

Direct-Acting 2-Port Valve

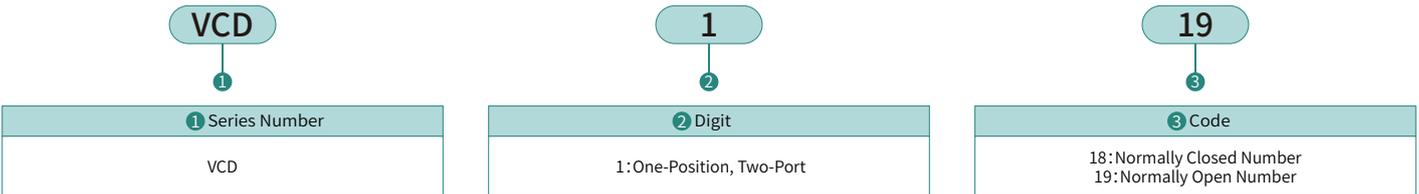
VCD Series



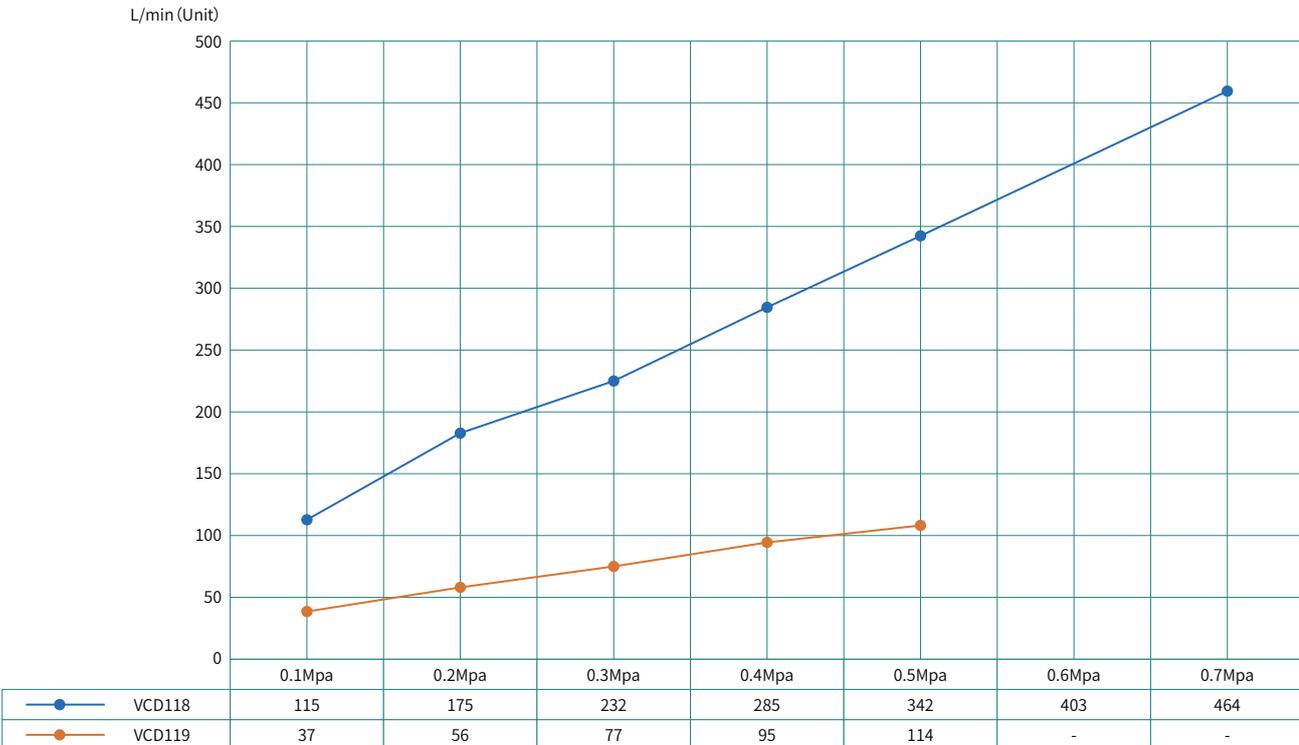
Technical Specifications

Valve Type	Direct-Acting 2-Port Valve	
Operation Type	Normally Closed	Normally Open
Model	VCD118	VCD119
Port Size	Ø2.9mm	Ø1.6mm
Operating Pressure	-0.1-0.7Mpa	0-0.5Mpa
Rated Voltage	DC24V±10%	
Rated Power	6.5W	7W
Ambient Temperature	-5~50 (without freezing)	
Fluid Temperature	5~50	
Insulation Class	Class B	
Applicable Fluid	Air, Vacuum	Air

Model Numbering System



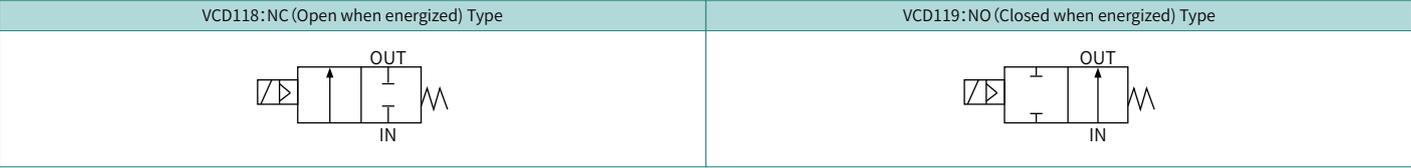
Flow Rate Curve



Direct-Acting 2-Port Valve

VCD Series

Pneumatic Symbols



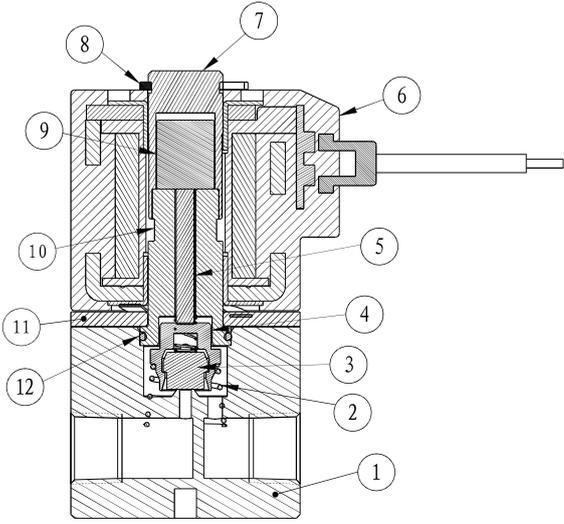
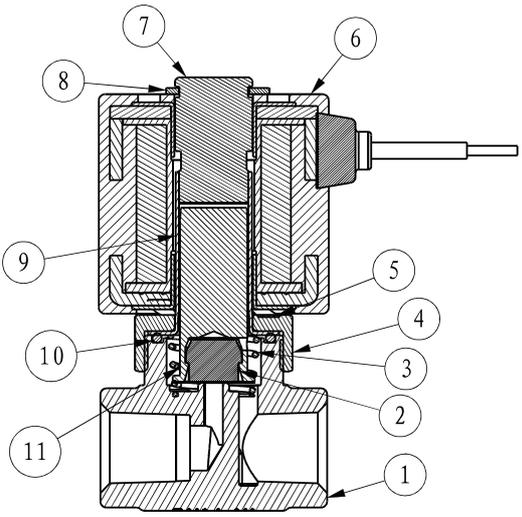
Structure Diagram and Materials

► VCD118

No.	Part Name	Material
1	Valve Body	Stainless Steel
2	Core Gasket	EPDM Rubber
3	Conical Spring	Stainless Steel
4	Cap Nut	Brass
5	Wave Spring Washer	Stainless Steel
6	Coil	Resin + Copper Wire
7	Stationary Core	Soft Magnetic Stainless Steel
8	Shaft Retaining Ring	Stainless Steel
9	Sleeve	Stainless Steel
10	O-Ring	EPDM Rubber
11	Moving Core	Soft Magnetic Stainless Steel

► VCD119

No.	Part Name	Material
1	Valve Body	Stainless Steel
2	Conical Spring	Stainless Steel
3	Core Gasket	EPDM Rubber
4	Piston	Stainless Steel
5	Push Rod	Stainless Steel
6	Coil	Resin + Copper Wire
7	Sleeve	Stainless Steel
8	Shaft Retaining Ring	Stainless Steel
9	Moving Core	Soft Magnetic Stainless Steel
10	Stationary Core	Soft Magnetic Stainless Steel
11	Pressure Plate	Stainless Steel
12	O-Ring	EPDM Rubber

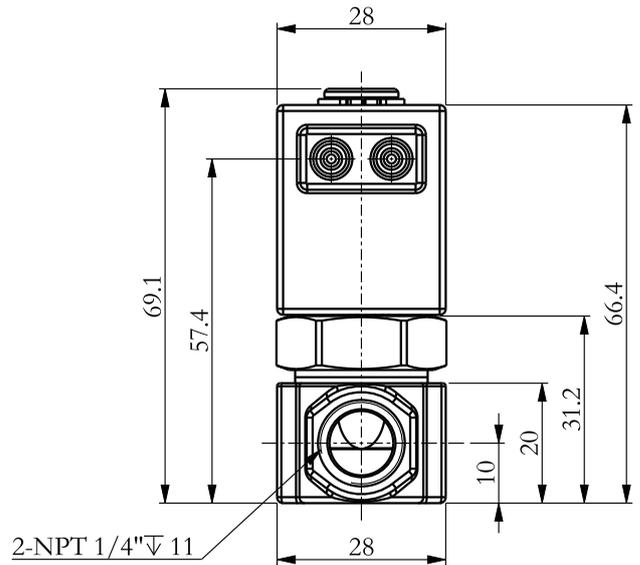
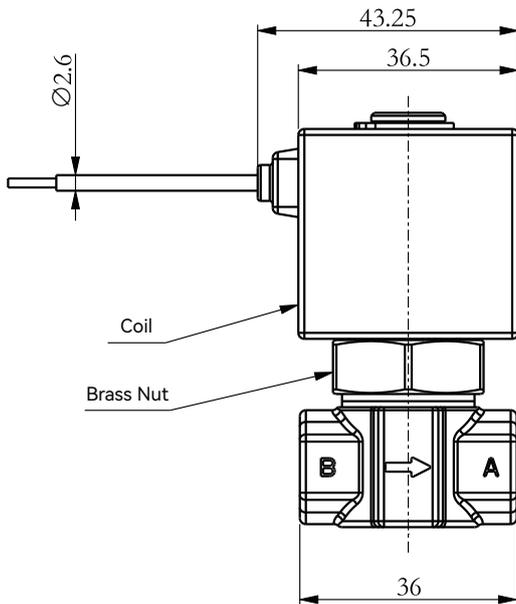
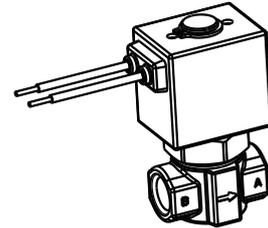
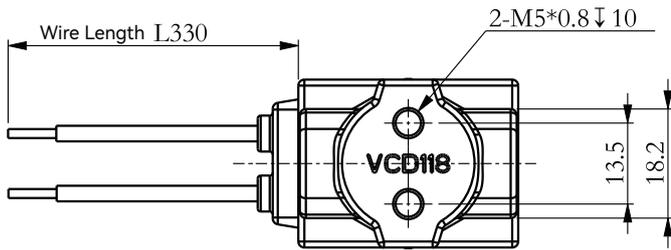


Direct-Acting 2-Port Valve

VCD Series

Outline and Installation Dimensions

► Normally Closed Type: VCD118



Direct-Acting 2-Port Valve

VCD Series

Outline and Installation Dimensions

► Normally Open Type: VCD119

