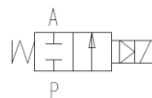
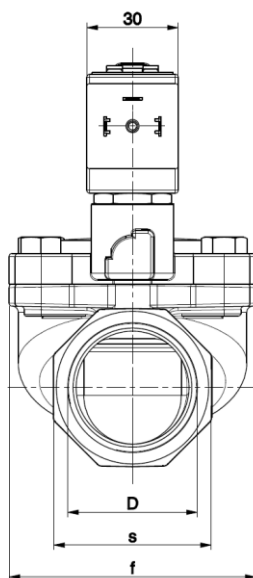
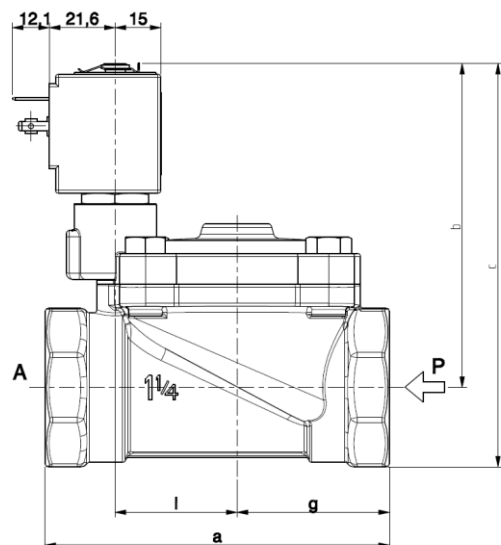




SOLENOID VALVE
2/2 - NC (Normally closed)
Pilot operated
G1 ¼ ÷ 2

L182D-BIG

G 1" ¼ ÷ 2"



D	a	b	c	f	g	l	s
G 1 ¼	113	106	132	81	50	40	52
G 1 ½	140	110	140	110	64	53	60
G 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

Response times

Opening time (ms)

Closing time (ms)

Fluid temperature

Max viscosity

	1 1/4	1 1/2	2
Opening time (ms)	100	360	360
Closing time (ms)	650	650	650

-10°C +85°C

5°E (~37 cStokes or mm²/s)

► **MATERIALS IN CONTACT WITH FLUID**

Body

Sealing

Internal components

Seat

Guide assembly

Shading ring

Brass

EPDM

Brass and stainless steel

Brass

Stainless steel

Copper

► **COIL**

Approval

Continuous duty

Encapsulation material

Coil insulation class

Ambient temperature

Electric connections

Protection degree

Voltages DC

AC

UL (class F) – for UL cl.H: ZA34

ED 100%

PPS (Polyphenilsulfure) fiberglass reinforced

F (155°C) on request class H (180°C)

-10°C +50°C

DIN 46340 - 3 poles connectors (EN175301-803)

IP 67 (EN 60529) with plug connector

12-24V (+10% -5%)

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					Valve	Valve with manual override	Coil	AC (VA)		DC (W)			
			Gases		Liquids						Inrush	Holding				
			AC	DC	AC	DC										
G 1 ¼	30	0,50	10	10	10	10	L182D48	L182D49	ZA10A	23	14	9	EPDM	-	1,590	
G 1 ½	45														27	2,510
G 2	45														34	2,990

► **NOTES**

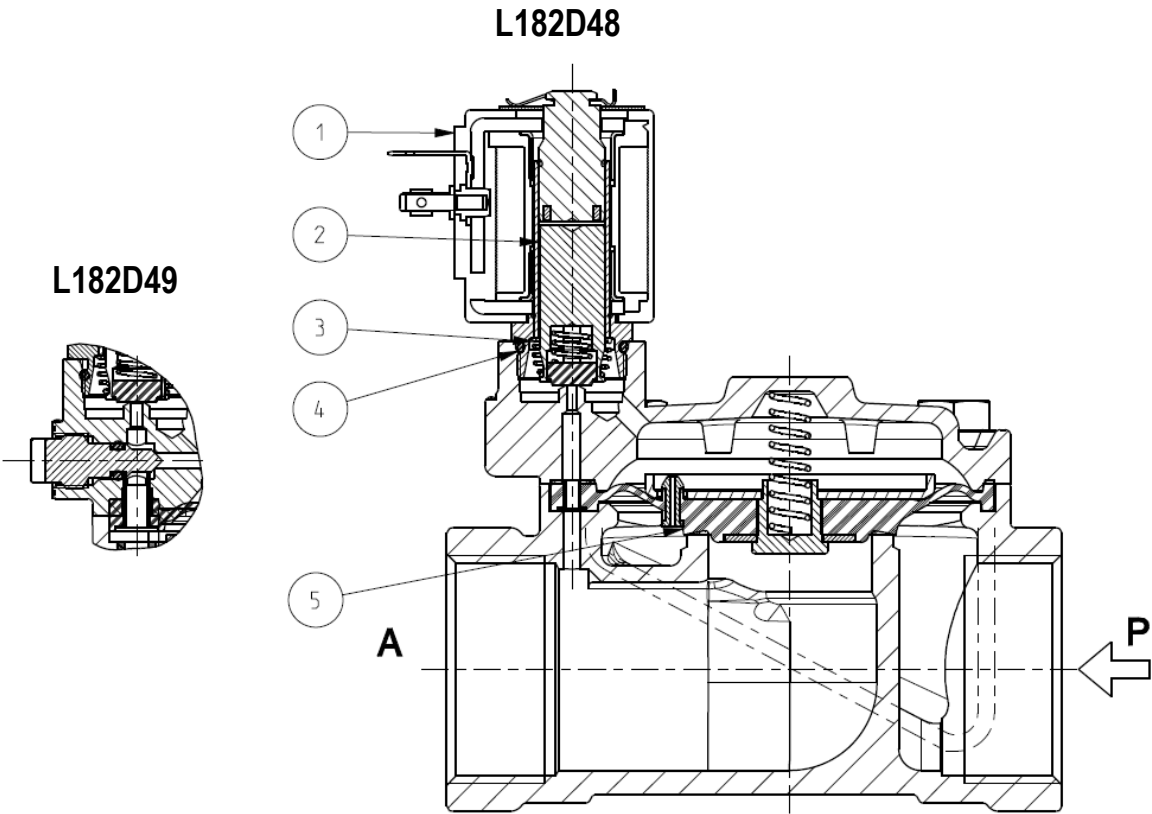
- Sealings: EPDM = Ethylene-propylene elastomer

- Operation with gaseous fluids at high pressure without any outlet restriction can reduce the diaphragm life.

- UL approved coil (E153691)

L182D-BIG G 1" 1/4 ÷ 2"

► SPARE PARTS



Kit description

Kit P.N.

Consisting of:

Core kit

G3146803

Core pos. 2
Core return spring pos. 3
OR guide assembly pos. 4

Diaphragm kit

G 1 1/4 2400804R
G 1 1/2 - 2 2401305R

Diaphragm assembly pos. 5

Coil

ZA10A

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.