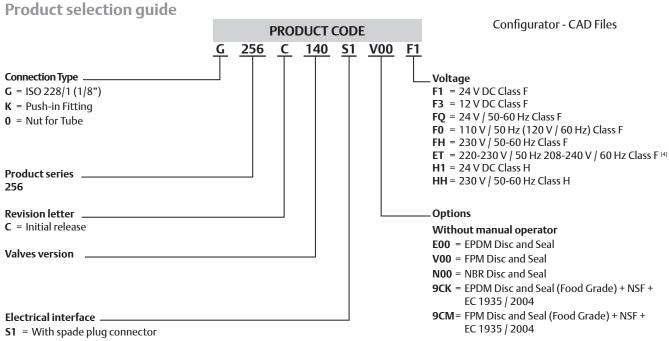
## 256

#### ASCO™ Solenoid Valves

<b>Specification</b>	S (1)														15-D	IGIT F	ROD	UCT	CODE	Ε														
		ຍ flow			operating pressure differential 5									options		voltage code			į															
Ze	size orifice size		coefficient		bar (psi)						(W)			_		lual	_	Hz	z Hz)	Hz														
pipe size	or s	Kv		Kv		Kv		Kv		Kv		Κv		Kv				<i>t</i> \	max	• •	-1		power			ons	composite	manual	nua r	09-0				
ig.	mm	n m³/h (//mir		┨.	air	(*) 	wate	er (*)	OII	(*)			ad a	ensi		out	with mar	N/5	5/2	/20	DC/	V/DC												
	mm (in)	(Cv)	(l/min)	E,	~	=	~	=	~	=	~	=	thread type	dimensions type (2)	<u> </u>	without	with manual operator	230 V/50-60	110 V/50 H (120 V / 60	24 V/50-60	12 V/DC	24 V												
NC - Normally c	losed,				eal (3)																													
1/0	1.6 (1/16)	0.066 (0.07)	1.10	0	10 (145)	10 (145)	10 (145)	10 (145)	10 (145)	10 (145)	3	3.5	G	01	G256C140S1	1/00	V/00	V/00	V00		FH	FO	F0	F2	F1									
1/8	2 (5/64)	0.08 (0.09)	1.33	0	10 (145)	5.6 (81)	10 (145)	5.6 (81)	10 (145)	5.6 (81)	3	3.5	G	01	G256C141S1	VUU	-	ГП	FU	FQ	F3	FI												
push-in fitting	1.6 (1/16)	0.066 (0.07)	1.10	0	10 (145)	10 (145)	10 (145)	10 (145)	10 (145)	10 (145)	3	3.5	-	01	K256C140S1	V00		FH	FO	EO	ED	E1												
push-in fitting	2 (5/64)	0.08 (0.09)	1.33	0	10 (145)	5.6 (81)	10 (145)	5.6 (81)	10 (145)	5.6 (81)	3	3.5	-	01	K256C141S1	VUU	-	rn	ΓU	FQ	гэ	F 1												
nut for tube	1.6 (1/16)	0.066 (0.07)	1.10	0	10 (145)	10 (145)	10 (145)	10 (145)	10 (145)	10 (145)	3	3.5	-	01	0256C140S1	V00	_	FH	FO	FQ	ES	E1												
nut for tube	2 (5/64)	0.08 (0.09)	1.33	0	10 (145)	5.6 (81)	10 (145)	5.6 (81)	10 (145)	5.6 (81)	3	3.5	-	01	0256C141S1	V00	-	гп	FU	ΓŲ	1.3	FI												

<sup>(1)</sup> All performances are referred to Ambient Temperature = +60°C.

#### 



**SO** = Without spade plug connector

**L0** = Leaded coil (All versions, 500 mm cable length)

<sup>(2)</sup> For dimensions, see drawing(s) for each construction type on the following page(s).

<sup>(3)</sup> Low pressure steam: FPM and EPDM sealings PS max. 1.9 bar (max. fluid temperature 120°C).

- The solenoid valves can be mounted in any position without affecting operation
- Solenoid valves have 2 mounting holes in body
- Thread connection "G" applicable for 1/8, have standard thread according to ISO 228/1
- Push-in version: For tube 4 mm dia.
- Nut for tube: Tube 4 mm ID / 6 mm OD
- Installation/maintenance instructions are included with each valve

#### **Dimensions** mm (inches), **Weight** kg (Lbs)

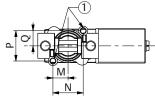


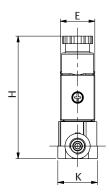
Configurator - CAD Files

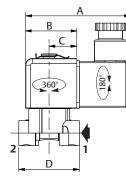


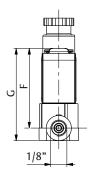
**TYPE 01** Electrical interface "S1" Coil size 20 mm - Thermoplactic moulded IEC 335 / DIN 43650 IP67

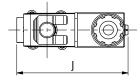
NC (1/8"): G256C140 and 141











#### 1) 2 mounting holes:

3.1 dia. through holes (0.12 inch dia.)

size 20		Α	В	С	D	E	F	G	Н	J	K	M	N	Р	Q	weigh	t (1)
G256C140 / G256C141	mm	61.9	30.5	16.5	36	20.5	47.4	54	72.9	66.2	23.5	9	18	9	18	0.093	kg
G230C140 / G230C141	(in)	2.44	1.20	0.65	1.4	0.8	1.86	2.16	2.87	2.60	0.92	0.35	0.71	0.35	0.71	0.20	(Lbs)

<sup>(1)</sup> Incl. coil(s) and connector(s).

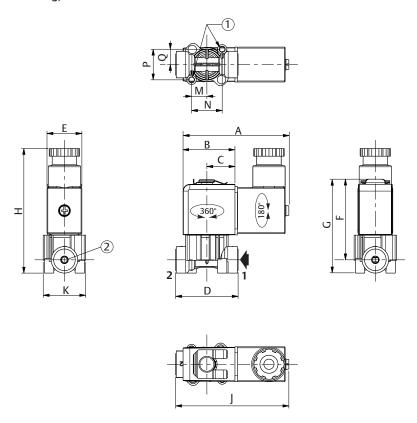
## **ASCO™ Solenoid Valves**

### Dimensions mm (inches), Weight kg (Lbs)



Configurator - CAD Files

NC (push-in fitting): K256C140 and 141



- 1 2 mounting holes:
  - 3.2 dia. through holes (0.12 inch dia.)
- 2 Hose, 2 mm ID (0.078 inch ID)

size 20		Α	В	С	D	E	F	G	Н	J	K	M	N	P	Q	weigh	it (1)
K256C140 / K256C141	mm	61.9	30.5	16.5	36.7	20.5	47.4	52.2	73.2	66.5	25	9	18	9	18	0.093	kg
K230C140 / K230C141	(in)	2.44	1.20	0.65	1.44	0.80	1.86	2.05	2.88	2.61	0.98	0.35	0.71	0.35	0.71	0.20	(Lbs)

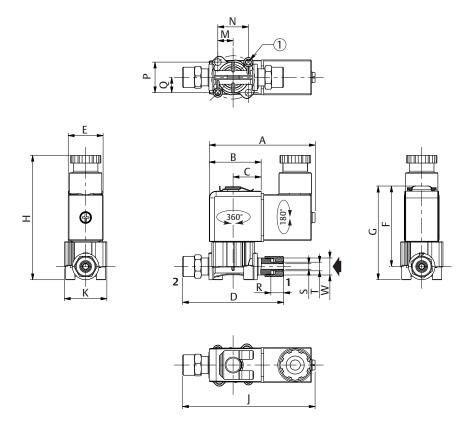
<sup>(1)</sup> Incl. coil(s) and connector(s).

# ASCO™ Solenoid Valves

### **Dimensions** mm (inches), **Weight** kg (Lbs) ☐

Configurator - CAD Files

NC (nut for tube): 0256C140 and 141



### 1 2 mounting holes:

3.2 dia. through holes (0.12 inch dia.)

size 20		Α	В	С	D	E	F	G	Н	J	K	М	N	Р	Q
0256C140/141	mm	61.9	30.5	16.5	59.4	20.5	47.3	50	73.1	77.9	24.95	9	18	9	18
0236C140/141	(in)	2.44	1.20	0.65	2.33	0.81	1.86	1.97	2.87	3.06	0.98	0.35	0.71	0.35	0.71

		R	øs	ØΤ	øw	weigh	nt (1)
0256C140/141	mm	7.5	3.2	5.1	M10x1	0.092	kg
0236C140/141	(in)	0.29	0.12	2	3/8x1	0.2	(Lbs)

<sup>(1)</sup> Incl. coil(s) and connector(s).





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