

Soft start up valve with lock out

- Large effective area ● Low power consumption
- Manual/Manual solenoid lock out ● Modular design

AVL2000/3000/4000/5000

O.S.H.A compliant-lockable soft start valve. Gradual increase of supply pressure and rapid exhaust of system air when the supply is shut off.

How to Order

AVL 20 00-F 02 G 5 DZM-R

Soft start valve with lock out

Body size

20	1/4
30	3/8
40	1/2
50	3/4, 1

Port thread

Nil	Rc
N	NPT
F	G

Port size

02	1/4 (AVL2000)
03	3/8 (AVL3000)
04	1/2 (AVL4000)
06	3/4 (AVL5000)
10	1 (AVL5000)

Rated coil voltage

Nil	Manual lockout
1	100VAC (50/60Hz)
2	200VAC (50/60Hz)
3	110 to 120VAC (50/60Hz)
4	220VAC (50/60Hz)
5	24VDC
6	12VDC
9	Others

Option

Nil	No gauge
G	Pressure gauge(Unit: MPa)
P	Pressure gauge (Unit: MPa, psi)

Air direction

Nil	Left to Right
R	Right to Left

Electric entry

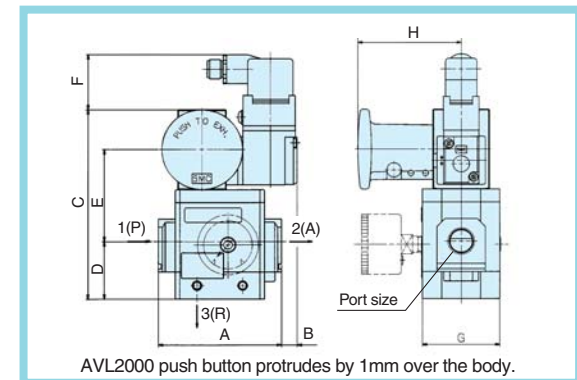
Nil	Manual lockout
D	D type DIN connector
DZ	D type DIN connector with indicator light & suppressor
DZM	D type DIN connector with M12 connector, indicator light & surge voltage suppressor



Dimension AVL2000 to AVL5000

(mm)

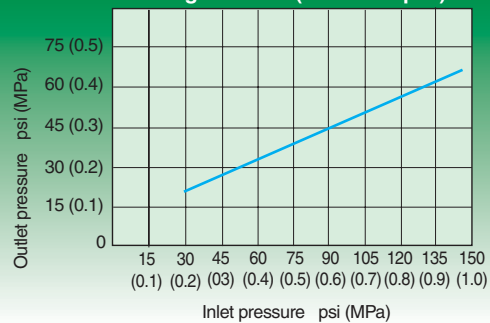
Model	Port size	A	B	C	D	E	F	G	H
AVL2000-02	1/4	67	-	111	31	55	-	40	64 (Max. 73)
AVL2000-02-DZM	1/4	67	20.5	111	31	55	34	40	64 (Max. 73)
AVL3000-03	3/8	76	-	118	36	57	-	48	64 (Max. 73)
AVL3000-03-DZM	3/8	76	12.5	118	36	57	34	48	64 (Max. 73)
AVL4000-04	1/2	98	-	133	47	61	-	52	64 (Max. 73)
AVL4000-04-DZM	1/2	98	-	133	47	61	34	52	64 (Max. 73)
AVL5000-06 to 10	3/4 & 1	128	-	161	59	77	-	74	64 (Max. 73)
AVL5000-06 to 10-DZM	3/4 & 1	128	-	161	59	77	34	74	64 (Max. 73)



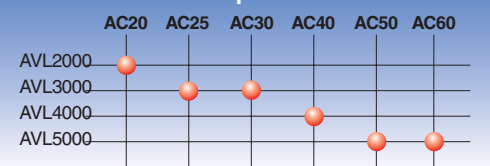
Specifications

Model			AV2000	AV3000	AV4000	AV5000	
Port size			1/4	3/8	1/2	3/4	1
Proof pressure			225psi (1.5MPa)				
Operating pressure range			30 to 150psi (0.2 to 1MPa)				
Ambient and fluid temperature			32 to 140°F (0 to 60°C)				
Effective area (mm²)	1(P) to 2(A)	20	37	61	113	122	
	2(A) to 3(R)	24	49	76	132	141	
Weight manual/solenoid (Kg/lb)		0.64 (1.14)	0.74 (1.63)	1.00 (2.21)	1.90 (4.19)	1.84 (4.06)	
Weight manual (Kg/lb)		0.52 (1.15)	0.62 (1.37)	0.88 (1.94)	1.78 (3.93)	1.72 (3.79)	
Electrical specification	Rated coil voltage		100, 200, 110 to 120, 220VAC (50/60Hz), 12, 24VDC				
	Allowable voltage fluctuation		-15% to +10% of rated voltage				
	Coil insulation type		Equivalent to B type [266°F (130°C)]				
	Current consumption	AC	Inrush	5.6V (50Hz), 5.0VA (60Hz)			
			Energized	3.4VA (2.1W) 50Hz, 2.3VA (1.5W) 60Hz			
	Current consumption DC		1.8W				
	Electric entry		Type D DIN Terminal, M12 connector				
	Optional specification		Indicator light/Surge voltage suppressor				

Piston B Switching Pressure (Close to Open)



Combination with a modular style FRL is possible.



Dimension AC20* to AC60*

(mm)

Model	A1	A2	A3
AC20*	41.5	43	67.5
AC25*	55	57	78
AC30*	55	57	78
AC40*	72.5	75	100.5
AC50*	93	96	131
AC55*	98	96	131
AC60*	98	101	131

