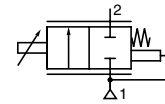




PROPORTIONAL SOLENOID VALVE PRECIFLOW 19 mm CARTRIDGE

direct operated
1/8, pad-mount or inline version

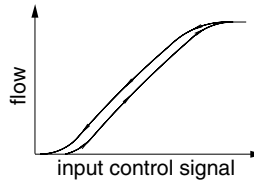
NC



2/2
Series
202

FEATURES

- Variable flow, proportional to the applied current
- Valves do not require a minimum operating pressure
- 2/2 NC function: fluid entry under the disc
- Suitable for the control of air and inert gases
- The solenoid valves satisfy all relevant EC directives



GENERAL

Differential pressure See «SPECIFICATIONS» [1 bar = 100 kPa]
Max. overload pressure 15 bar
Maximum viscosity 50 cSt (mm²/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	Stainless steel
Subbases	POM (pad-mount version) Brass (inline version)
Core and plugnut	Stainless steel
Springs	Stainless steel
Seat	Stainless steel
Seals	FPM (EPDM and FFPM on request)
Disc	FPM (EPDM and FFPM on request)
Solenoid body	PPS

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connection Cable leads (PTFE); 0,23 m length (AWG 24)
Electrical safety IEC 335
Electrical enclosure protection IP50 (EN 60529)
Standard voltages DC (=) : 6V - 12V - 24V
 (other voltages on request)

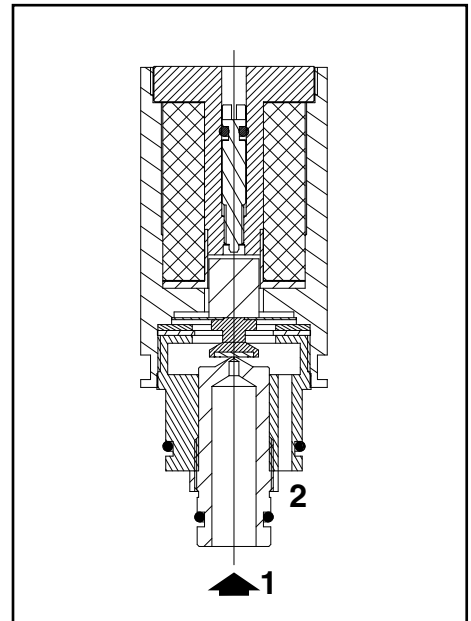
prefix option	voltage (V) =	current consumption (mA)	power ratings			operator ambient temperature range (TS) (C°)	type ⁽¹⁾	
			inrush ~ (VA)	holding ~ (VA)	hot/cold = (W)			
L	6	max. 90	-	-	-	0 to +50	01	
		max. 420						0,5
	12	max. 45						2,5
		max. 210						0,5
	24	max. 25						2,5
		max. 110						0,5

⁽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 (min. 2000 Hz)
Flow regulation characteristics Hysteresis < 5%; Repeatability 1%; Sensitivity < 1%

SPECIFICATIONS

pipe size	orifice size (mm)	flow coefficient Kv		operating pressure differential (bar)		power coil (W)	catalogue number
		(m ³ /h)	(l/min)	min.	max. (PS)		
							(=)
NC - Normally closed							
Cartridge	0,1	0,0003	0,005	-0,9	10	0,5	LS202A517
	0,2	0,0012	0,02		10		LS202A518
	0,5	0,0072	0,12		10		LS202A519
	0,8	0,015	0,25		10	2,5	LS202A520
	1,2	0,021	0,35		10		LS202A521
	1,6	0,028	0,47		10		LS202A522



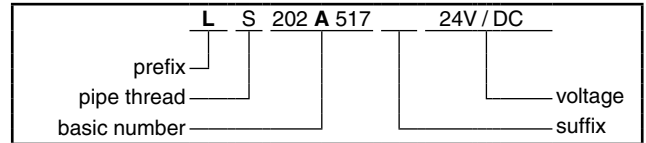
OPTIONS

- 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
- Other seal materials 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:

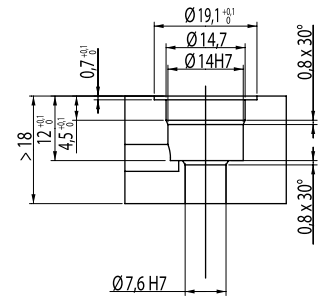
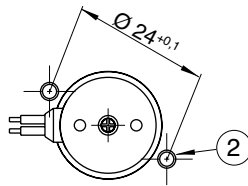
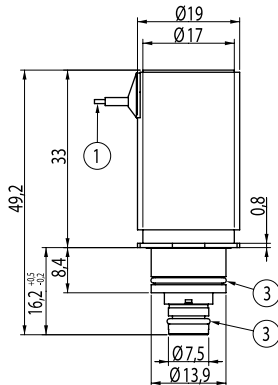


DIMENSIONS (mm), WEIGHT (kg)



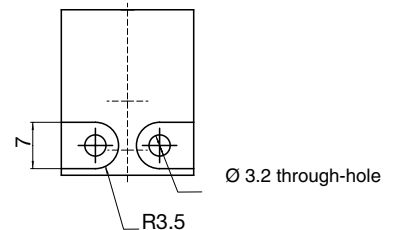
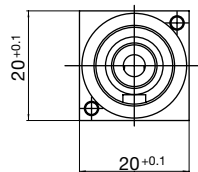
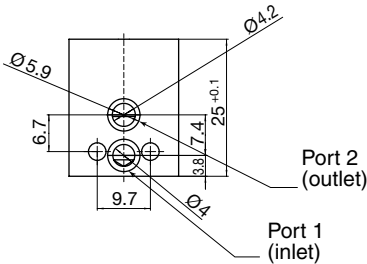
TYPE 01
Prefix "L" Solenoid
Cable ends
IP40

Preciflow 19 mm cartridge



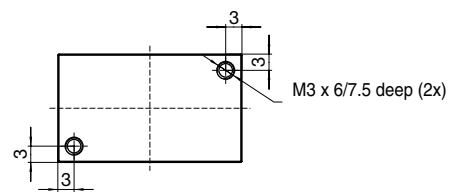
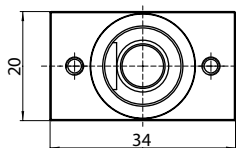
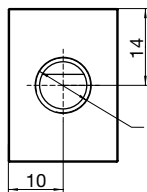
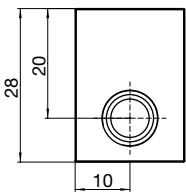
Pad-mount subbase 833-943762

POM (supplied with 2 screws M3x20 and O-rings)



Inline subbase 833-943675

Brass



View
Port 1 (inlet)

View
Port 2 (outlet)

- 1 2 electrical supply wires, length: 0,23 m
- 2 Mounting: 2 screws M3 x 6 mm + washers
- 3 O-ring

catalogue number	weight
LS202A517/518/519/520/521/522	0,063 ⁽¹⁾
833-943675	0,120
833-943762	0,010

⁽¹⁾ Including leads, length 0,23 m