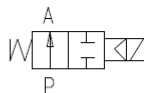
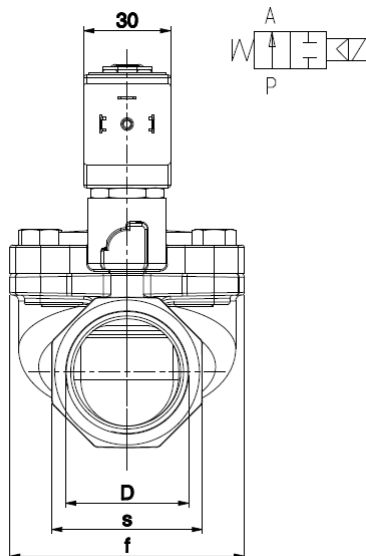
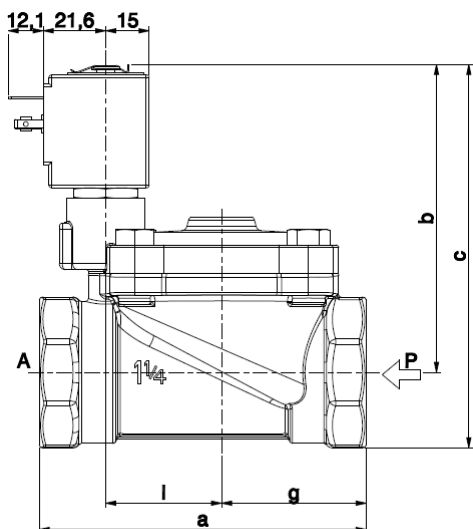




SOLENOID VALVE
2/2 - NO (Normally open)
Pilot operated
1 ¼ ÷ 2 NPT

L282D-BIG

1 ¼ ÷ 2 NPT



D	a	b	c	f	g	l	s
1 ¼	113	106	132	81	50	40	52
1 ½	140	110	140	110	64	53	60
2	157	114	150	110	72	53	72

► **GENERAL FEATURES**

Diaphragm valve, pilot operated, having full orifice.

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

Not suitable for use with dangerous fluids listed in Group 1, therefore they are free from CE marking in conformity with article 3 § 3 of the European Directive 97/23/EC (Pressure Equipment Directive).

WRAS certified solenoid valves (certificate n. 1411048).

► **TECHNICAL FEATURES**

Maximum allowable pressure (PS)	10 bar
Opening time	from ~300ms to ~1500ms
Closing time	from ~1000ms to ~2000ms
Fluid temperature	-10°C +85°C
Max viscosity	5°E (~37 cStokes or mm ² /s)

► **MATERIALS IN CONTACT WITH FLUID**

Body	Brass
Sealing	EPDM
Internal components	Brass and stainless steel
Seat	Brass
Guide assembly	Stainless steel
Shading ring	Copper

► **COIL**

Continuous duty	ED 100%
Encapsulation material	PPS (Polyphenylsulfure) fiberglass reinforced
Coil insulation class	F (155°C) on request class H (180°C) – UL (see ZA34)
Ambient temperature	-10°C +50°C
Electric connection	DIN 46340 - 3 poles connector (EN175301-803)
Protection degree	IP 67 (EN 60529) with plug connector
Voltages	DC AC
	ZA10A: 12-24V (+10% -5%)
	ZA10Y: 24V/50Hz - 110V/50Hz (120V/60Hz) - 230V/50Hz (+10% -15%)
	(Other voltages and frequencies on request)

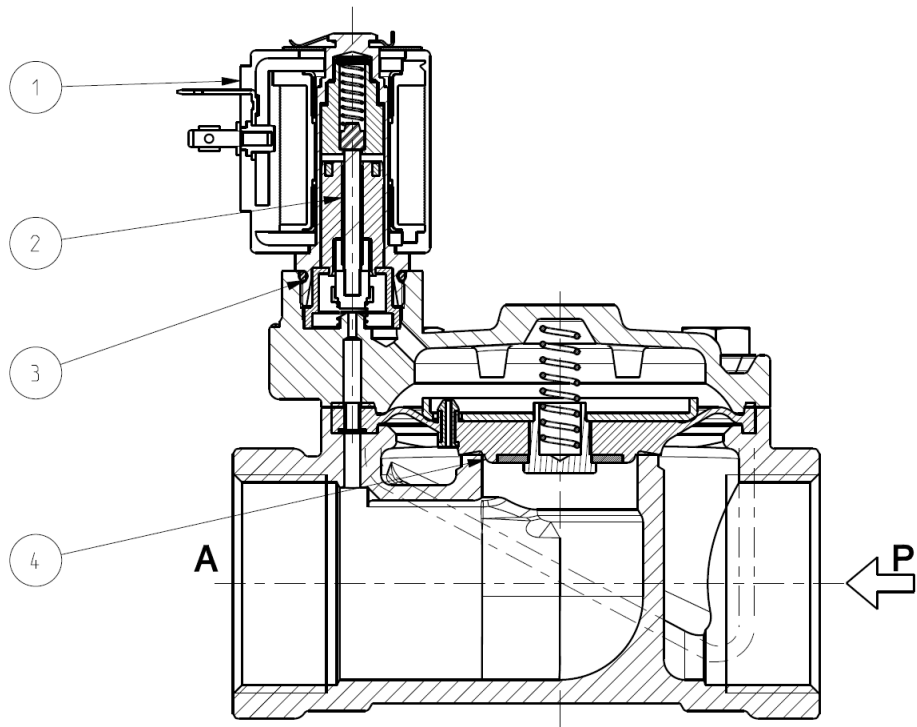
Port size	Orifice size (mm)	Differential pressure (bar)					Kv (m³/h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
		Δp min	Δp max							Valve	Coil	AC (VA)			
			Gases		Liquids			Inrush	Holding						
			AC	DC	AC	DC									
1 ¼ NPT	30	0,50	10	-	10	-	15	L282D50	ZA10Y	28	20	-	EPDM	-	1,590
1 ½ NPT	45		9	-	9	-	27								2,510
2 NPT	45						34								2,990
1 ¼ NPT	30		-	10	-	10	15		ZA10A	-	-	9			1,590
1 ½ NPT	45		-	9	-	9	27								2,510
2 NPT	45						34								2,990

► **NOTE**

- Sealings : EPDM = Ethylene-propylene elastomer
- Operation with gaseous fluids at high pressure without any outlet restriction can reduce the diaphragm life.

L282D-BIG – 1" ¼ ÷ 2" NPT

► SPARE PARTS



Kit description

Kit P.N.

Consisting of:

Actuator kit	438589-003R	Actuator kit pos. 2 O-Ring guide assembly pos. 3
Diaphragm assembly	1 ¼ NPT 2400804R 1 ½ - 2 NPT 2401305R	Diaphragm assembly pos. 4
Coil	ZA10A ZA10Y	Coil pos. 1

► MOUNTING

Solenoid valve can be mounted in any position; vertical with coil upwards preferred.

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