DERWENT FLOW CONTROL

avfi

ASL SERIES

PILOT OPERATED SOLENOID VALVES

The ASL range is a pilot operated solenoid valve that will work from 0.5 bar pressure and is available in brass or stainless steel. Models include ASLA which is normally closed (energise to open) or ASLAH normally open (energise to close).

All models feature investment cast body, interchangeable coils and PTFE diaphragm. The SLA range is specifically designed for steam or water pressures up to PN25.

FEATURES

- Normally closed or normally open models.
- Brass or stainless steel body materials.
- PTFE diaphragm, others available on request.
- LED din plug available.
- All voltages interchangeable.

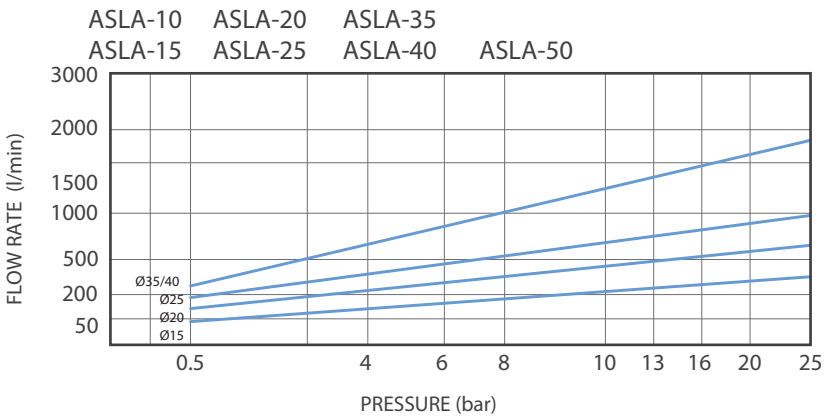
ASLA

ASLAH-316

TECHNICAL DATA

Size Range	10mm - 50mm (3/8" - 2")
Suitable for	Steam, water, air & oil under 20 CST
Maximum Temperature	185°C
Voltages	24VAC, 240VAC, 12VDC, 24VDC, 110VAC
Connections	BSPF (standard) NPT (optional)

PRESSURE LOSS



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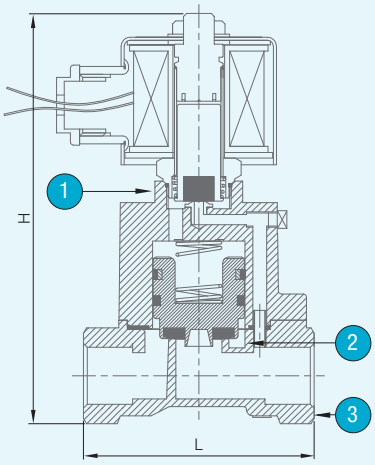
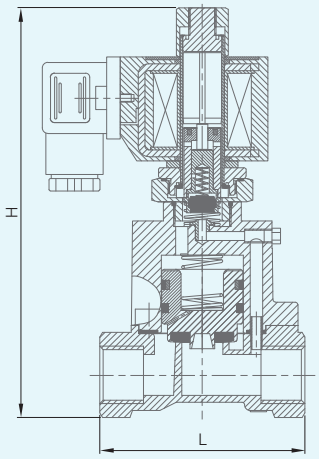
ASL SERIES
PILOT OPERATED SOLENOID VALVES

DIMENSIONAL DRAWING



ASLA



ASLAH

MATERIAL SPECIFICATIONS & PARTS LIST

NO.	DESCRIPTION	MATERIAL
1	Valve Cover	Brass / 316SS
2	Diaphragm	Viton
3	Valve Body	Brass / 316SS

DIMENSIONS (MM)

MODEL	FUNCTION	BODY MATERIAL		DN	NPS	L x H (MM)	CV FACTOR
ASLA & ASLA-316	Normally Closed	ASLA (Brass)	ASLA-316 (SS316)	10	3/8"	75x129	4.5
				15	1/2"	75x129	4.5
				20	3/4"	85x141	9
				25	1"	100x148	13
				32	1 1/4"	120x168	26
				40	1 1/2"	120x168	26
				50	2"	150x190	45
ASLAH & ASLAH -316	Normally Open	ASLAH (Brass)	ASLAH -316 (SS316)	10	3/8"	75x147	4.5
				15	1/2"	75x147	4.5
				20	3/4"	85x159	9
				25	1"	100x166	13
				32	1 1/4"	120x186	26
				40	1 1/2"	120x186	26
				50	2"	150x205	45

SELECTION LIST

MODEL & SIZE	MINIMUM PRESSURE	OPERATING PRESSURE BAR (AIR)		OPERATING PRESSURE BAR (WATER)		OPERATING PRESSURE BAR (OIL)		STEAM	POWER CONSUMPTION		COIL TYPE & CODE (D=DIN PLUG)			
		AC	DC	AC	DC	AC	DC	AC/DC	24/240VAC (VOLTS AMPS)	12/24DC (WATTS)	240VAC	24VAC	24VDC	12VDC
ASLA & ASLA-316														
10 - 50	0.5	25	20	25	20	20	20	10	48/20	28.5/20	D01-41014	D01-4104	D01-4106	D03-5107
ASLAH & ASLAH-316														
10 - 25	0.5	8	8	8	8	8	8	8	48/20	28.5/20	D01-41014	D01-4104	D01-4106	D03-5107
32 - 50	0.5	6	6	6	6	6	6	6	48/20	28.5/20	D01-41014	D01-4104	D01-4106	D03-5107

ORDERING CHART

MODEL	STATE		MATERIAL		SIZE	COIL TYPE	
ASL	-A	Normal Closed	-	Brass	-10	12VDC	240VAC
	-AH	Normal Open	-316	316 Stainless Steel	-15	24VDC	110VAC
					-20	24VAC	

EXAMPLE	ASL, Normally Closed, Brass, 10mm, 12VDC
	ASL-A-10-12VDC

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