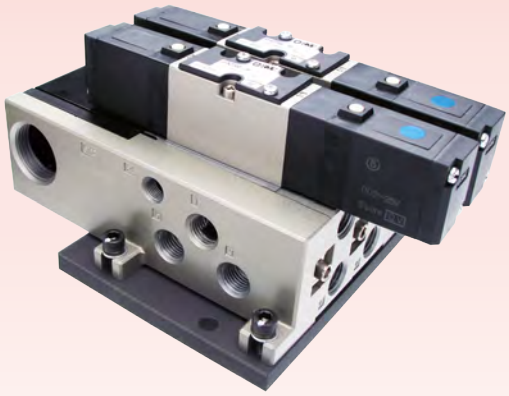
Air Valve Unit

For Automatic Slide Clamp

Model MV30



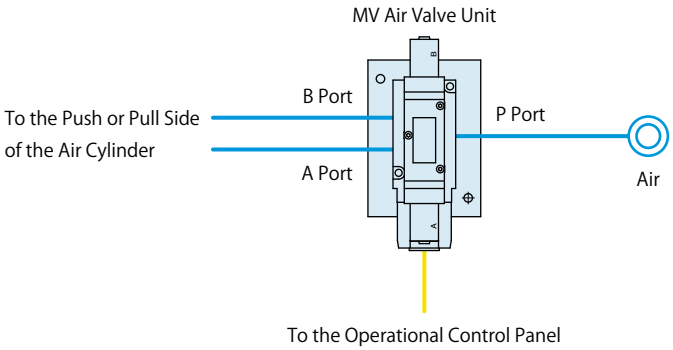
Air Valve Unit for GBE/GBF/GBR/GLA Clamp

Air valve unit controls the air cylinder of the automatic slide clamp for total automation.

Air directional control valve which is actuated by electrical signal. GBE/GBF/GBR/GLA clamp slides automatically with the air cylinder.

Application Example

The drawing shows the air flow direction when controlling the push and pull sides of air cylinder with MV Air Valve Unit.



Model No. Indication

MV30 **2** **3** - **SS** - **5** - **N**

1 2 3 4 5

1 Size Code

1 : For Small/Medium Clamp
2 : For Large Clamp

2 Design No.

3 : Revision Number

3 Circuit Symbol

S : Slider Circuit
(Solenoid Valve : 3 Position Exhaust Center)

T : Slider Circuit
(Solenoid Valve : 2 Position Double)

● Circuit Symbol Example

Symbol	Circuit Type	Application Example
S	1 Slider Circuit	Vertical IMM Upper Mold Only
SS	2 Slider Circuits	Horizontal IMM Stationary Platen + Movable Platen
SSS	3 Slider Circuits	Vertical IMM Upper Mold 2 Circuits + Lower Mold 1 Circuit

4 Valve Control Voltage

1 : AC 100 V
2 : AC 200 V
3 : AC 110 V
4 : AC 220 V
5 : DC 24 V

5 Option

Blank : Standard
C : Negative Common
N : NPT Port ※1
R : With Silencer
S : Solenoid Valve with Light/Surge Voltage Suppressor

Notes :
※1. For 5 Option **N** : NPT Port, the dimensions in the specification sheet and other documents are in inches.
1. Please contact us when using a large number of clamps.

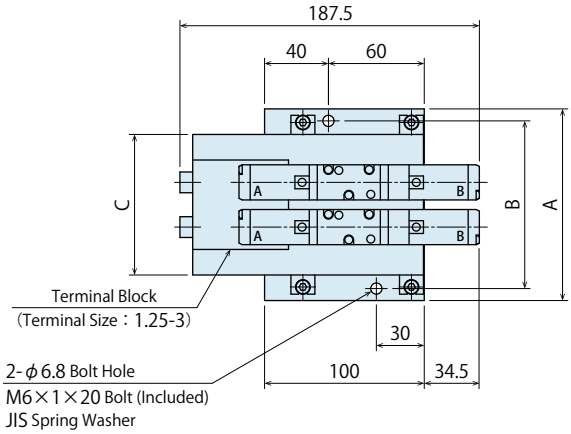
Specifications

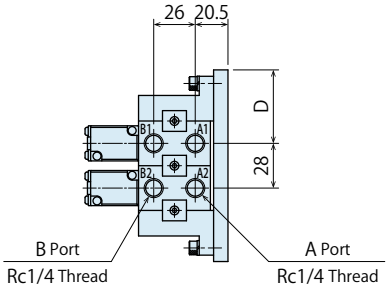
Model No.		**MV3013**	**MV3023**
Valve		Metal Seal / Five-Port Pilot Operated	
Position/Number of Solenoid	3 Circuit Symbol **S**	Three-Position Exhaust Center	
	3 Circuit Symbol **T**	Two-Position Double	
Effective Area	mm^2	15	36
Usable Fluid		Dry Air ※2	
Max. Operating Pressure	MPa	1.0	
Withstanding Pressure	MPa	1.5	
Operating (Fluid) Temperature	℃	-10 ~ +60	
Oil Supply		No Oil Supply	
Protection		Dust Proof	
Solenoid Valve (SMC)	3 Circuit Symbol **S**	VFS2400	VFS3400
	3 Circuit Symbol **T**	VFS2200	VFS3200

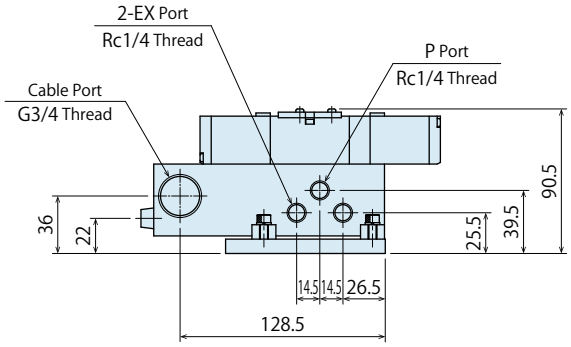
Note :
※2. Please supply filtered clean dry air.

External Dimensions

※ This drawing shows MV3013.







(mm)

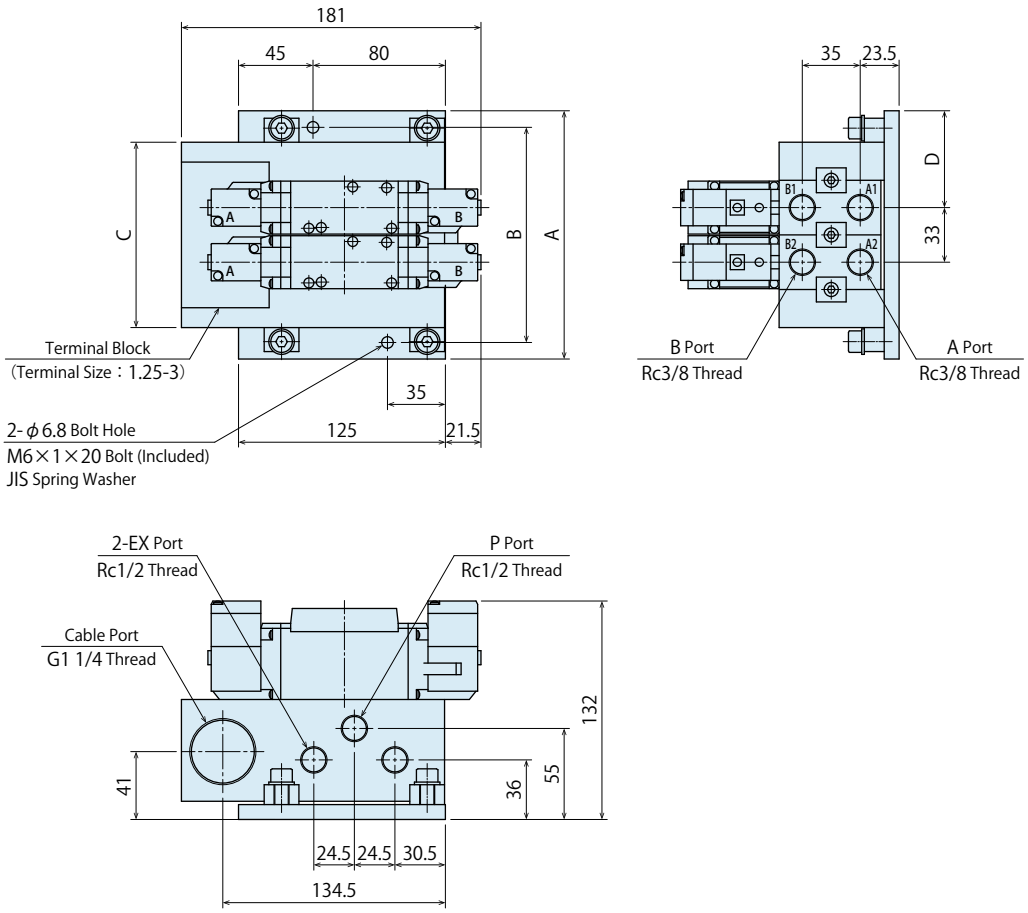
Number of Circuits	A	B	C	D
2	120	105	88	46
3	150	135	116	47

Note :

1. Please contact us for the dimensions for one circuit model.

External Dimensions

※ This drawing shows MV3023.



(mm)

Number of Circuits	A	B	C	D
2	150	130	112	58.5
3	185	165	145	59.5

Note :

1. Please contact us for the dimensions for one circuit model.

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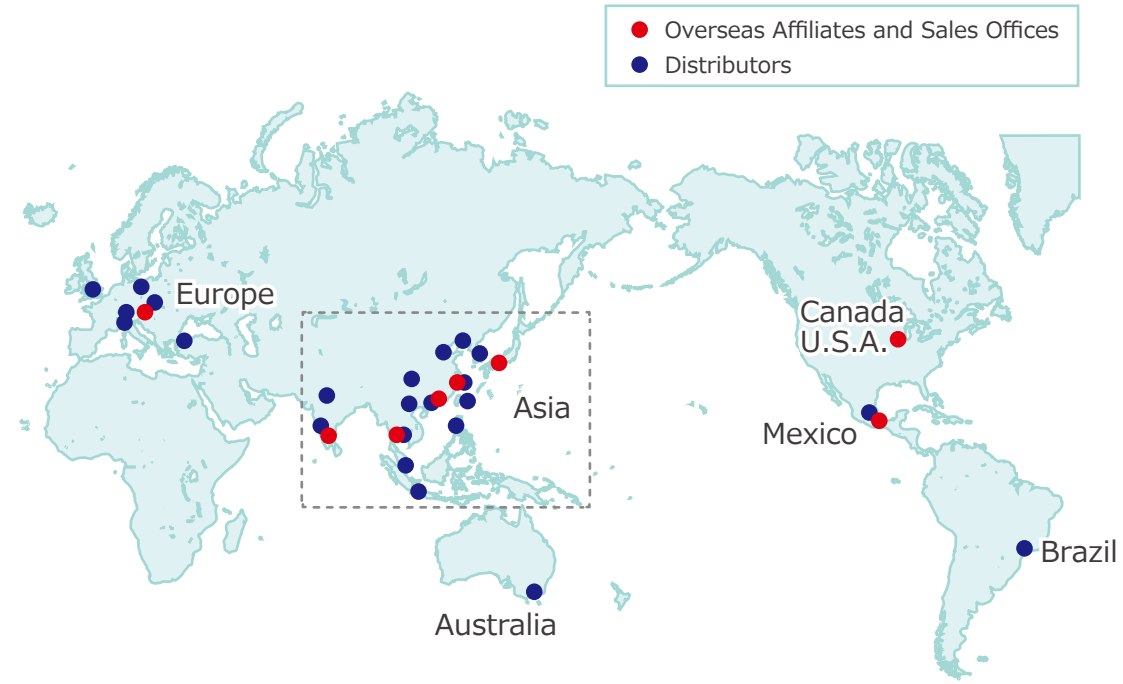

Asia Detailed Map

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