



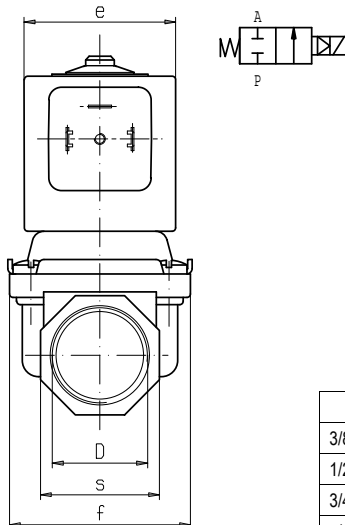
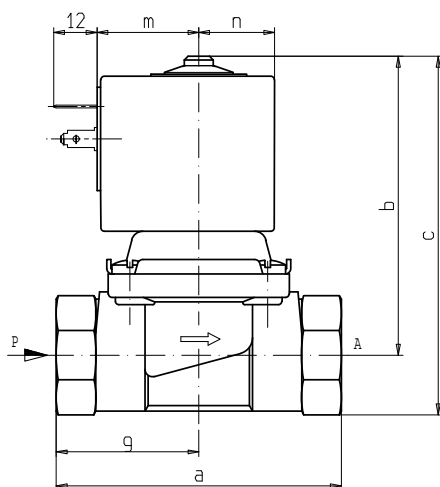
# SOLENOID VALVE

## 2/2 - NC (Normally closed)

### Pilot operated hung diaphragm

### 3/8 ÷ 1 NPT

# L133-NPT



	D	a	b	c	e	f	m	n	s	g
3/8 NPT	60	69,8	80,8	30	40,2	21,6	19,9	22	25,5	
1/2 NPT	66	74,5	90	30	40,2	21,6	19,9	27	-	
3/4 NPT	79	81	98	42	51	28	21	33	-	
1 NPT	105	100	121	48,6	71	35	24,3	42	46	

#### ► GENERAL FEATURES

Pilot operated hung diaphragm valve with full orifice.  
 Designed for closed circuit hydraulic systems and for vessels draining.  
 Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

#### ► CARATTERISTICHE TECNICHE

Maximum allowable pressure (PS) 16 bar  
 Opening time from ~100ms to ~150ms  
 Closing time from ~100ms to ~400ms  
 Fluid temperature  
 -10°C +90°C (NBR)  
 0°C +130°C (FPM)  
 -10°C +140°C (EPDM)  
 Max viscosity 5°E (~37 cStokes or mm²/s)

#### ► MATERIALS IN CONTACT WITH FLUID

Body Brass  
 Sealing NBR or FPM or EPDM  
 Internal components  
 Stainless steel and PPS (3/8 NPT – 1/2 NPT)  
 Stainless steel and brass (3/4 NPT – 1 NPT)  
 Seat Brass  
 Core tube Stainless steel  
 Shading coil Copper (except L133(\*)19)

#### ► COIL

Continuous duty ED 100%  
 Encapsulation material PET (polyethylene terephthalate) fiberglass reinforced  
 Insulation class  
 ZA: F (155°C) on request class H (180°C) - UL  
 Z1-Z9: F (140°C) on request class H (165°C) - UL  
 Ambient temperature  
 ZA: -10°C +50°C  
 Z1-Z9: -10°C +60°C  
 Electric connections  
 Protection degree  
 Voltages DC 12-24V (+10% -5%)  
 AC 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)		DC					
			Gas		Liquids				Inrush	Holding					W	
			AC	DC	AC											DC
3/8 NPT	12.5	0	10	3	10	3	L133(*)18	ZA30A	23	14	9	(*) = B (NBR)	-	0,350		
			-	8	-	8									L133(*)19	ZA32K
10	3		10	3	L133(*)18	ZA30A	23	14	9	(*) = D (EPDM)						
-	8		-	8							L133(*)19				ZA32K	-
1/2 NPT	17	0	10	3	10	3	L133(●)08	Z130A	44	24	13	(*) = B (NBR)	-	0,790		
-			8	-	8	L133(●)09									Z923E	65
3/4 NPT	10		3	10	3		L133(●)08	Z130A	44	24	13					
1 NPT	10		-	10	-	L133(●)09									Z923E	65
	24		-	3	-	3		Z923A	-	-	17			1,810		

#### ► NOTES

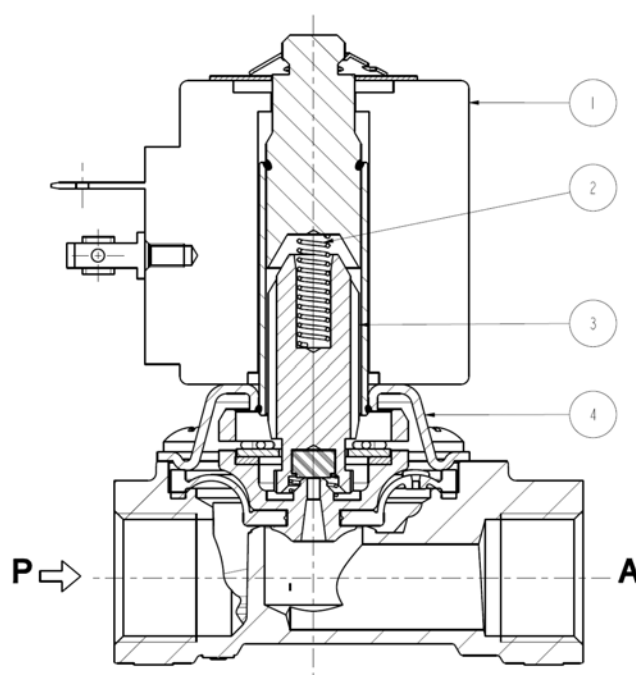
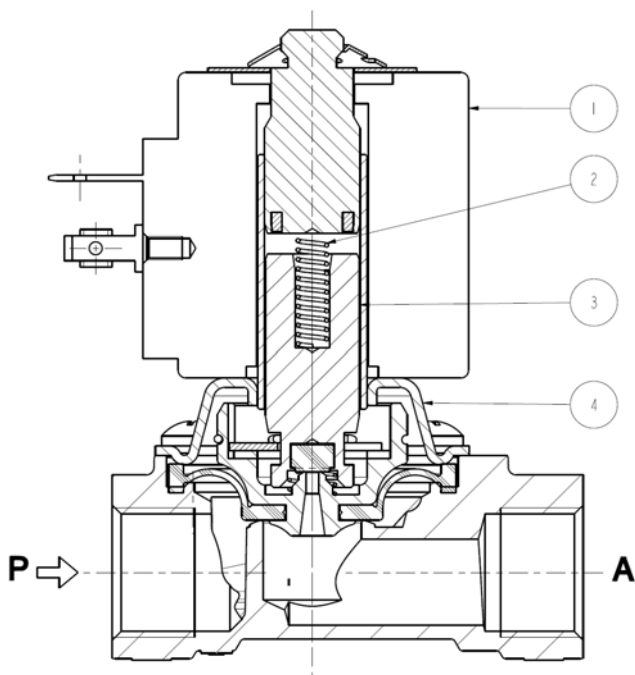
- Sealings : NBR = Nitrile-butylene elastomer FPM = Fluoro-carbon elastomer EPDM = Ethylene-propylene elastomer (WRAS/KTW homologated compound)  
 - The nominal flow is guaranteed with Δp min ≥ 0,3 bar. Contact us in case of lower Δp min values.

# L133-NPT

## ► SPARE PARTS

L133B08 - V08 - B09 - V09 - B18 - V18 - D18

L133B19 - V19 - D19



### Kit description

Core diaphragms kit

3/8 - 1/2 NPT	L133B18	G3145301
	L133V18	G3145302
	L133D18	G3145303
	L133B19	G3145201
	L133V19	G3145202
	L133D19	G3145203
3/4 NPT	L133V08	G2990202
	L133B08	G2990201
1 NPT	L133V09	G2991902
	L133B09	G2991901

Core return spring kit

3/8 - 1/2 NPT	L133B/V/D18/19	G3103701
3/4 NPT	L133B-V08	G2918601
1 NPT	L133B-V09	G2955801

Guide assembly

3/8 - 1/2 NPT	L133B/V/D18	3104101R
	L133B/V/D19	3120901R
3/4 NPT	L133B-V08	3077701R
1 NPT	L133B-V09	2408202R

Coil

3/8 - 1/2 NPT	L133B/V/D18	ZA30A
	L133B/V/D19	ZA32K
3/4 NPT	L133B-V08	Z130A
1 NPT	L133B-V09 (AC)	Z923E
	L133B-V09 (DC)	Z923A

### Consisting of:

Core return spring pos. 2  
Diaphragm assembly with core assembly pos. 3

n°10 core return springs pos. 2

Guide assembly pos. 4

Coil pos. 1

## ► INSTALLATION

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