

### FEATURES

- Compact aluminium flanged bodied single flow valves for petrol vending applications
- Minimum operating differential pressure 0,35 bar
- Explosion proof operators, intended for use in potential explosive areas, according to Directive ATEX 94/9/EC
- Easy electrical installation by means of the moulded-in supply cable, standard length 2 meter
- ASCO Numatics components satisfy all relevant EC directives

### GENERAL

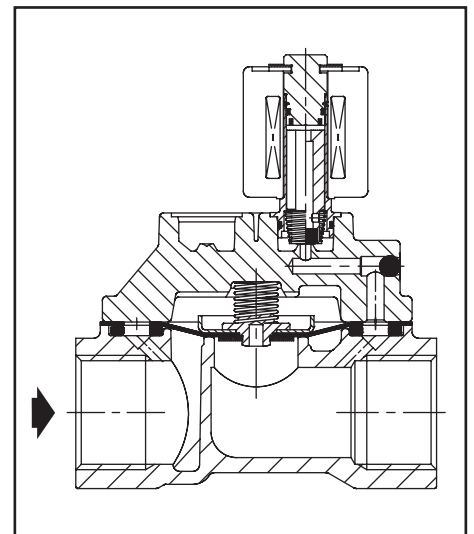
**Differential pressure** 0,35 - 3,5 bar [1 bar = 100kPa]  
**Ambient temperature range** AC: -40 to +65°C  
 DC: -40 to +40°C

fluids (*)	temperature range (TS)	seal materials (*)
Petrol & Liquid fuels	-20 to +40°C	FPM (fluoroelastomer) / VMQ (silicone)

### MATERIALS IN CONTACT WITH FLUID

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

<b>Body</b>	Aluminium
<b>Core tube</b>	Stainless steel
<b>Core and plugnut</b>	Stainless steel
<b>Springs</b>	Stainless steel
<b>Seat</b>	Aluminium
<b>Sealing</b>	FPM / VMQ
<b>Disc &amp; O-Rings</b>	FPM
<b>Diaphragm Support</b>	POM
<b>Shading Ring (AC only)</b>	Copper



### ELECTRICAL CHARACTERISTICS

**Coil insulation class** F  
**Electrical safety** IEC 335  
**Standard voltages** DC (=) 24V - 48V;  
 AC (~) 24V - 48V - 115V - 230V / 50 Hz

prefix option	power ratings		operator ambient temperature range (TS) (C°)	safety code	electrical enclosure protection (EN 60529)	replacement coil		type <sup>(1)</sup>
	holding ~	hot/cold =				~	=	
	(W)	(W)				230V/50/60 Hz	24V/DC	
PV	4,0	5,0 / 6,9	-40 to +40/60	II 2 G Ex mb II T3 / T4	moulded IP67	-	<sup>(2)</sup>	01 & 02

<sup>(1)</sup> Refer to the dimensional drawings on page 8

<sup>(2)</sup> Multiple coils kits available under ATEX, contact us

- Not available

### SPECIFICATIONS

pipe size	orifice size (mm)	flow coefficient Kv (m³/h) (l/min)		operating pressure differential (bar) min max. PS ~ =			prefix optional solenoids *					basic catalogue number	
							NEMA 7&9	ATEX / IECEx					IP65
								EF	Ex d NF	Ex e mb EM	Ex mb PV		
<b>NC - Normally closed</b>													
3/4	19,5	7,3	122	0,35	3,5	3,5	-	-	-	●	-	-	G293A001
3/4	25	9,5	158	0,35	3,5	3,5	-	-	-	●	-	-	G293B002
1	25	11,5	192	0,35	3,5	3,5	-	-	-	●	-	-	G293B003

● Available feature

- Not available

\* For description of solenoids see pages 31-40

### INSTALLATION

- The valves can be mounted in any position without affecting operation
- Pipe connection identifiers: G = pipe thread according to ISO 228/1
- Installation/maintenance instructions are included with each valve
- PV solenoids have a standard cable length of 2 meters. Other lengths in full meters are available on request

### DIMENSIONS (mm), WEIGHT (kg)



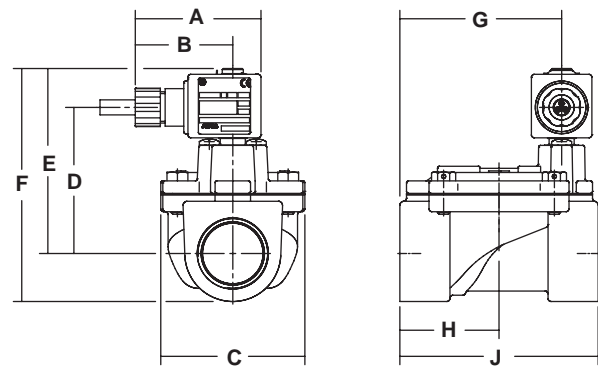
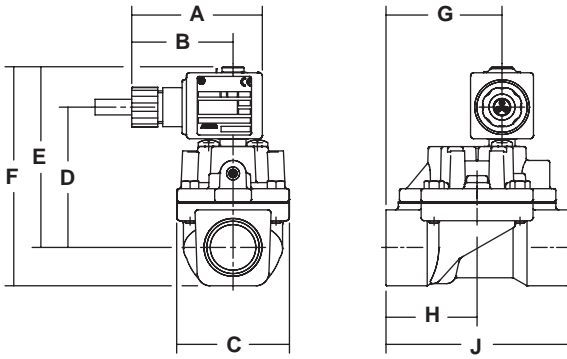
**TYPE 01**  
 Prefix "PV" Solenoid  
 Epoxy encapsulated  
 EN-IEC 60079-0, 60079-18, 61241-0, 61241-18  
 II 2 G/D Ex mb II / Ex mD  
 IP67

G293A001



**TYPE 02**  
 Prefix "PV" Solenoid  
 Epoxy encapsulated  
 EN-IEC 60079-0, 60079-18, 61241-0, 61241-18  
 II 2 G/D Ex mb II / Ex mD  
 IP67

G293B002 / B003



type	AC/DC	prefix option	catalogue number	spare parts kits	A	B	C	D	E	F	G	H	J	weight
01	~ / =	PV	G293A001	320191	60	47	52	65	83	101	53	42	84	0,9 Kg
02	~ / =		G293B002	320197 / 320198	60	47	69	70	89	112	73	48	95	0,9 Kg
	~ / =		G293B003	320197 / 320198	60	47	69	70	89	112	73	48	95	0,9 Kg