A15 Series

3/5-Port Direct Operated Solenoid Valve
Metal Seal, In-line mounting/Sub-base Mounting type

AS2315
2-position, single solenoid
AS2415
2-position, single solenoid
AD2415
2-position, double solenoid
AD3415
3-position, closed center
ADE3415
3-position, Exhaust center

Specificiations

Model No.				Unit	AS2315	AS2415	AD2415	AD3415	ADE3415
Fluid					Non-lubricated/lubricated air				
Port size					Rc½, ¾				
Effective area				mm^2	80	75	75	75	75
CV value					4.34	4.07	4.07	4.07	4.07
Operating ambient temperature				℃	-5~60				
Operating pressure range				MPa	-0.1~1				
Maximum frequency				cycle/min	150	150	150	150	150
Response time (at 0.5MPa)				s (average)	0.018	0.035	0.025	0.020	0.020
Rated voltage				V	AC/110,220				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	±10				
Rated frequency				Hz	50/60				
Apparent power	AC	Activation	50Hz	VA	38			38	
			60Hz	VA	28			28	
		Continuous	50Hz	VA	370			520	
			60Hz	VA	320			480	
Mass				kg	1.8	2.8(3.2)	3.6(4.0)	3.8(4.2)	3.8(4.2)

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Representation

- Supply complete-dry air to avoid freezing when temperature of valve site falls below 5℃
- Response time shown above is in accordance with JIB B 8375● Effective area shown above is a value between ports 1 and 2, 4 ● Mass in bracket( )shown with Rc¾ ported sub-base.

Parts Name		Model No.
Solenoid unit for 2-position	AC110V	A15-10710
	AC220V	A15-20720
Solenoid unit for 3-position	AC110V	A15-11510
	AC220V	A15-21520
Sub-base	Rc½	A15-SB-04
	Rc¾	A15-SB-06
Base gasket		A15-G
Spring	For 2-position	A15-SS
	For 3-position	A15-3S

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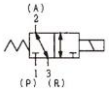
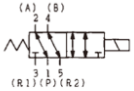
AS2415 – 04 – 110 P

Model No.

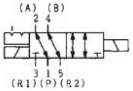
AS2315



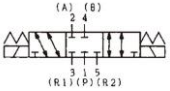
AS2415



AD2415



AD3415



ADE3415

Versions

No mark : Standard
I : With indicator light
K : With surge suppressor
P : With indicator light & surge suppressor

Voltage

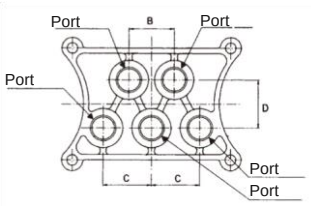
110: AC110V
220: AC220V

Port size

04: Rc½
06: Rc¾

A

Optional Parts and Spare Parts



Port size: Rc½
Bottom porting is made to order

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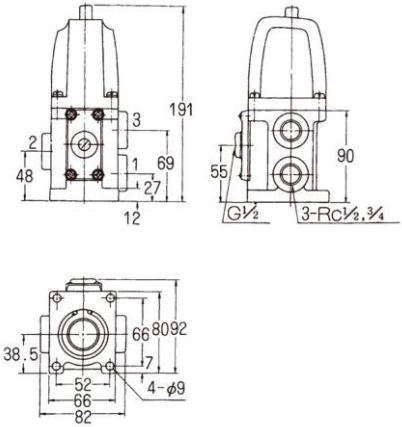
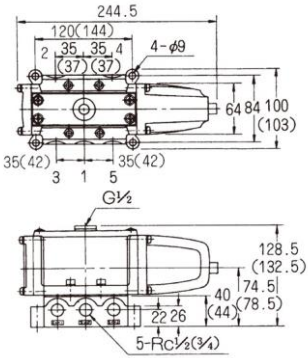
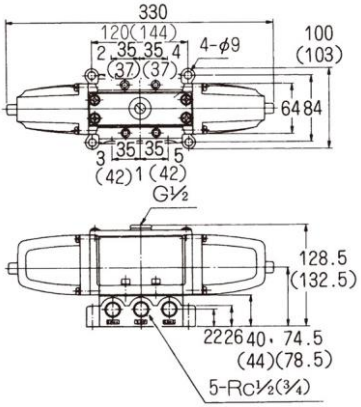
AS2315 (Unit: mm)



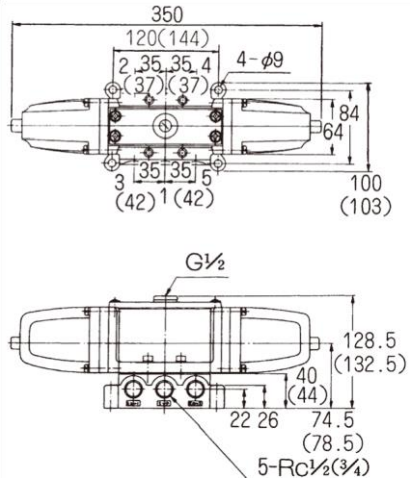
AS2415 (Unit: mm)



AD2415 (Unit: mm)



AD3415, ADE3415 (Unit: mm)



(Note) Dimensions in bracket( )shown with the sub-base.

Bottom porting (Unit: mm)

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