



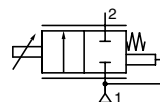
PROPORTIONAL SOLENOID VALVE

PRECIFLOW IPC

direct operated

1/8, cartridge or pad-mount version

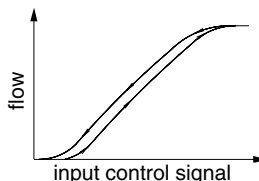
NC



2/2
Series
202

FEATURES

- Variable flow, proportional to the applied current
- Inlet Pressure Compensated construction (IPC)
- Valves do not require a minimum operating pressure
- 2/2 NC function: fluid entry under the disc
- The solenoid valves satisfy all relevant EC directives



GENERAL

Differential pressure	See «SPECIFICATIONS» [1 bar = 100 kPa]
Max. backpressure	10% of inlet pressure
Max. overload pressure	10 bar
Maximum viscosity	50 cSt (mm ² /s)

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas ⁽¹⁾	+10°C to + 50°C	FPM (fluoroelastomer)

⁽¹⁾ Filtration: 5 µm



MATERIALS IN CONTACT WITH FLUID

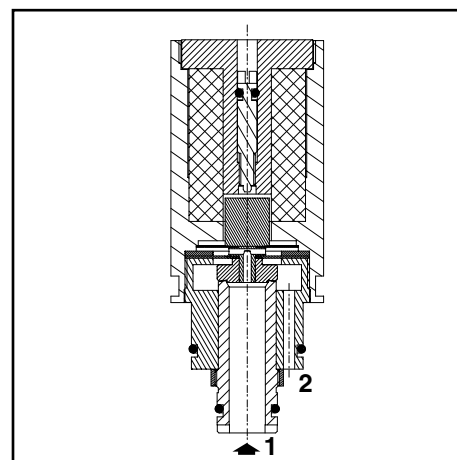
(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body	Brass or stainless steel or POM (pad-mount version)
Core and plugnut	Stainless steel
Springs	Stainless steel
Seat	Stainless steel
Seals	FPM, NBR
Disc	FPM

ELECTRICAL CHARACTERISTICS

Coil insulation class	F
Connection	Cable leads (PTFE); 0,23 m length (AWG 24)
Electrical safety	IEC 335
Electrical enclosure protection	IP40 (EN 60529)
Standard voltages	DC (=) : 6V - 12V - 24V

(other voltages on request)



prefix option	voltage (V) =	current consumption (mA)	power ratings				operator ambient temperature range (TS) (C°)	type ⁽¹⁾
			inrush ~ (VA)	holding ~ (VA)	holding ~ (W)	hot/cold = (W)		
L	6	max. 420	-	-	-	2,5	+10 to + 50	01
	12	max. 210	-	-	-	2,5		
	24	max. 110	-	-	-	2,5		

⁽¹⁾ Refer to the dimensional drawings on the following page.

Voltage regulation	0 - 6 V DC, 0 - 12 V DC, 0 - 24 V DC 6 V, 12 V and 24 V DC pulse-width modulated (2000 Hz)
Flow regulation characteristics	Hysteresis < 5%; Repeatability 1%; Sensitivity < 1%

SPECIFICATIONS

pipe size	orifice size (mm)	flow coefficient Kv (m ³ /h) (l/min)		operating pressure differential (bar) min.		power coil (W)	catalogue number		
							brass	stainless steel	POM
					max. (PS) air, inert gas (*)				
					=	=	(=)	(=)	(=)
NC - Normally closed									
G 1/8	3	0,17	2,8	0	7	2,5	LG202A514	-	-
13,9 mm cartridge	3	0,17	2,8	0	7	2,5	-	LS202A515	-
pad mounting	3	0,17	2,8	0	7	2,5	-	-	LS202A516

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
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Киров (8332)68-02-04
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Магнитогорск (3519)55-03-13
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Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
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Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

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Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
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Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

OPTIONS

- Digital control module CONTROL^D for DIN EN 50022 rail mounting (catalogue numbers: **60300117 - 60300118**)
 - Features:
 - Control device for PWM (pulse-width modulated) proportional valve control
 - Designed for open-loop, closed-loop and double-loop (cascaded) control
 - Suitable for the control of flow, pressure, temperature, force etc.
 - Integrated display and LEDs
 - Control parameters adjustable via software (DigiCom, USB interface)
 - Auto-Adapt function/button for automatic adjustment of the CONTROL^D control device to the control valve
 - CONTROL^D software, „ASCO-DigiCom“ for adjustment over PC. Setpoint and feedback values are viewed at the same time
 - Valve diagnostics, parameter setting and maintenance
- Other pipe connections are available on request

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Pipe connection identifier is G = G (ISO 228/1)
- Installation/maintenance instructions are included with each valve

ORDERING EXAMPLES:

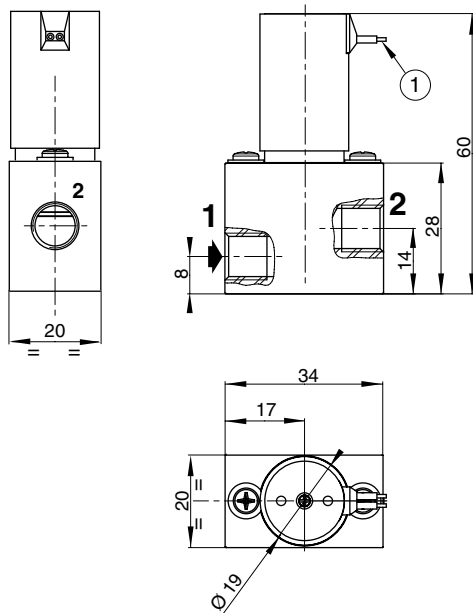
L	G	202 A 514	12V / DC
L	S	202 A 515	24V / DC
prefix	pipe thread	basic number	voltage
			suffix

DIMENSIONS (mm), WEIGHT (kg)

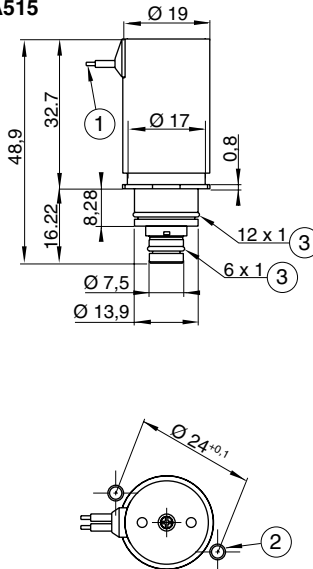


TYPE 01
Prefix “L” Solenoid
Cable ends
IP40

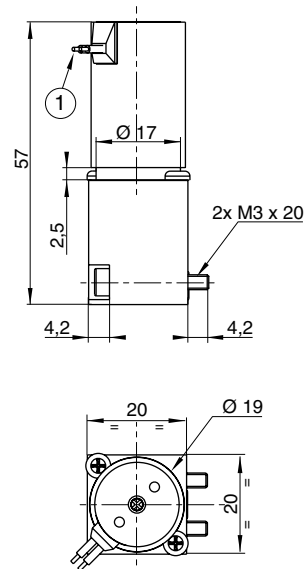
LG202A514



LS202A515



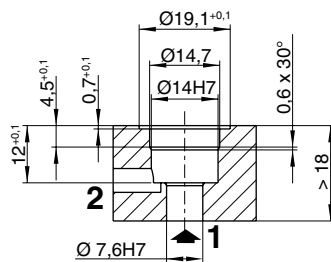
LS202A516



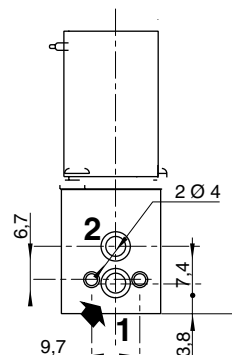
- 2 electrical supply wires, length: 0,23 m.
- Mounting: 2 screws M3 x 6 mm + washers
- O-Ring

type	prefix option	catalogue number	weight ⁽¹⁾
01	L	LG202A514	0,183
		LS202A515	0,063
		LS202A516	0,073

⁽¹⁾ Including leads, length 0,23 m.



Mounting geometry



Mounting pad

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