



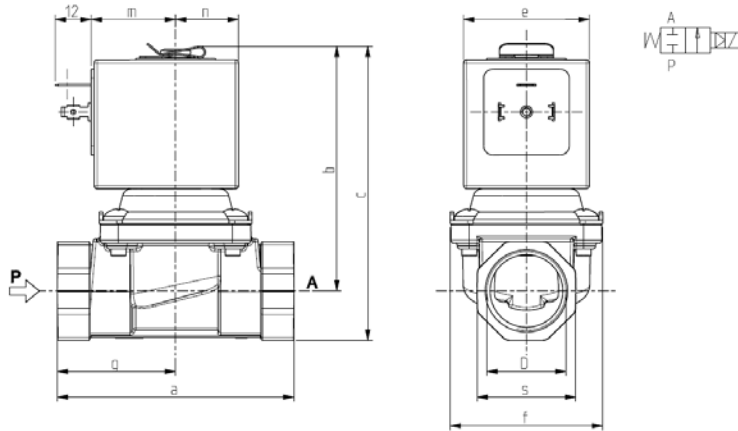
# SOLENOID VALVE

## 2/2 - NC (Normally closed)

### Pilot operated hung diaphragm

#### G3/8 ÷ 1

L133



D	a	b	c	e	f	m	n	s	g
G 3/8	60	69,8	80,8	30	40,2	21,6	19,9	22	25,5
G 1/2	66	74,5	90	30	40,2	21,6	19,9	27	-
G 3/4	79	81	98	42	51	28	21	33	-
G 1	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).

#### ► TECHNICAL FEATURES

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 mm<sup>2</sup>/s)

#### ► MATERIALS IN CONTACT WITH FLUID

Body Brass  
 Sealing NBR or FPM or EPDM  
 Internal components Stainless steel and PPS (G3/8 – G1/2)  
 Stainless steel and brass (G3/4 – G1)  
 Seat Brass  
 Core tube Stainless steel  
 Shading coil Copper (except L133(\*)17)

#### ► COIL

Continuous duty  
 Encapsulation material

#### Insulation class

#### Ambient temperature

#### Electric connections

#### Protection degree

#### Voltages

	ZA	Z1	Z9
	ED 100%		
	PET (polyethylene terephthalate) fiberglass reinforced		PPS Polyphenilsulfure fiberglass reinforced
	F (155°C) on request class H (180°C) - UL	F (140°C) on request class H (165°C) - UL	H (165°C)
	-10°C +50°C	-10°C +60°C	-10°C +80°C
	DIN 46340 - 3 poles connectors (EN175301-803)		
	IP 65 (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).		

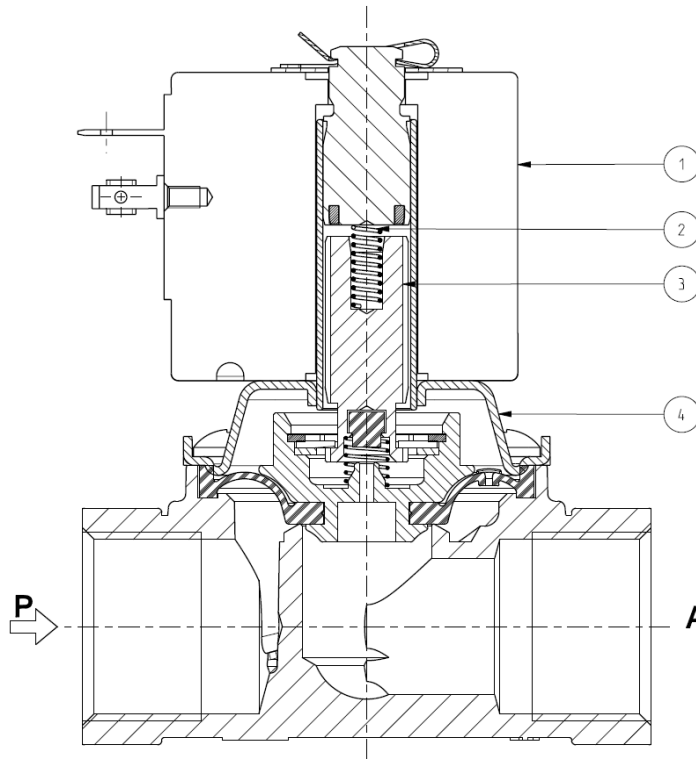
Port size ISO 228	Orifice size (mm)	Differential pressure (bar)				Kv (m <sup>3</sup> /h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)	
		Δp max					Valve	Coil	AC (VA)		DC				
		Gas		Liquids					Inrush	Holding					W
AC	DC	AC	DC	Δp min											
G3/8	12.5	0	10	3	10	3	2	L133(*)16	ZA30A	23	14	9	(*) = B (NBR) (*) = V (FPM) (*) = D (EPDM) (●) = B (NBR) (●) = V (FPM)	-	0.350
			-	8	-	8		L133(*)17	ZA32K	-	-	10			
G1/2			10	3	10	3	2.2	L133(*)16	ZA30A	23	14	9			
			-	8	-	8		L133(*)17	ZA32K	-	-	10			
G3/4	17		10	3	10	3	4,5	L133(●)07	Z130A	44	24	13		0,790	
G1	24		10	-	10	-	9	L133(●)06	Z923E	65	33	-		1,810	
		-	3	-	3	Z923A			-	-	17				

#### ► 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

## ► SPARE PARTS



### Kit description

### Kit P.N.

### Consisting of:

Core diaphragms kit	G 3/8 - 1/2	L133B16	G3145301	Core return spring pos. 2 Diaphragm assembly with core assembly pos. 3
		L133V16	G3145302	
		L133D16	G3145303	
		L133B17	G3145201	
		L133V17	G3145202	
	G 3/4	L133D17	G3145203	
		L133V07	G2990202	
	G 1	L133B07	G2990201	
		L133V06	G2991902	
		L133B06	G2991901	
Core return spring kit	G 3/8 - 1/2	L133B/V/D16/17	G3103701	n°10 core return springs pos. 2
	G 3/4	L133B-V07	G2918601	
	G 1	L133B-V06	G2955801	
Guide assembly	G 3/8 - 1/2	L133B/V/D16	3104101R	Guide assembly pos. 4
		L133B/V/D17	3120901R	
	G 3/4	L133B-V07	3077701R	
	G 1	L133B-V06	2408202R	
Coil	G 3/8 - 1/2	L133B/V/D16	ZA30A	Coil pos. 1
		L133B/V/D17	ZA32K	
	G 3/4	L133B-V07	Z130A	
	G 1	L133B-V06 (AC)	Z923E	
		L133B-V06 (DC)	Z923A	

## ► INSTALLATION

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