

Direct-Acting 2/2-Way Valve

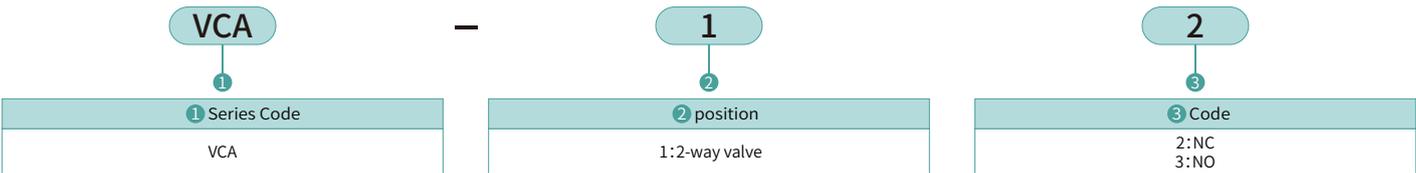
VCA series



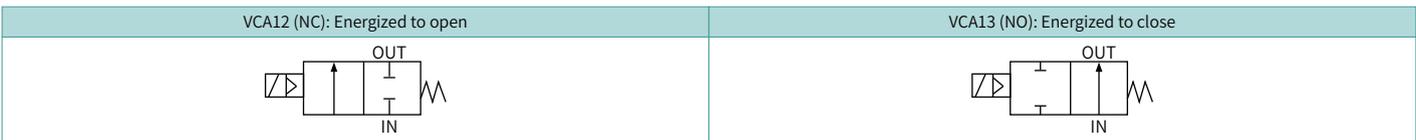
Technical Specifications

Valve Type	Direct-acting 2/2-way valve	
Operation Mode	Normally Closed (NC)	Normally Open (NO)
Model	VCA12 (NC)	VCA13 (NO)
Port Size	Ø3mm	
Working Pressure	-0.1 ~ 1.0Mpa	
Rated Voltage	DC24V±10%	
Starting Power	10W(VCA12)	15W(VCA13)
Holding Power	3W	
Leakage Rate	<20Pa	
Ambient Temperature	-5 to 50°C (non-freezing)	
Fluid Temperature	5 to 50°C	
Insulation Class	Class B	
Environment	Not for corrosive gas atmospheres	
Compatible Fluids	Air	

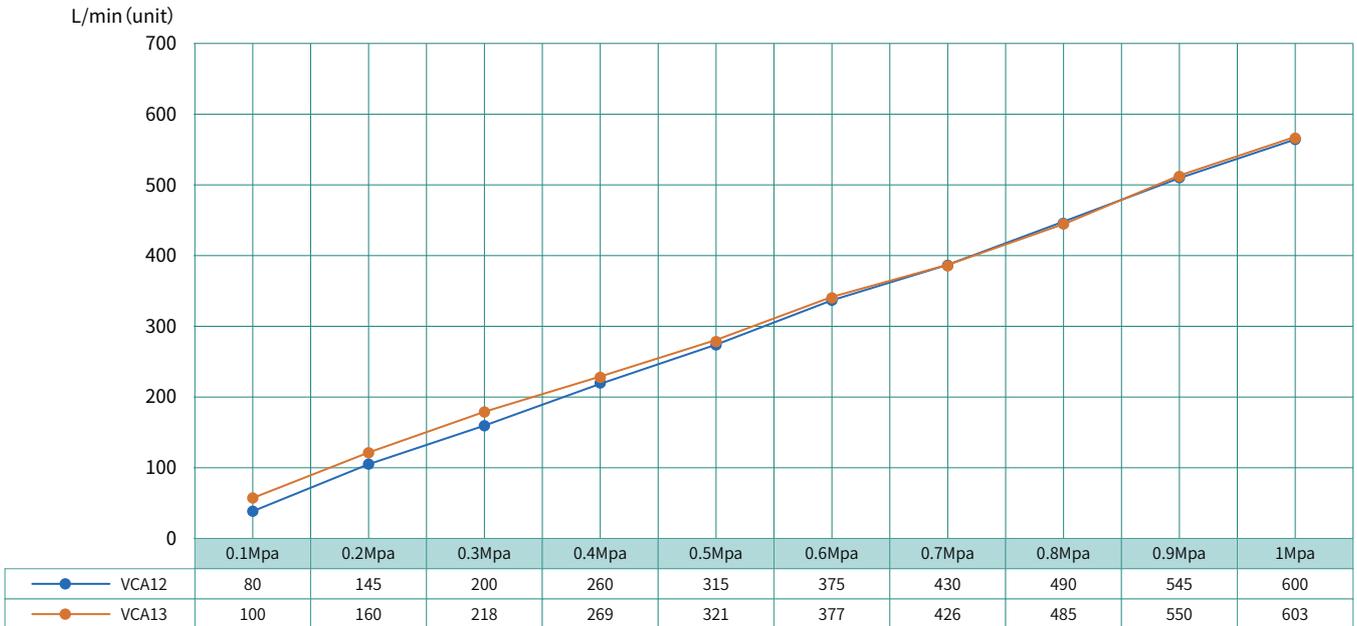
Model Numbering System



Pneumatic Symbols



Flow Rate Chart



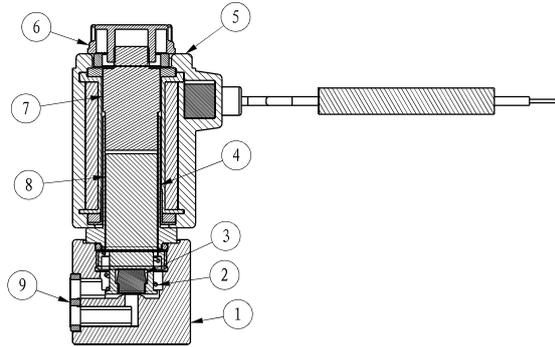
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VCA series

Dimensional Drawings & Materials

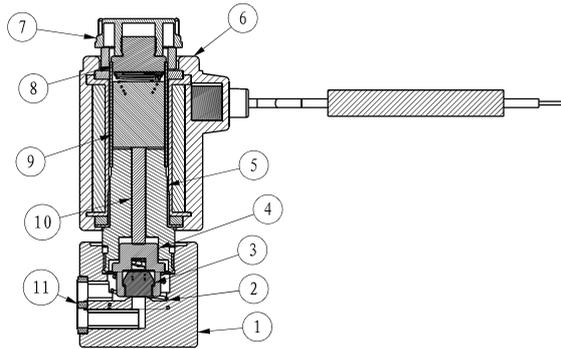
►VCA12

Serial Number	PART NAME	Material
1	Valve Body	Aluminum Alloy
2	Conical Spring	Stainless Steel
3	Seal Gasket	Rubber
4	Sleeve	Stainless Steel
5	Coil	Resin + Copper Wire
6	Plastic Nut	Nylon
7	Static Iron Core	Stainless Iron
8	Moving Iron Core	Stainless Iron
9	Square Seal	Rubber



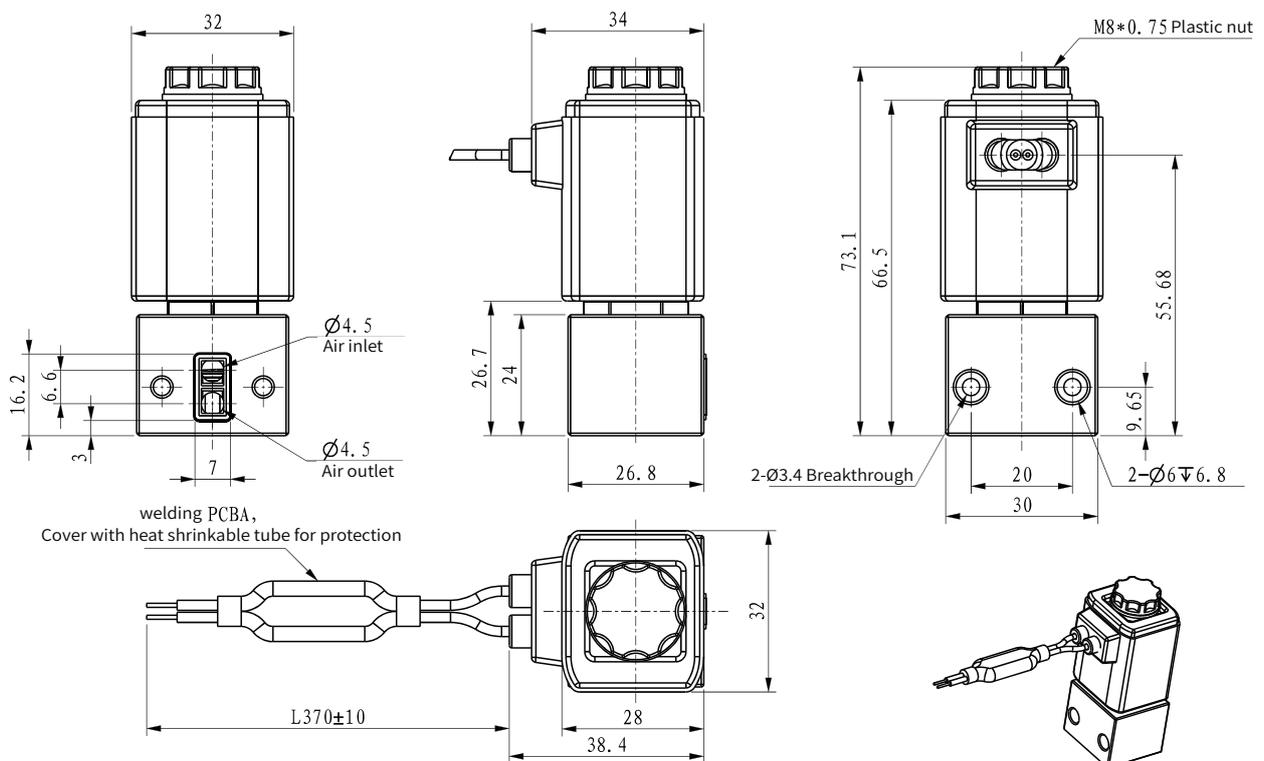
►VCA13

Serial Number	PART NAME	Material
1	Valve Body	Aluminum Alloy
2	Conical Spring	Stainless Steel
3	Seal Gasket	Rubber
4	Piston	Stainless Steel
5	Static Iron Core	Stainless Iron
6	Coil	Resin + Copper Wire
7	Plastic Nut	Nylon
8	Static Iron Core 2	Stainless Iron
9	Moving Iron Core	Stainless Iron
10	Ejector Pin	Stainless Steel
11	"Ri" - shaped Gasket	Rubbe



Outline Installation Dimension Drawing

►Normally closed type:VCA12



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VCA series

Outline Installation Dimension Drawing

► Always open type: VCA13

