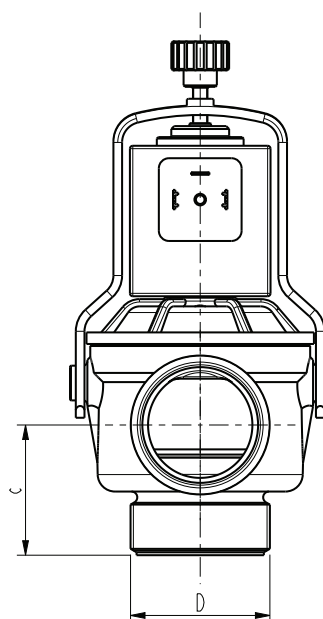
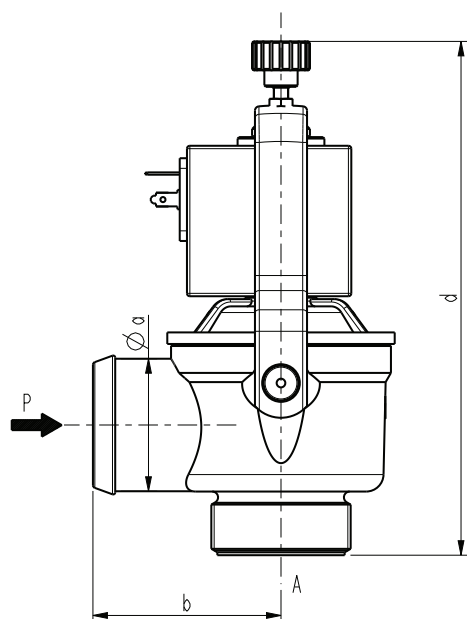


# ASCO™ SOLENOID VALVE - DRY

2/2 NORMALLY OPEN - DIRECT ACTING - TOTAL ISOLATION - G 1 ½ - 2

**SERIES**  
**D237**



D	1 1/2	2
a	46	60
b	65	84
c	45	59
d	177	189

## General Features

Direct acting, total isolation solenoid valve: the actuator is totally isolated from the fluid so that the wetted parts are just the body and the bellow plug.

Possibility of disassembling for inspection.

Particularly suitable for fast drain of tanks.

Suitable to shut off liquid fluids (verify the compatibility of fluid with materials in contact).

Technical Features	
Maximum allowable pressure (PS)	0,3 bar
Opening time	~400ms
Closing time	~400ms
Fluid temperature	-10°C +90°C (NBR) 0°C +130°C (FPM)
Max viscosity	5°E (~37 cStokes or mm²/s)

Materials in Contact with Fluid	
Body	PPS (Polyphenylsulfure).
Sealing	NBR or FPM

Coil	
Discontinuous Duty	ED 60% with max cycle time 40min
Encapsulation material	PPS (Polyphenylsulfure) fiberglass reinforced
Insulation class	H (165°C)
Ambient temperature	-10°C +80°C
Electric connections	DIN 46340 – 3 poles connectors (EN175301-803)
Protection degree	IP 67 (EN 60529) with plug connector ▲
Voltages	AC 24V/50Hz - 110V/50Hz (120V/60Hz) - 230V/50Hz (+10% -15%) (Other voltages and frequencies on request)

Port size ISO 228	Orifice size (mm)	Differential pressure (bar)						Kv (m³/h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
		Δp min	Δp max								AC (VA)	DC (W)				
			Gases		Liquids		Valve		Coil	Inrush			Holding			
			AC	DC	AC	DC										
G 1 ½	36	0	-	-	0,15	-	20	D237B01	Z923G	150	46	-	NBR	-	0,980	
G 2	43						34								1,040	
G 1 ½	36						20								0,980	
G 2	43						34								1,040	

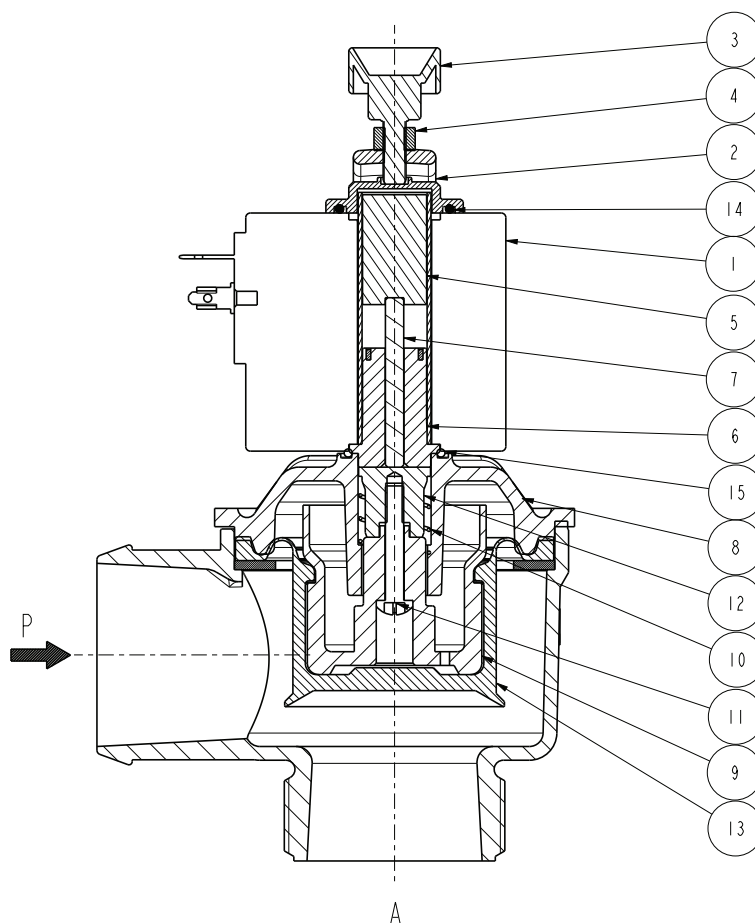
## Notes

- Sealings : NBR = Nitryle-butylene elastomer FPM = Fluoro-carbon elastomer
- The Δp max, indicated in the table, has to be understood with zero pressure downstream the valve.
- ▲ Coils fitted with sealing gaskets underneath and on the upper part. Particularly suitable to be used in places with high percentage of humidity.

**SERIES**  
**D237**

**ASCO™ SOLENOID VALVE - DRY**  
2/2 NORMALLY OPEN - DIRECT ACTING - TOTAL ISOLATION - G 1 ½ - 2

**Spare Parts**



2252103R	Model	Kit P.N.	Consisting of:
Clamp kit		G3143701	Clamp pos. 2 Screw pos. 3 Nut pos.4
OR kit for coil		G3147201	Upper OR (white) pos. 14 Lower OR (red) pos. 15
Core kit		G3143801	Core pos. 5 ■ Plugnut pos. 6 Pin pos. 7
Cover/Bellow kit		G3143901	Cover pos. 8 Diaphragm stiffener pos. 9 Diaphragm springs pos. 10 Screw pos. 11 Bushing pos. 12
Diaphragm	D237B01	2252101R	Diaphragm pos. 13
	D237V01	2252103R	
Coil		Z923G	Coil pos. 1

**Installation**

- Solenoid valve must be mounted vertical, with coil upwards.
- In case of disassembling for usual maintenance, or for coil replacing, the screw (pos.3) has to be tightened at  $3 \div 3,5$  Nm torque.
- In case of disassembling for usual maintenance, or for coil replacing, the nut (pos.4) has to be tightened at  $1 \div 1,5$  Nm torque.
- The core (5) must be assembled with the groove downwards.

THE VALIDITY OF REPORTED DATA IS REFERRED TO THE DATE OF ISSUE. POSSIBLE UPDATES ARE AVAILABLE ON REQUEST