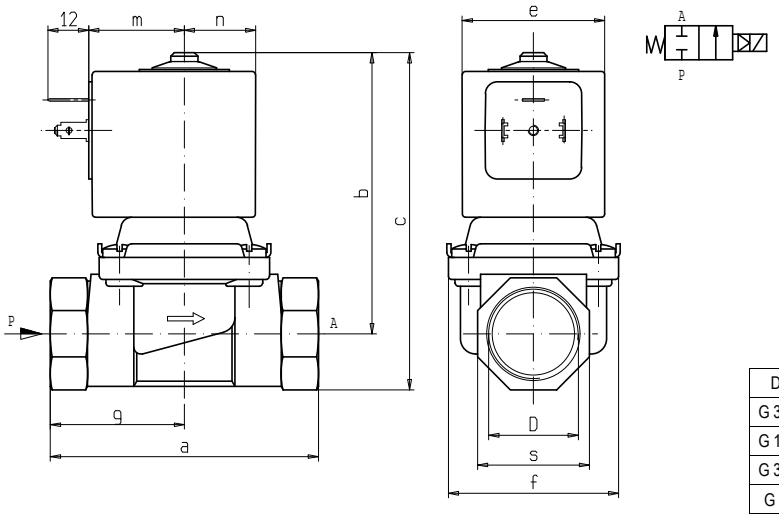
SOLENOID VALVE
2/2 - NC (Normally closed)
Pilot operated hung diaphragm
G3/8 ÷ 1

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).

► 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 (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	ED 100%
Encapsulation material	PET (polyethylene terephtalate) 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	DIN 46340 - 3 poles connectors (EN175301-803)
Protection degree	IP 65 (EN 60529) with plug connector
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 ISO 228	Orifice size (mm)	Differential pressure (bar)					Kv (m^3/h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
		Δp min	Δp max							AC (VA)		DC			
			Gas		Liquids			Valve	Coil	Inrush	Holding	W			
			AC	DC	AC	DC									
G3/8	12.5	0	10	3	10	3	2	L133(*)16	ZA30A	23	14	9	(*) = B (NBR) (*) = V (FPM) (*) = D (EPDM)	-	0.350
			-	8	-	8		L133(*)17	ZA32K	-	-	10			
G1/2			10	3	10	3	2.2	L133(*)16	ZA30A	23	14	9			0.420
			-	8	-	8		L133(*)17	ZA32K	-	-	10			
G3/4	17		10	3	10	3	4,5	L133(●)07	Z130A	44	24	13	(●) = B (NBR) (●) = V (FPM)		0,790
G1	24		10	-	10	-	9	L133(●)06	Z923E	65	33	-			1,810
			-	3	-	3			Z923A	-	-	17			

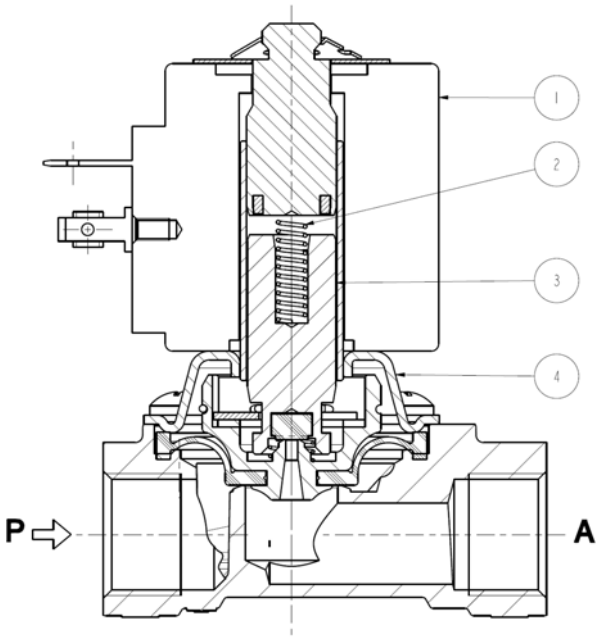
► NOTES

- 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.

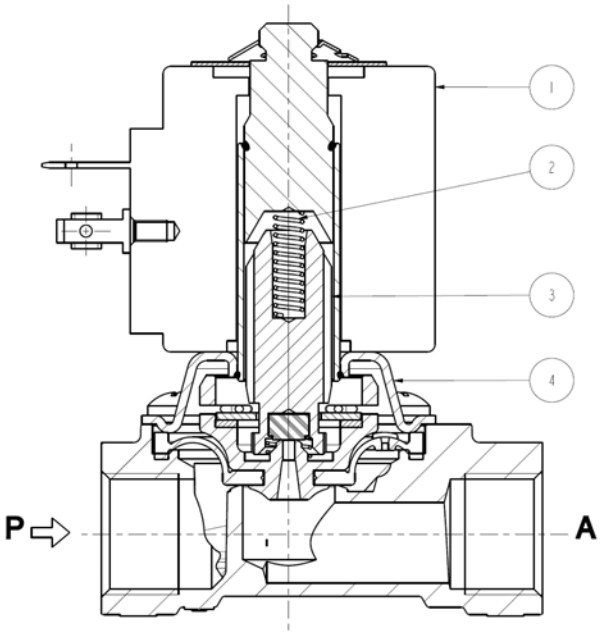
0403/1303

►SPARE PARTS

L133B06 - V06 - B07 - V07 - B16 - V16 - D16



L133B17 - V17 - D17



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	
		L133D17	G3145203	
	G 3/4	L133V07	G2990202	
		L133B07	G2990201	
	G 1	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 (c.a.)	Z923E	
		L133B-V06 (c.c.)	Z923A	

►INSTALLATION

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