



10.5 mm Width Integrated Type Vacuum Switching Unit

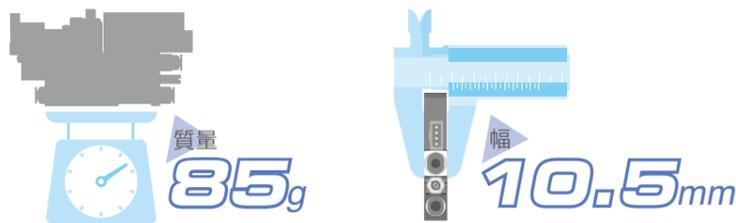
# VSXP Series



**VSXP Series**  
Model No. Notation

## Lightweight, compact integrated type vacuum switching unit achieving high cycle operation of vacuum systems

### Lightweight, compact vacuum generator meeting market needs



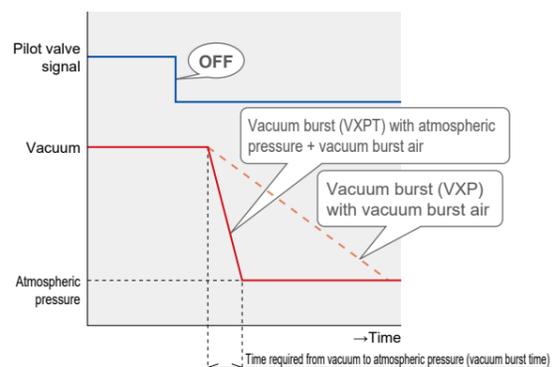
\*The Weight above is the value for the 2-port specification direct mount type with LED display pressure sensor.

### Vacuum supply valve available in Normally Closed (always closed).

Valve response time is pursued to the utmost limit, achieving high cycle operation of vacuum systems.

### Significantly shortens vacuum break time by making the main valve for vacuum supply a 3-way valve.

Since vacuum is held immediately after the main valve turns OFF, compared to the conventional 2-way valve (VXP type) which performed vacuum breaking only with vacuum break air, the 3-port specification (VXPT type) allows atmosphere to flow into the vacuum circuit when the main valve turns OFF, enabling vacuum breaking by atmospheric pressure + vacuum break air.



### 2 types of pressure switches available (with easy-to-see LED display, inexpensive analog output only)

### Two fixing methods available, allowing selection according to the application.

Direct mount type fixed by screws, etc., from the side, and DIN rail mounting type available.

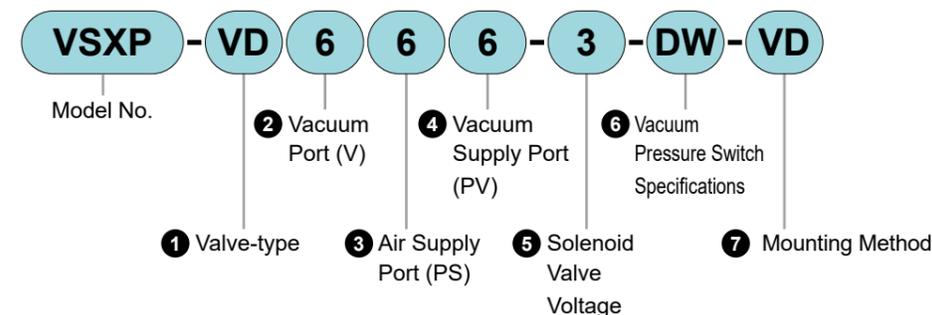
### Manifold type also available (max. 10 stations)

### Compliant with Global Standards



Model No. Notation

●10.5 mm width integrated vacuum switching unit single unit



#### 1 Valve-type

Code	Content
D	2-Way Valve Specification
T	3-Way Valve Specification

#### 2 Vacuum Port (V)

Code	Content
4	ø4 Push-in fitting
6	ø6 Push-in fitting

#### 3 Air Supply Port (PS)

Code	Content
4	ø4 Push-in fitting
6	ø6 Push-in fitting

#### 4 Vacuum Supply Port (PV)

Code	Content
4	ø4 Push-in fitting
6	ø6 Push-in fitting

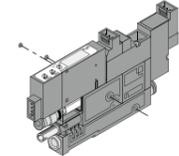
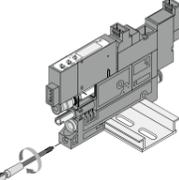
#### 5 Solenoid Valve Voltage

Code	Content
1	100 VAC
3	24 VDC

#### 6 Vacuum Pressure Switch Specifications

Code	Content
Blank	Without Vacuum Pressure Switch
DW	NPN Output 2 points with Digital Display
DA	NPN Output 1 point + Analog Output with Digital Display
AO	Analog Output

#### 7 Mounting Method

Code	Content
Blank	Direct Mount Type 
D	DIN Rail Mounting Type 

Vacuum Components  
Vacuum Pump System

VSJP/  
VSJPM

VSNP/  
VSNPM

VSXP/  
VSXPM

VSQP

VSZPM

Vacuum Components  
Vacuum Pump System

VSJP/  
VSJPM

VSNP/  
VSNPM

VSXP/  
VSXPM

VSQP

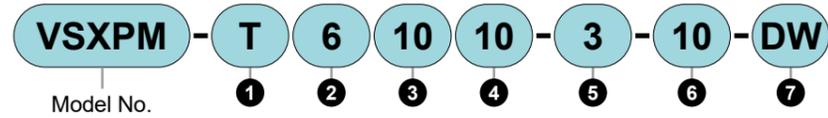
VSZPM

Ending

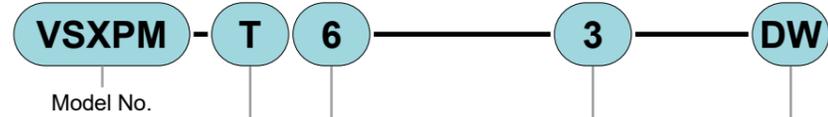
Ending

model No. Indication Method(Manifold Type)

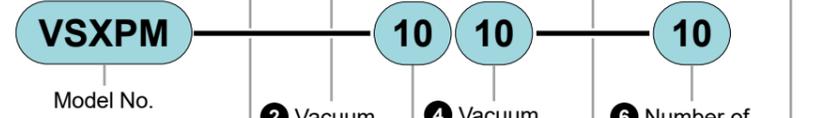
●10.5 mm width integrated vacuum switching unit manifold



●10.5 mm width integrated vacuum switching unit manifold single unit



●10.5 mm width integrated vacuum switching unit manifold only



- 1 Valve-type
- 2 Vacuum Port (V)
- 3 Air Supply Port (PS)
- 4 Vacuum Supply Port (PV)
- 5 Solenoid Valve Voltage
- 6 Number of Manifold Stations
- 7 Vacuum Pressure Switch Specifications

1 Valve-type

Code	Content
D	2-Way Valve Specification
T	3-Way Valve Specification
Z	For Mixed Specifications (Provide details in the specification sheet)

\*1: For mixed specifications, see P. 380, 381. Be sure to fill in the "mix manifold specifications sheet".  
\*2: For manifold single unit, "Z" cannot be selected.  
\*3: For manifold only, valve-type cannot be selected.

2 Vacuum Port (V)

Code	Content
4	ø4 Push-in fitting
6	ø6 Push-in fitting
CX	For Fitting Mix (Provide details in the specification sheet)

\*1: For mixed specifications, see P. 380, 381. Be sure to fill in the "mix manifold specifications sheet".  
\*2: For manifold single unit, "CX" cannot be selected.  
\*3: For manifold only, vacuum port cannot be selected.

3 Air Supply Port (PS)

Code	Content
4	ø4 Push-in fitting
6	ø6 Push-in fitting
8	ø8 Push-in fitting
10	ø10 Push-in fitting

\*: For manifold single unit, air supply port cannot be selected.

4 Vacuum Supply Port (PV)

Code	Content
4	ø4 Push-in fitting
6	ø6 Push-in fitting
8	ø8 Push-in fitting
10	ø10 Push-in fitting

\*: For manifold single unit, vacuum supply port cannot be selected.

5 Solenoid Valve Voltage

Code	Content
1	100 VAC
3	24 VDC

\*: For the 'Manifold Only' option, the solenoid valve voltage cannot be selected.

6 Number of Manifold Stations

Code	Content
2	2 stations
to	to
10	10 stations

\*: For manifold single unit, the number of manifold stations cannot be selected.

Rechargeable Battery Compatible Specification (Catalog No. CC-1226AA)

Food Manufacturing Process Compatible Specification (Catalog No. CC-1271AA)

●Design compatible with rechargeable battery manufacturing process

VSXP - ..... - P4\*

VSXPM - ..... - P4\*

\*Please inquire for details.

●Uses food-grade lubricant and Food Sanitation Act compliant resin/ rubber materials suitable for food manufacturing processes.

VSXP - ..... - FP\*

7 Vacuum Pressure Switch Specifications

Code	Content
Blank	Without Vacuum Pressure Switch
DW	NPN Output 2 points with Digital Display
DA	NPN Output 1 point + Analog Output with Digital Display
AO	Analog Output
Z	For Mixed Specifications (Provide details in the specification sheet)

\*1: For mixed specifications, see P. 380, 381. Be sure to fill in the "mix manifold specifications sheet".

\*2: For manifold single unit, "Z" cannot be selected.

\*3: For manifold only, vacuum pressure switch specifications cannot be selected.

Maintenance Part Model No.

\*For details of the maintenance parts, P. 378.

●Filter Element

VSX - E

Model No.

●Filter Element for Valve

VSXP - E

Model No.

**Specifications**

Item	VSXP
Operating Fluid	Air
Operating Pressure MPa	0.3 to 0.7
Ambient Temperature/ Fluid Temperature (°C)	5 to 50
Vacuum pressure kPa	-100 to 0

**Solenoid Valve Specifications**

●Pilot Valve

Item	Vacuum Supply Valve		Vacuum Breaking Valve	
	24 VDC	100 VAC	24 VDC	100 VAC
ValvE-type and Operation Method	Direct acting poppet valve			
Rated Voltage V	24 VDC	100 VAC	24 VDC	100 VAC
Voltage Fluctuation Range V	DC 24 ±10%	AC 100 ±10%	DC 24 ±10%	AC 100 ±10%
Surge Suppressor	Varistor	Bridge Diode	Varistor	Bridge Diode
Power Consumption	1.2 W (with LED)	1.5 VA (with LED)	1.2 W (with LED)	1.5 VA (with LED)
Manual Operation	Non-locking push-type			
Operation Indicator	When coil is energized: Red LED lights up			
Wiring Method	Connector type: 500 mm			
	Red: 24 VDC Black: COM	Blue	Red: 24 VDC Black: COM	Blue

●Switching valve 2-way valve specifications VSXP-D

Item	Vacuum Supply Valve
ValvE-type and Operation Method	Direct acting poppet valve
Proof Pressure MPa	1.05
Valve Type	Normally Closed
Lubrication	Not required
Effective Area (mm <sup>2</sup> )	Air Supply Port Size ø4: 3.5
	Air Supply Port Size ø6: 4.5

●Switching valve 3-way valve specifications VSXP-T

Item	Vacuum Generation Valve
ValvE-type and Operation Method	Direct acting poppet valve
Proof Pressure MPa	1.05
Valve Type	Normally Closed
Lubrication	Not required
Effective Area (mm <sup>2</sup> )	Vacuum Supply Port Size ø4: 3.0
	Vacuum Supply Port Size ø6: 3.6

**Vacuum Pressure Switch Specifications**

Item	With Digital Display Type		Without Display Type
	With 2-point Switch Output (-DW)	With Analog Output (-DA)	Analog Output Only (-A0)
Shipment defaultPressure kPa	-50 (SW1), -10 (SW2)	-50	-
Current ConsumptionMA	≤ 40		* 15
Pressure Sensing Element	Diffused Semiconductor Pressure Switch		
Operating Pressure kPa	-100 to 0		
Set Pressure kPa	-99 to 0		-
Proof pressureForceMPa	0.2		
Storage temperature °C	-20 to 80 (Atmospheric pressure, ≤ 60% RH humidity)		
Operating temperature°C	0 to 50 (However, no freezing)		
Operating Humidity	35 to 85% RH (However, no condensation)		
Power Supply Voltage V	DC 12 to 24 ±10% Ripple (P-P) ≤ 10%		
Protection Structure	Equivalent to IEC Standard IP40		
Number of Output Points	2	1	-
Repeatability	±3% F.S. max.(at Ta = 25°C)		
Differential	Fixed (≤ 2% F.S.)	Variable (Approx. 0 to 15% F.S.)	-
Switch Output	NPN Transistor Open Collector Output ≤ 30 V 80 mA Residual Voltage ≤ 0.8 V		
Analog Output	Output VoltageV	-	1 to 5
	Zero point voltageV	-	1±0.1
	Span voltageV	-	4±0.1
	Output currentMA	-	≤ 1 (Load resistance ≥ 5 kΩ)
	Linearity/Hysteresis	-	±0.5% F.S. max.
Display kPa	-99 to 0 (2-digit Red LED display)		-
Display Update Rate	Approx. 4 times/1 second		
Display Accuracy	±3% F.S. ±2 digit		
Resolution	1 digit		
Operation Indicator	SW1: Red LED lights up at or above set pressure	Red LED lights up at or above set pressure	
	SW2: Green LED lights up at or above set pressure	pressure	
Functions	1. MODE Switch (ME or S1 or S2)	1. MODE Switch (ME or SW)	
	2. S1 Setting Trimmer (2/3 turn trimmer)	2. SW Setting Trimmer (2/3 turn trimmer)	
	3. S2 Setting Trimmer (2/3 turn trimmer)	3. HYS Setting Trimmer (Approx. 0 to 15% F.S.)	

**Vacuum Breaking Function Specifications**

●2-way valve specifications VSXP-D

Valve Type	Break Air Flow Rate L/min (ANR)
Normally Closed	0 to 11.0

\*1: Value at 0.5 MPa supply pressure.

\*2: Break air flow rate varies depending on the diameter and length(piping resistance, etc.) of the vacuum side piping.

●3-way valve specifications VSXP-T

Valve Type	Break Air Flow Rate L/min (ANR)
Normally Closed	0 to 7.5

\*1: Value at 0.5 MPa supply pressure.

\*2: Break air flow rate varies depending on the diameter and length(piping resistance, etc.) of the vacuum side piping.

**Vacuum Filter Specifications**

Item	Vacuum Filter
Element Material	Polyvinyl formal
Filtration Rating μm	10
Filtration area mm <sup>2</sup>	502

Vacuum Components

Vacuum Pump System

VSJP/  
VSJPM

VSNP/  
VSNPM

VSXP/  
VSXPM

VSQP

VSZPM

Vacuum Components

Vacuum Pump System

VSJP/  
VSJPM

VSNP/  
VSNPM

VSXP/  
VSXPM

VSQP

VSZPM

## Weight Table

### ●Single Unit Type

Model No.	Unit Contents	Weight (g)
VSXP-D□□□□-D□	Vacuum Switching Unit 2-Way Valve Specification(Vacuum Pressure Switch with Digital Display)	85
VSXP-D□□□□-A0	Vacuum Switching Unit 2-Way Valve Specification(Vacuum Pressure Switch with Analog Output)	82
VSXP-D□□□□	Vacuum Switching Unit 2-Way Valve Specification(Without Vacuum Pressure Switch)	75
VSXP-T□□□□-D□	Vacuum Switching Unit 3-Way Valve Specification(Vacuum Pressure Switch with Digital Display)	88
VSXP-T□□□□-A0	Vacuum Switching Unit 3-Way Valve Specification(Vacuum Pressure Switch with Analog Output)	85
VSXP-T□□□□	Vacuum Switching Unit 3-Way Valve Specification(Without Vacuum Pressure Switch)	78

\*1: DIN rail mounting type is approx. 5 g heavier than the Weightes listed above.

### ●Manifold Type

Model No.	Manifold Mounted Unit Contents	Weight (g)
VSXPM-D□□□□-D□-2	Vacuum Switching Unit 2-Way Valve Specification with Digital Display Vacuum Sensor, 2-Station Manifold	340
VSXPM-T□□□□-D□-2	Vacuum Switching Unit 3-Way Valve Specification with Digital Display Vacuum Sensor, 2-Station Manifold	350

\*1: Weight increases by 95 g for each additional station.

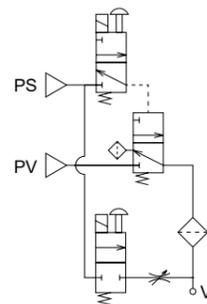
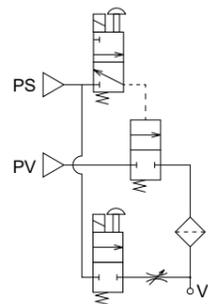
\*1: Weight increases by 100 g for each additional station.

\*2: The Weightes listed above are for the type equipped with a vacuum pressure switch with LED display. Types equipped with analog output vacuum pressure switch(no display vacuum pressure switch) are 3 g/station lighter than the above Weight, and types without vacuum pressure switch are 10 g/station lighter, respectively.

## Circuit Diagram

### ●Normally closed 2-way valve specification

### ●Normally closed 3-way valve specification



MEMO

Vacuum Components

Vacuum Pump System

VSJP/VSJPM

VSNP/VSNPM

VSXP/VSXPM

VSQP

VSZPM

Ending

Vacuum Components

Vacuum Pump System

VSJP/VSJPM

VSNP/VSNPM

VSXP/VSXPM

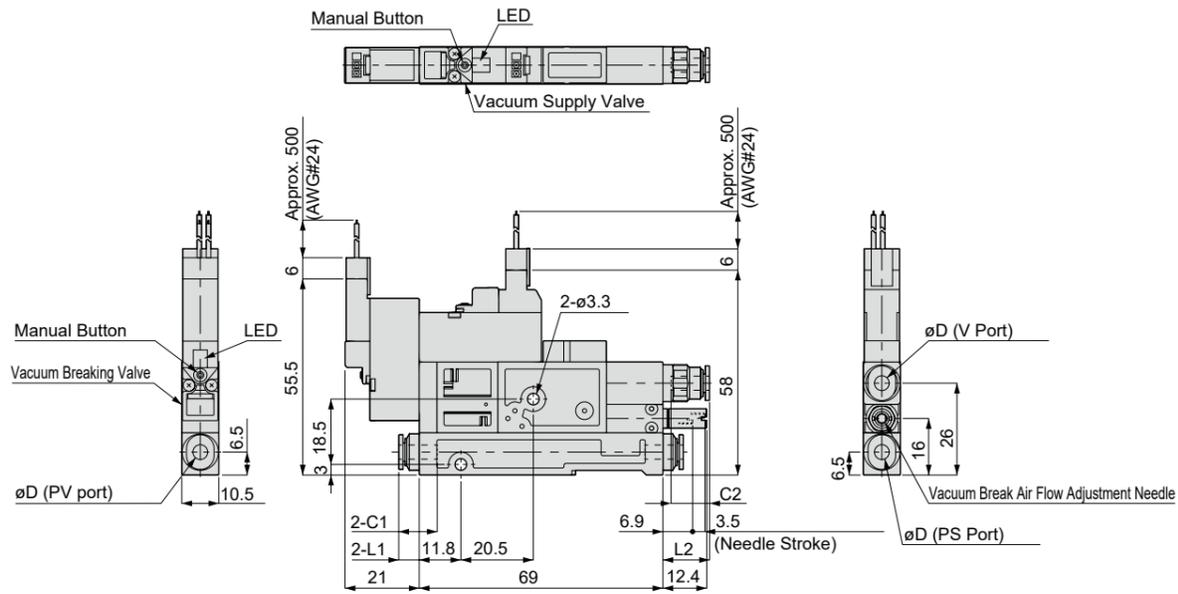
VSQP

VSZPM

Ending

Outline Dimension Drawing (Single Unit Type, 2-Way Valve Specification Without Vacuum Pressure Switch)

● Direct Mount Type



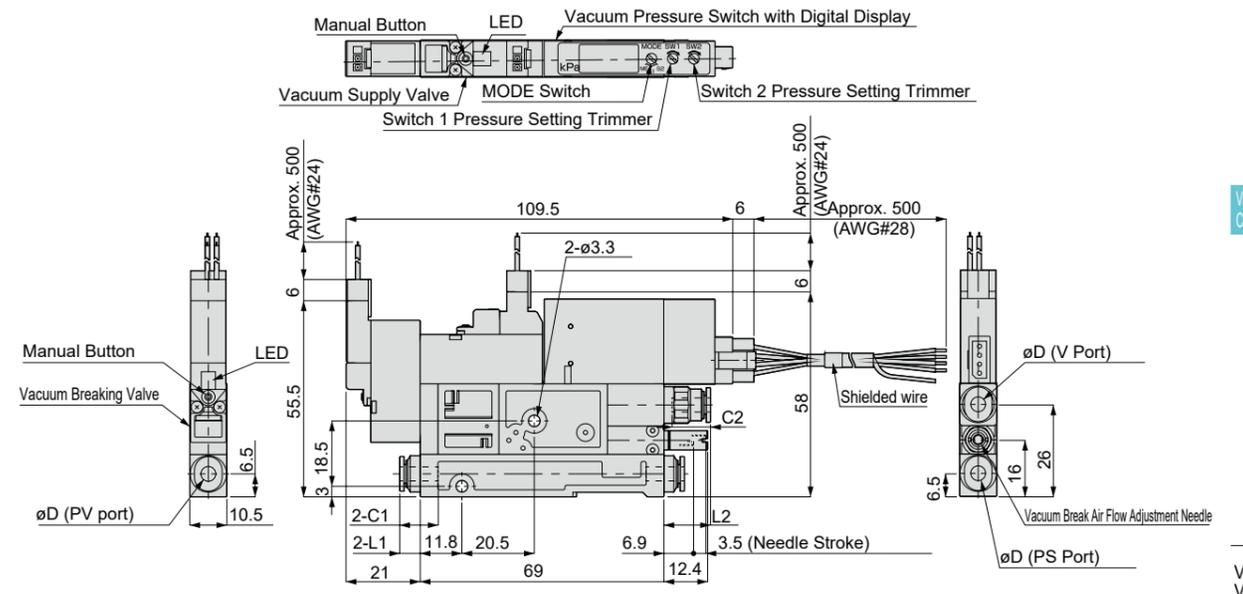
Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-D□□□□□	4	11.2	11.2	6.1	13.5
	6	11.9	11.9	8.9	13.7

External Dimension Drawings

Outline Dimension Drawing (Single Unit Type, 2-Way Valve Specification, With Vacuum Pressure Switch with Digital Display and 2-point Switch Output)

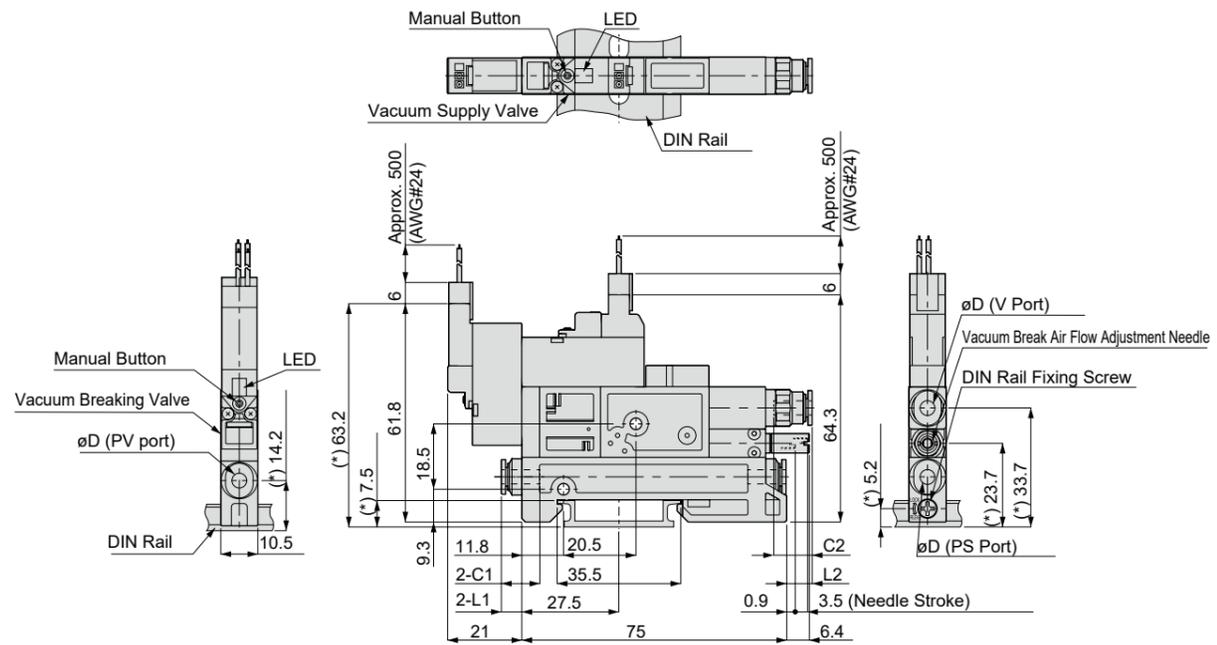
● Direct Mount Type



Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-D□□□□□-DW	4	11.2	11.2	6.1	13.5
	6	11.9	11.9	8.9	13.7

● DIN Rail Mounting Type

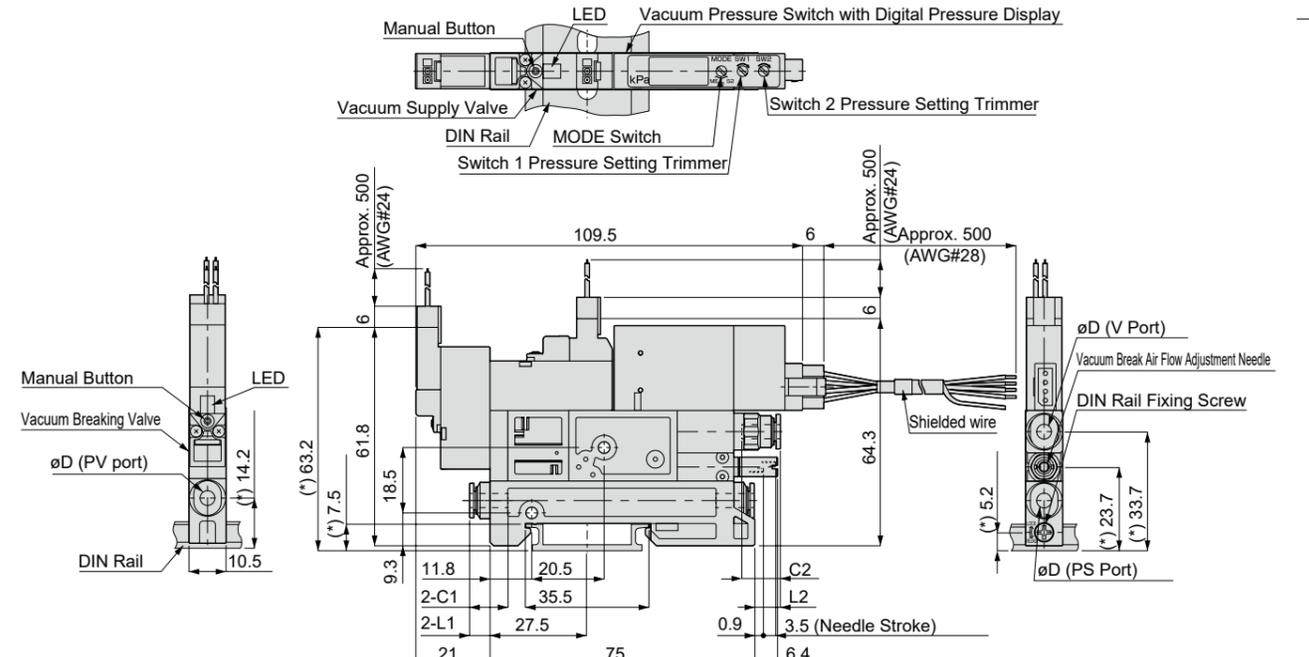


Note(\*) Dimensions of the printed part are for the DIN rail height: Value when 7.5 mm.

Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-D□□□□□-D	4	11.2	11.2	6.1	7.5
	6	11.9	11.9	8.9	7.7

● DIN Rail Mounting Type



Note(\*) Dimensions of the printed part are for the DIN rail height: Value when 7.5 mm.

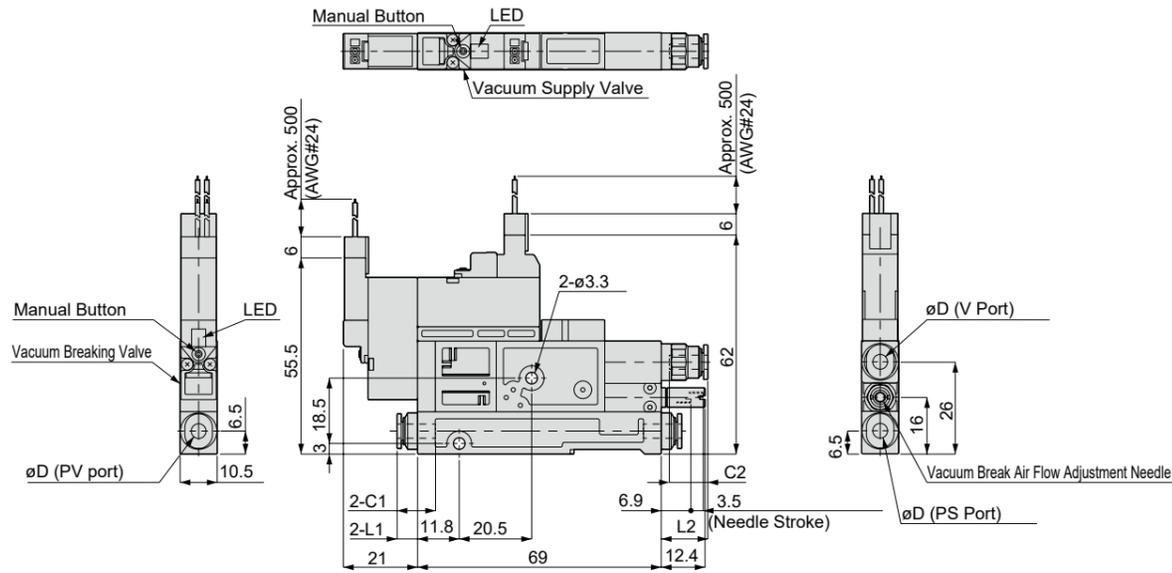
Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-D□□□□□-DW-D	4	11.2	11.2	6.1	7.5
	6	11.9	11.9	8.9	7.7



Outline Dimension Drawing (Single Unit Type, 3-Way Valve Specification Without Vacuum Pressure Switch)

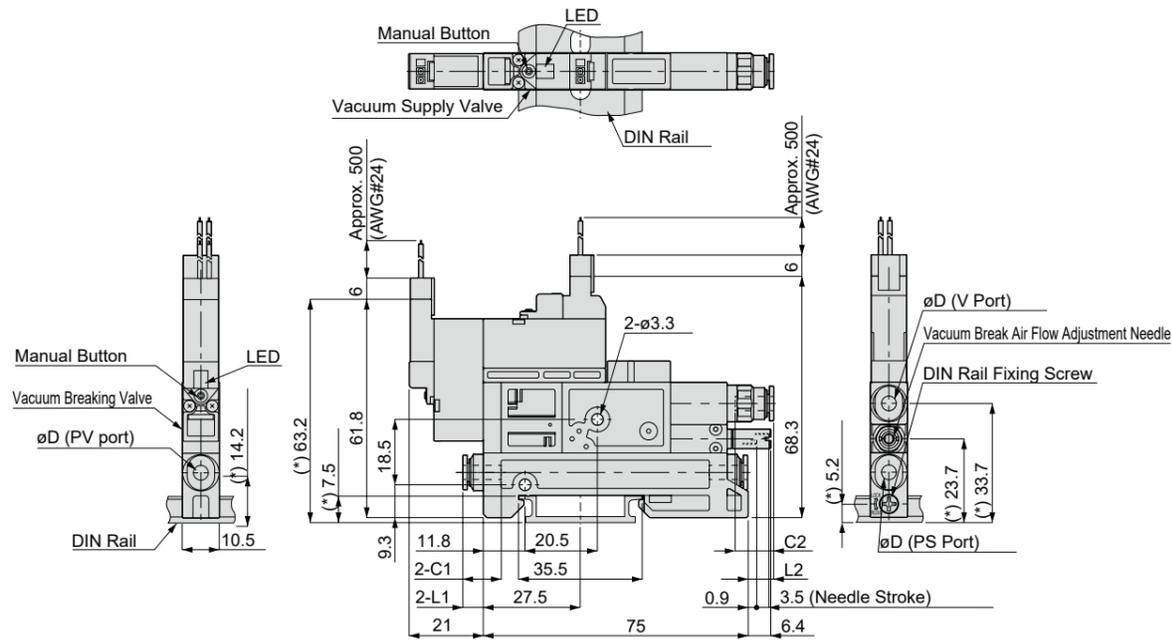
● Direct Mount Type



Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-T□□□-□	4	11.2	11.2	6.1	13.5
	6	11.9	11.9	8.9	13.7

● DIN Rail Mounting Type



Note)(\*) Dimensions of the printed part are for the DIN rail height: Value when 7.5 mm.

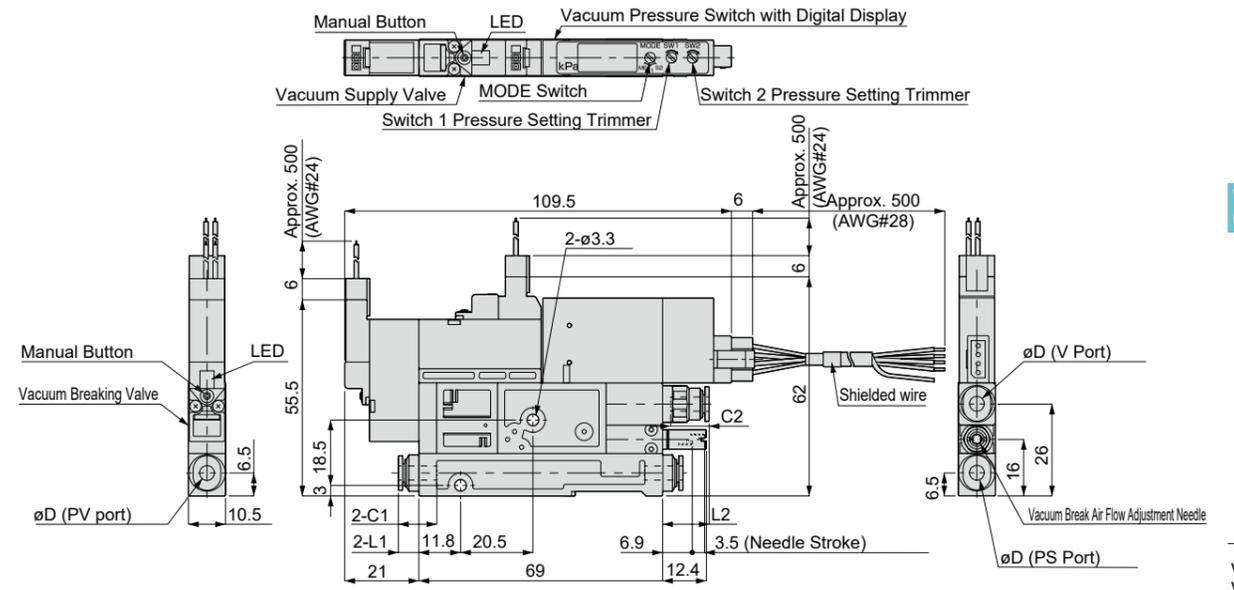
Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-T□□□-□-D	4	11.2	11.2	6.1	7.5
	6	11.9	11.9	8.9	7.7

External Dimension Drawings

Outline Dimension Drawing (Single Unit Type, 3-Way Valve Specification With Vacuum Pressure Switch with Digital Display and 2-point Switch Output)

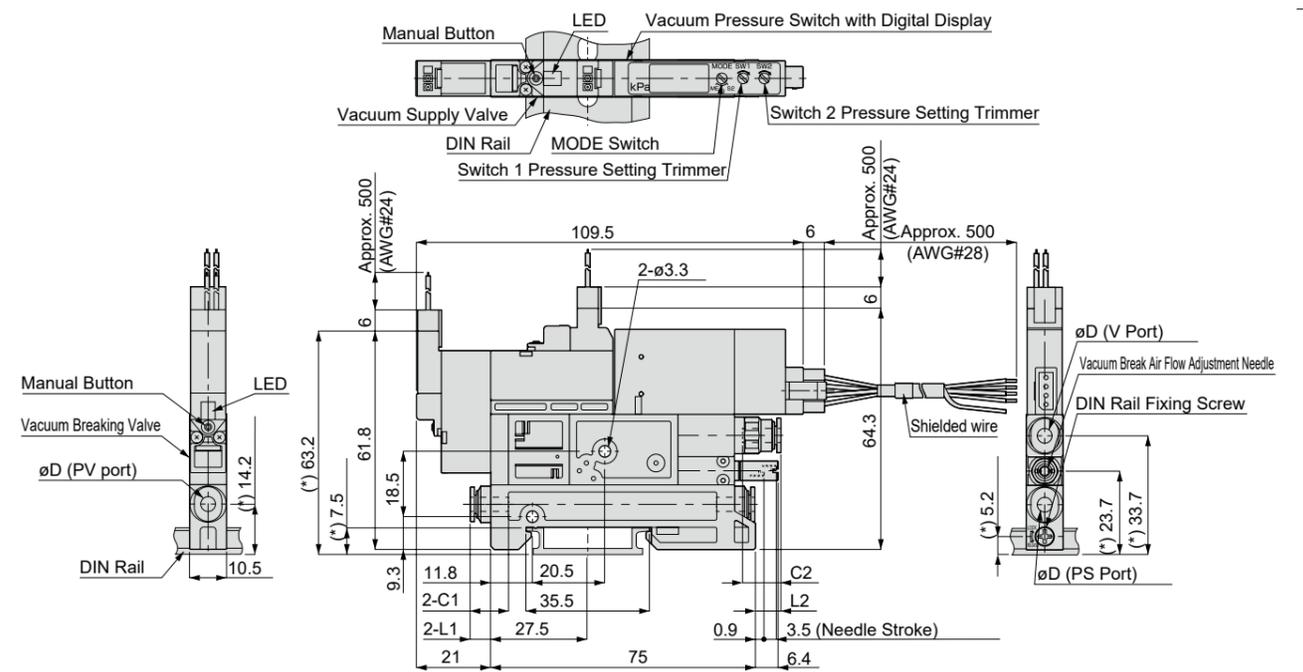
● Direct Mount Type



Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-T□□□-□-DW	4	11.2	11.2	6.1	13.5
	6	11.9	11.9	8.9	13.7

● DIN Rail Mounting Type

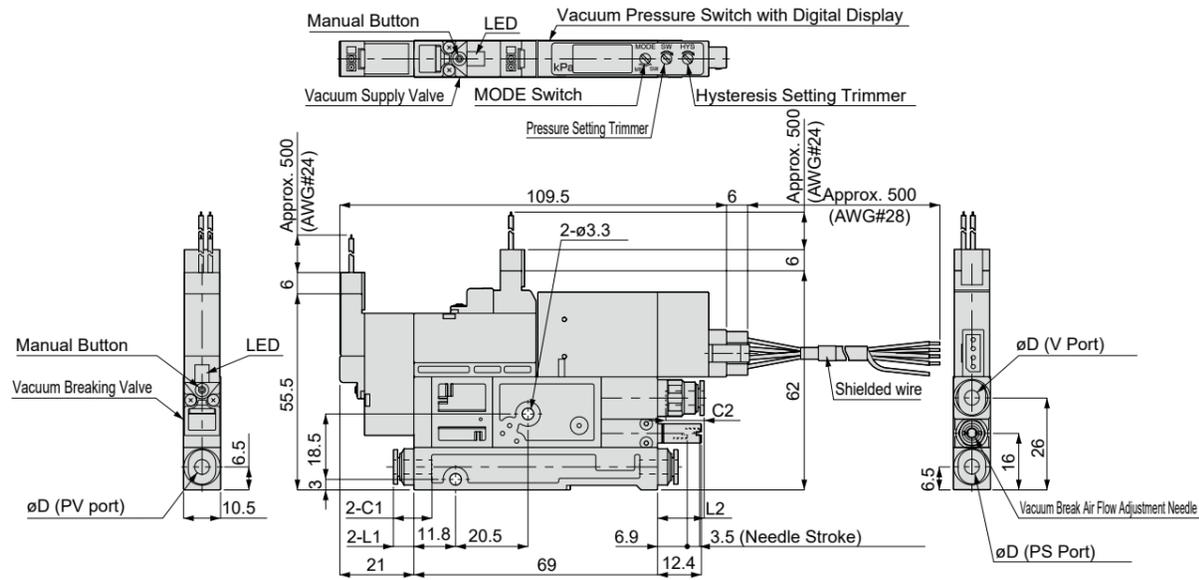


Note)(\*) Dimensions of the printed part are for the DIN rail height: Value when 7.5 mm.

Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-T□□□-□-DW-D	4	11.2	11.2	6.1	7.5
	6	11.9	11.9	8.9	7.7

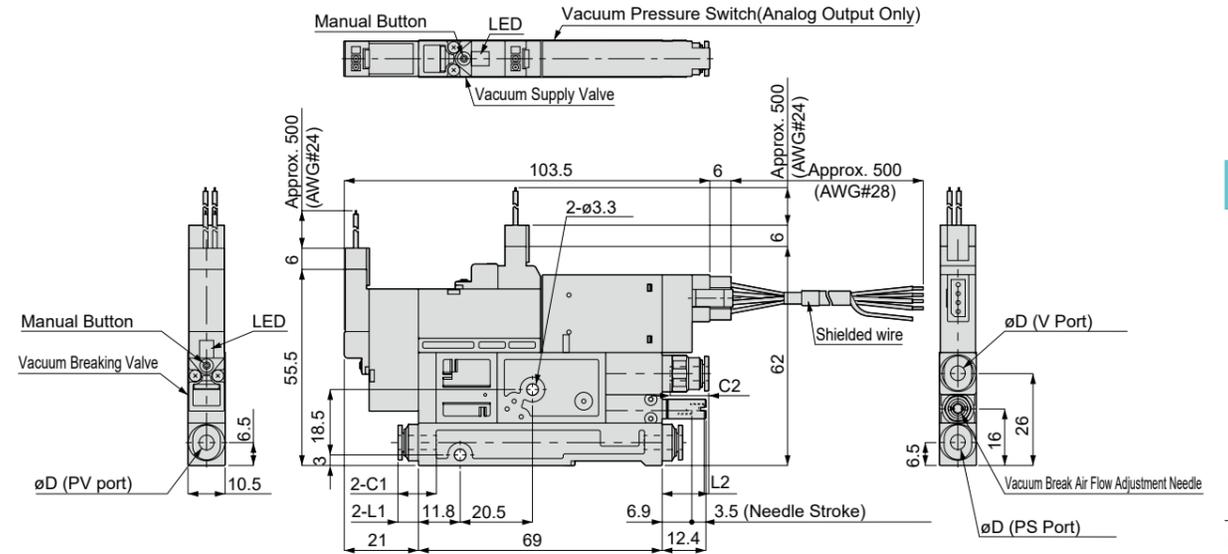
● Direct Mount Type



Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-T□□□-□-DA	4	11.2	11.2	6.1	13.5
	6	11.9	11.9	8.9	13.7

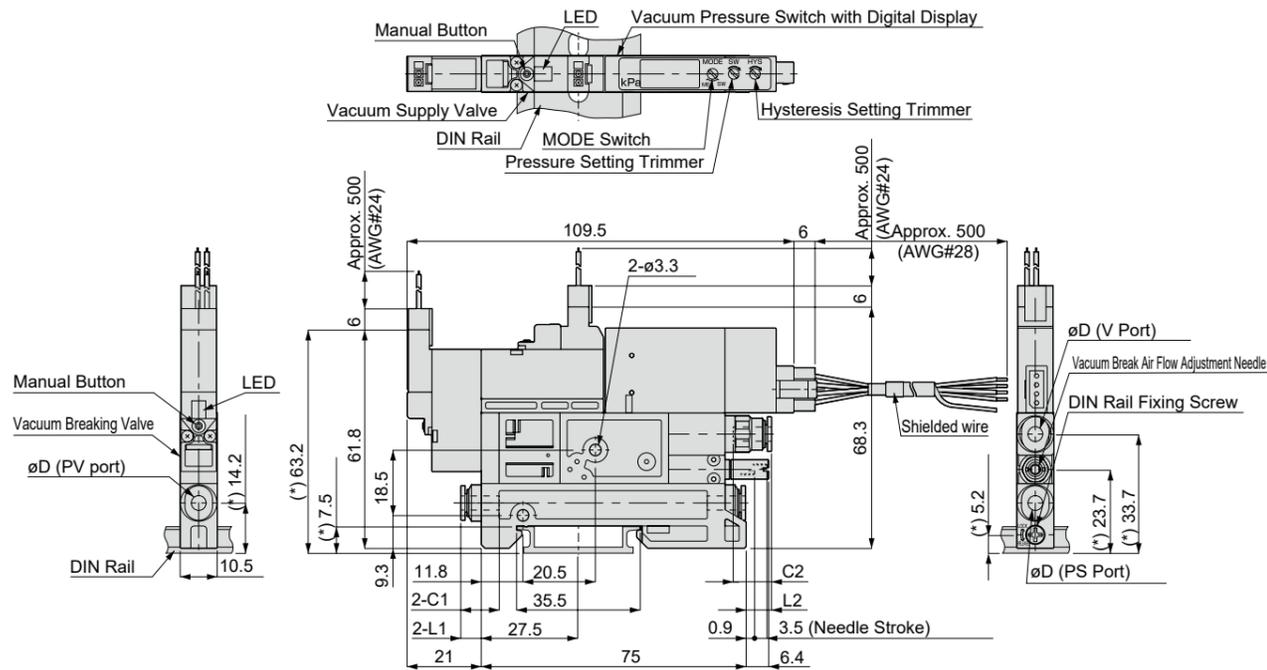
● Direct Mount Type



Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-T□□□-□-A0	4	11.2	11.2	6.1	13.5
	6	11.9	11.9	8.9	13.7

● DIN Rail Mounting Type

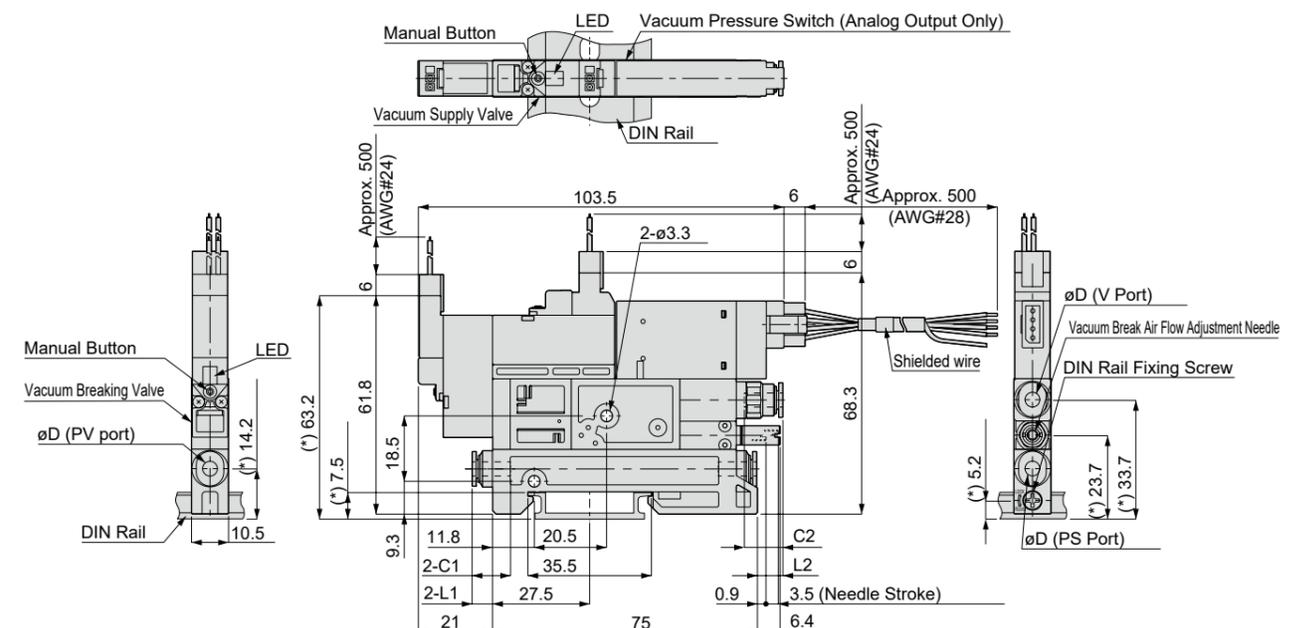


Note(\*) Dimensions of the printed part are for the DIN rail height: Value when 7.5 mm.

Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-T□□□-□-DA-D	4	11.2	11.2	6.1	7.5
	6	11.9	11.9	8.9	7.7

● DIN Rail Mounting Type



Note(\*) Dimensions of the printed part are for the DIN rail height: Value when 7.5 mm.

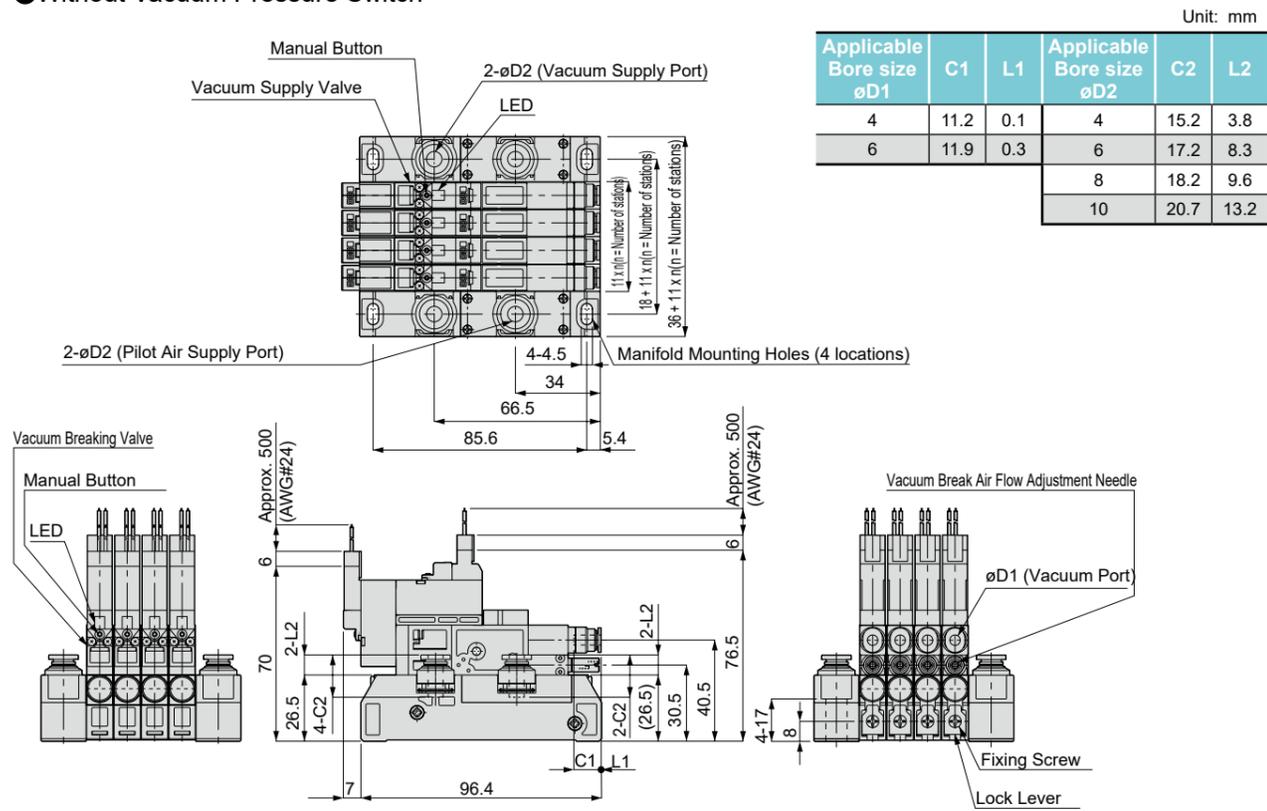
Unit: mm

Model No.	Applicable Bore size(øD)	C1	C2	L1	L2
VSXP-T□□□-□-A0-D	4	11.2	11.2	6.1	7.5
	6	11.9	11.9	8.9	7.7



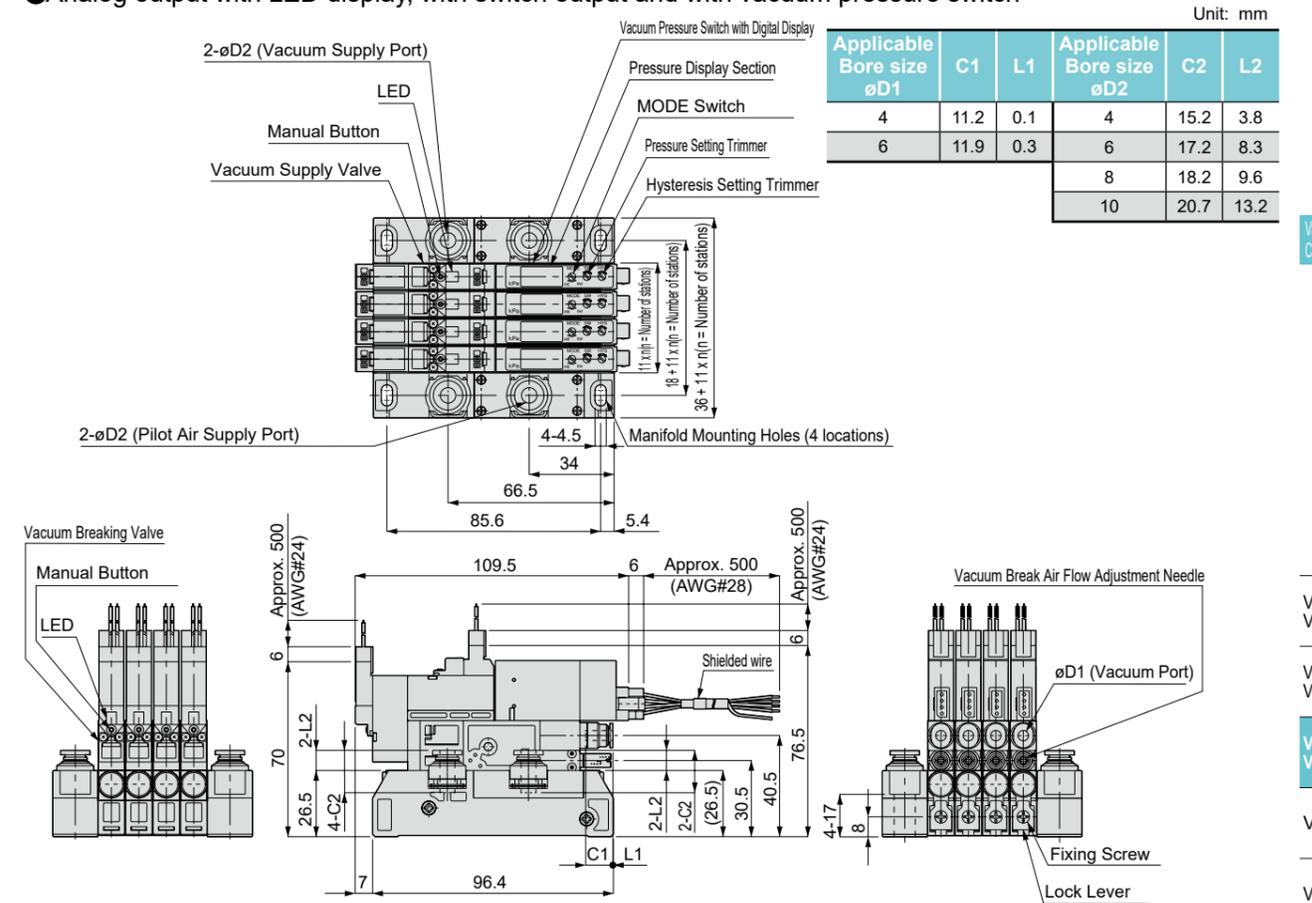
Outline Dimension Drawing (Manifold Type, 3-Way Valve Specification VSXPM-T)

●Without Vacuum Pressure Switch

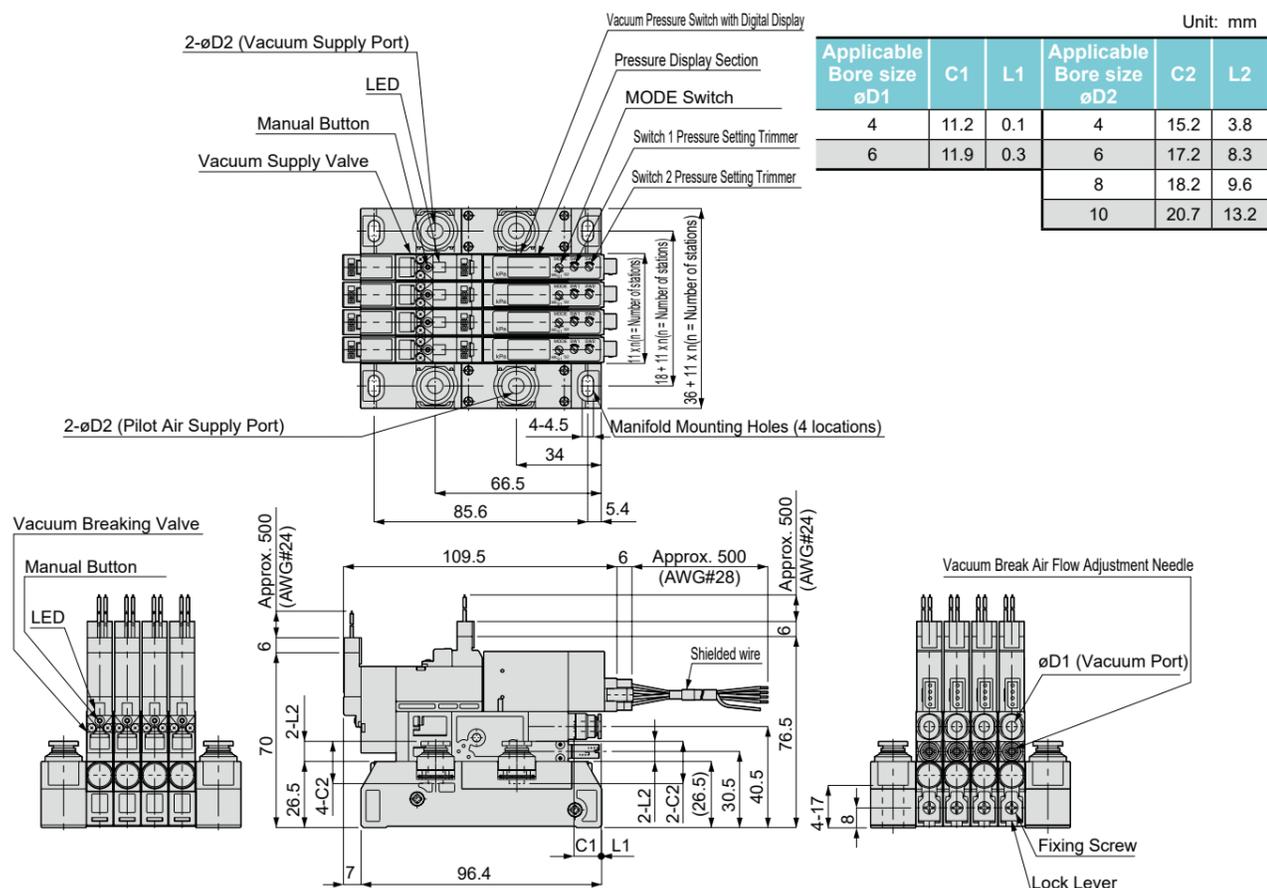


Outline Dimension Drawing (Manifold Type, 3-Way Valve Specification VSXPM-T)

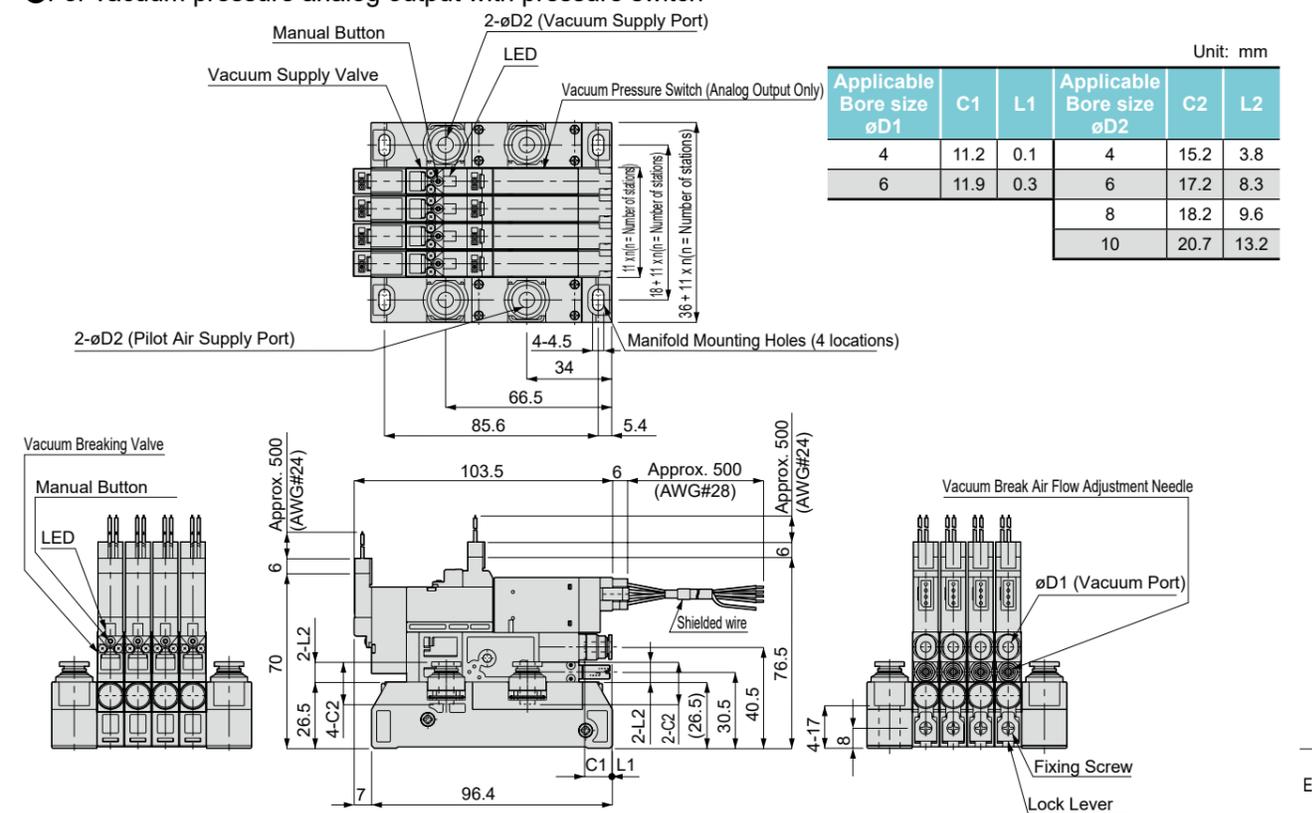
●Analog output with LED display, with switch output and with vacuum pressure switch



●With vacuum pressure switch, 2-point switch output and LED display



●For vacuum pressure analog output with pressure switch

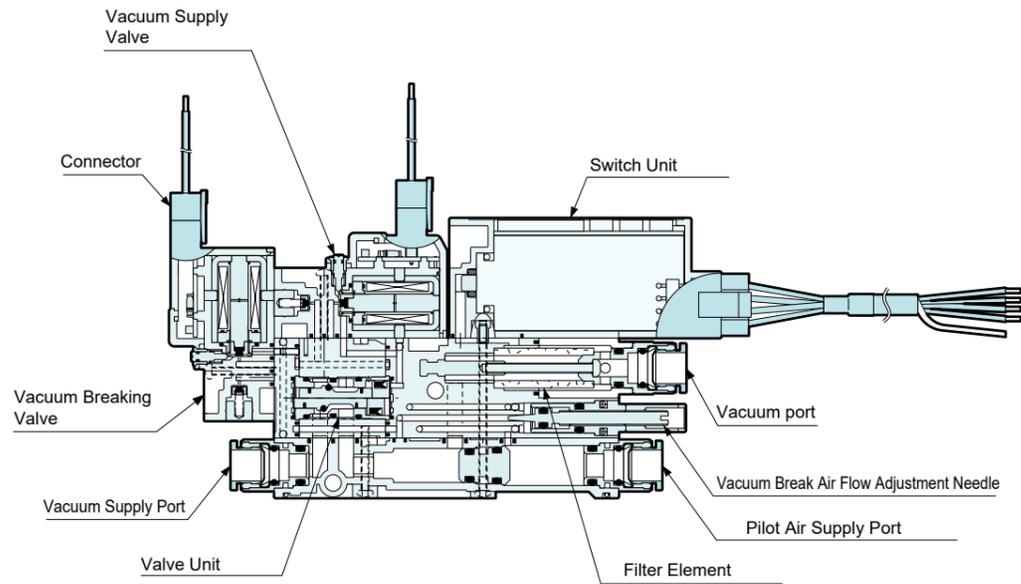


Internal Structure Diagram (Single Unit Type)

● 2-way valve specifications VSXP-D

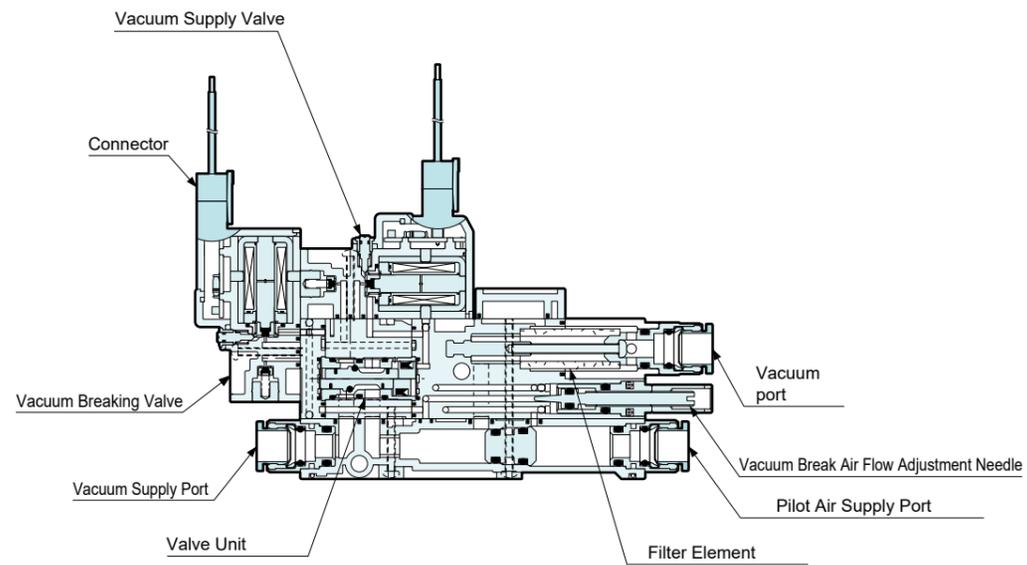
Ex.) VSXP-D□□□□□□

With Vacuum Pressure Switch-type



Ex.) VSXP-D□□□□□□

Without Vacuum Pressure Switch-type

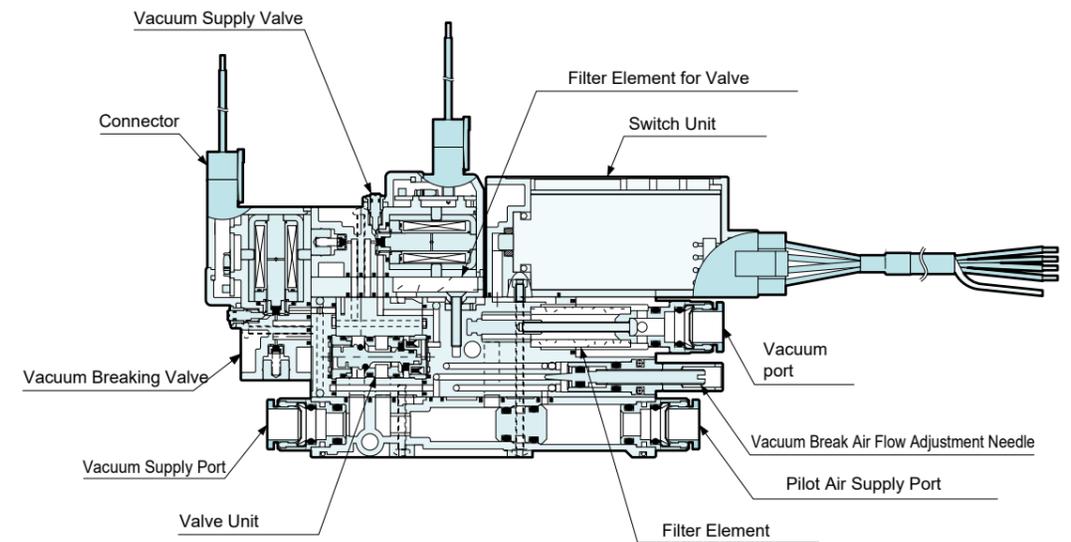


Internal Structure Diagram (Single Unit Type)

● 3-way valve specifications VSXP-T

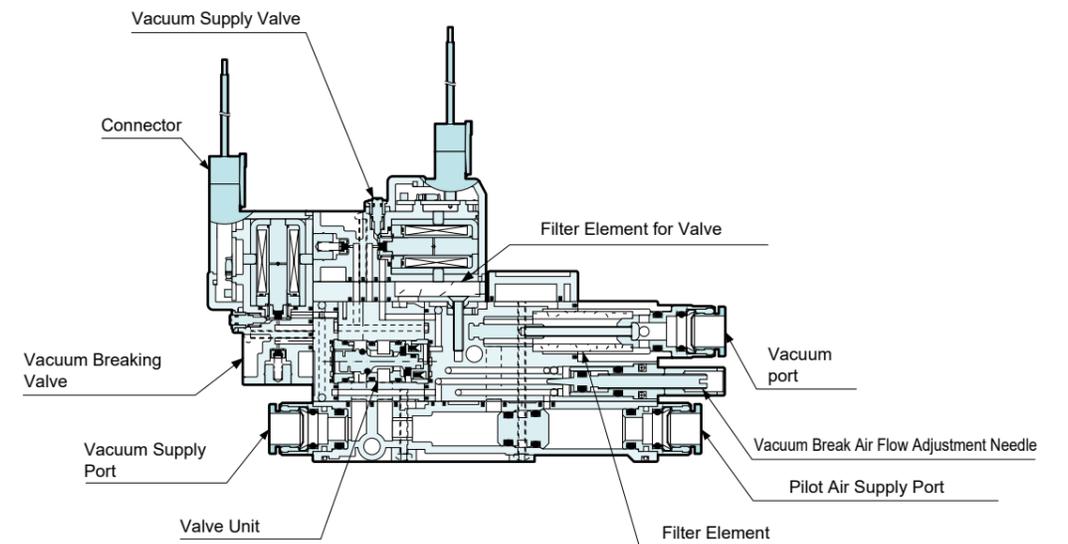
Ex.) VSXP-T□□□□□□

With Vacuum Pressure Switch-type



Ex.) VSXP-T□□□□□□

Without Vacuum Pressure Switch-type



Vacuum Components  
Vacuum Pump System

VSJP/  
VSJPM

VSNP/  
VSNPM

VSXP/  
VSXPM

VSQP

VSZPM

Vacuum Components  
Vacuum Pump System

VSJP/  
VSJPM

VSNP/  
VSNPM

VSXP/  
VSXPM

VSQP

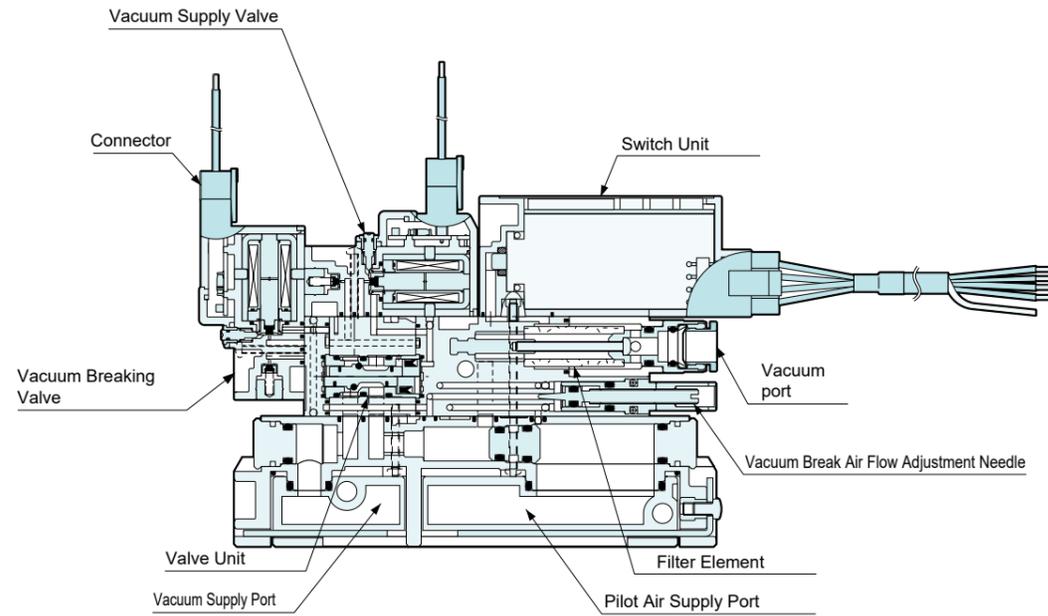
VSZPM

Internal Structure Diagram (Manifold Type)

● 2-way valve specifications VSXPM-D

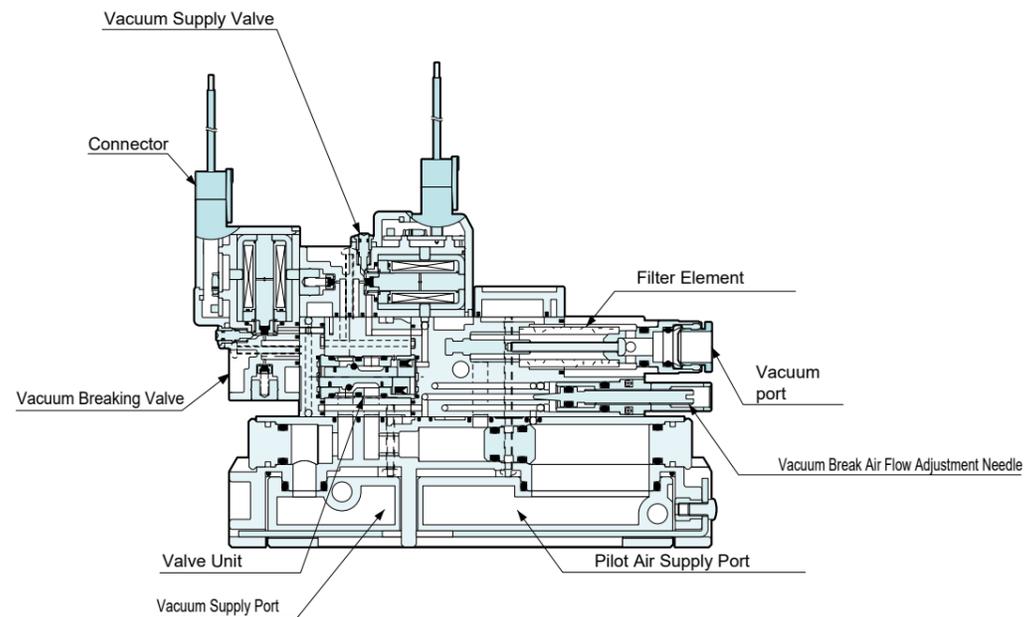
Ex.) VSXPM-D□□□□□□□□

With Vacuum Pressure Switch-type



Ex.) VSXPM-D□□□□□□□□

Without Vacuum Pressure Switch-type

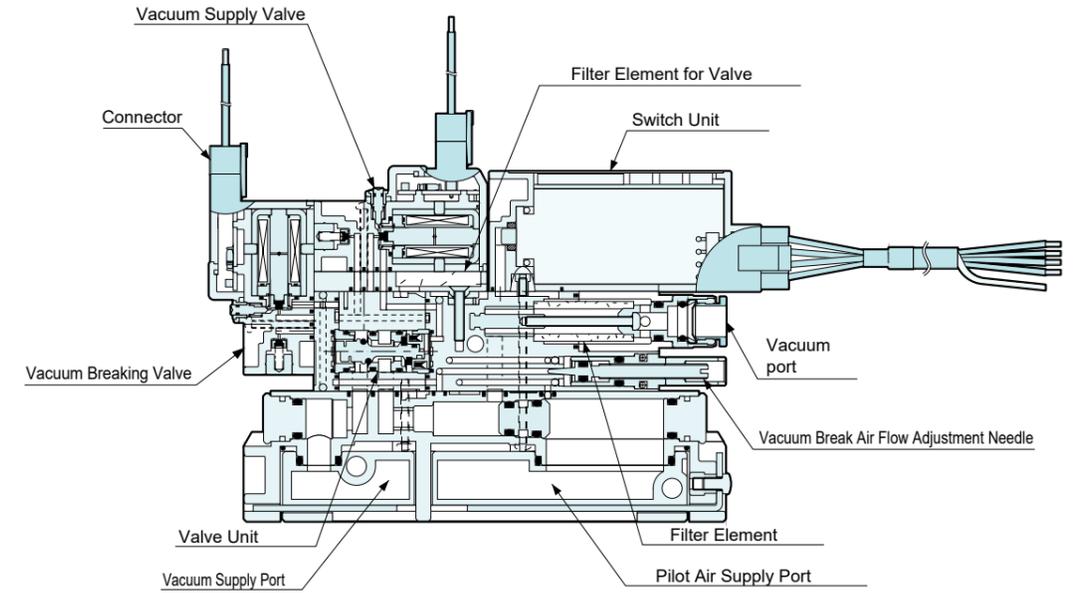


Internal Structure Diagram (Manifold Type)

● 3-way valve specifications VSXPM-T

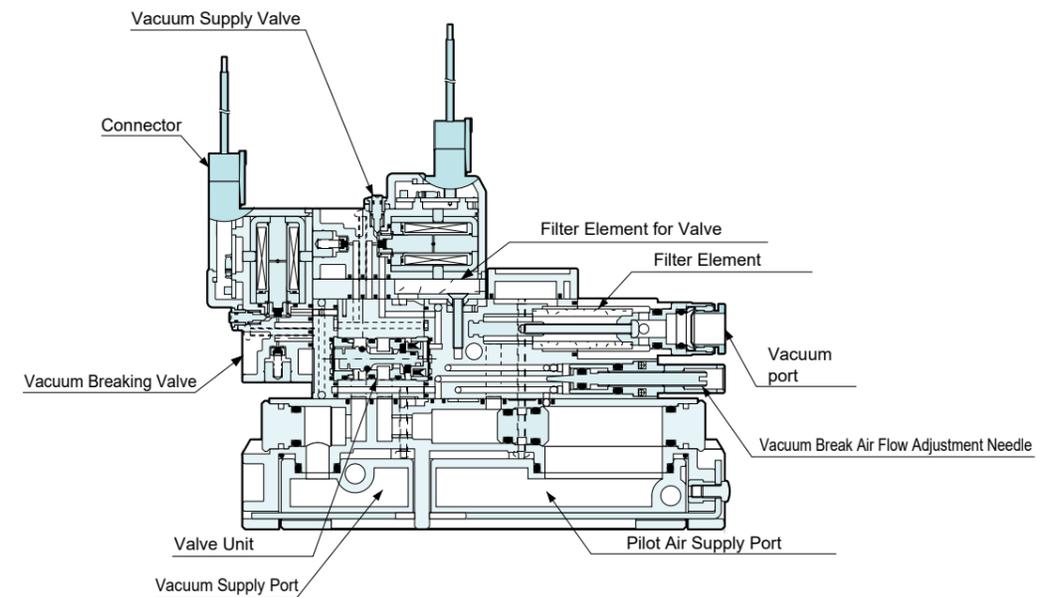
Ex.) VSXPM-T□□□□□□□□

With Vacuum Pressure Switch-type



Ex.) VSXPM-T□□□□□□□□

Without Vacuum Pressure Switch-type



Vacuum Components  
Vacuum Pump System

VSJP/  
VSJPM

VSNP/  
VSNPM

VSXP/  
VSXPM

VSQP

VSZPM

Vacuum Components  
Vacuum Pump System

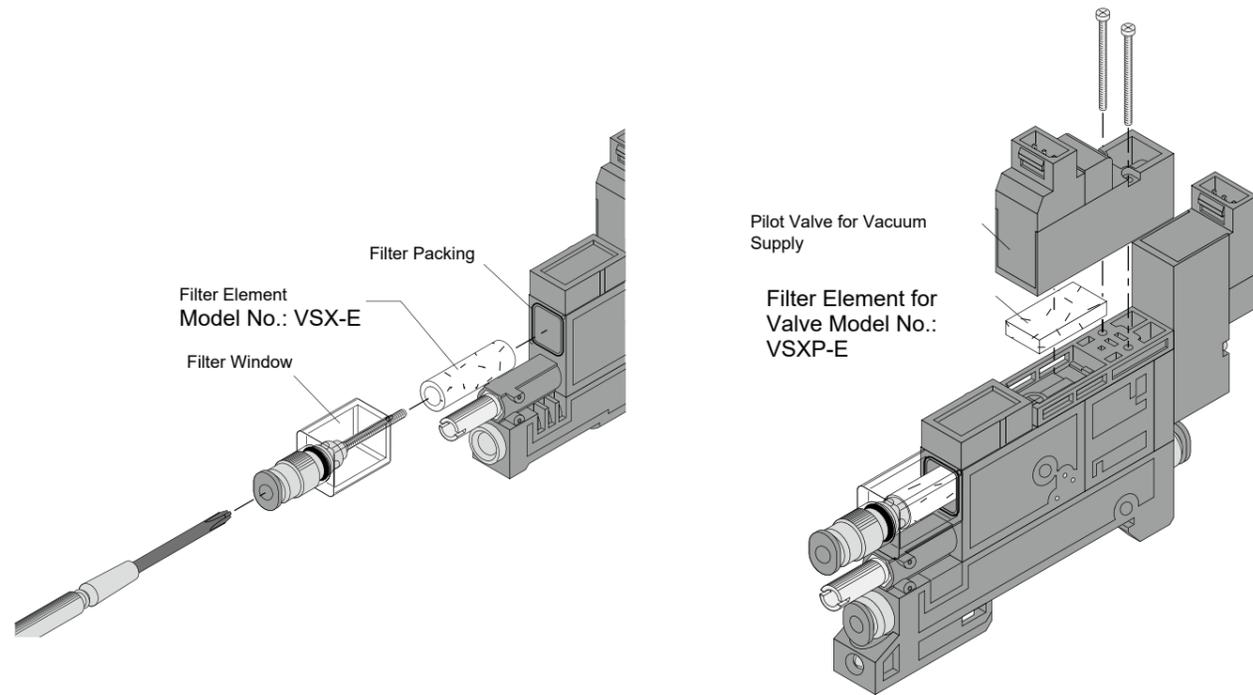
VSJP/  
VSJPM

VSNP/  
VSNPM

VSXP/  
VSXPM

VSQP

VSZPM



Pneumatic Components

**To Use This Product Safely**

Be sure to read this before use.

For general pneumatic components precautions, refer to Intro 15 for details.

Individual Precautions: 10.5 mm Width Integrated Type VSXP Series

**Design / Selection**

**Warning**

■The vacuum retention function of the vacuum pump system compatible 2-way valve specifications (VSXP-D) allows for leakage. Hence, take other safety measures if vacuum retention for long periods is required. Note that the 3-Way Valve Specification (VSXP-T type) does not have a vacuum holding function.

■When using the DIN rail, if vibration or impact may be applied to the product, use commercially available DIN rail fixing brackets on both sides for safety and install securely.

■When installing the unit in the manifold, insert the lock lever to the end and fix it securely with screws. Vibration may cause the lock lever to detach, potentially causing the unit to eject.

**Caution**

■Fittings When replacing the cartridge of the supply (PS, PV) port, remove the deposits from the seal and then securely insert the stop pin.

■Fittings When replacing the cartridge cartridge of the vacuum (V) port, remove the deposits on the seal part after checking that the window packing has not fallen off and securely fix the screws with the prescribed tightening torque.

■The vacuum pump system compatible 3-way valve specifications will break the vacuum with atmospheric pressure. Therefore, if a large amount of dust, dirt, etc., adheres to the filter element for the valve, the pressure loss of the filter element increases, potentially causing a delay in the vacuum break time. It is recommended to clean and replace the filter element for the valve frequently at appropriate times.

■When mounting the unit in the manifold, check that there is no fallout or protrusion of the O-ring of air supply (vacuum supply) and exhaust(air supply) ports.

For precautions regarding mounting, installation, adjustment, operation, and maintenance, please refer to the CKD Equipment Product Site(<https://www.ckd.co.jp/kiki/en/>) → 'model No.' → [Instruction Manual](#).

How to Create VSXPM Mixed Manifold Specification Sheet

● Mix manifold model No.(example)

VSXPM- <sup>1</sup> Z <sup>2</sup> CX <sup>3</sup> 6 <sup>4</sup> 8 - <sup>5</sup> 3 - <sup>6</sup> 5 - <sup>7</sup> Z

● Mix manifold specifications sheet(example)

Vacuum Switching Unit Model No. ① ② ⑤ ⑦	Arrangement Position										Quantity
	1	2	3	4	5	6	7	8	9	10	
VSXPM- D 4 - 3 - DW	○	○	○								3
VSXPM- D 4 - 3 - DA				○							1
VSXPM- T 6 - - DW					○						1
VSXPM- - - - -											
VSXPM- - - - -											

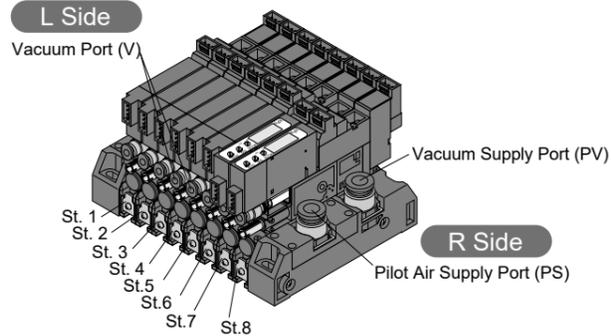
[For Fitting Mix Specification with Output Port Size Only]

● Mix manifold model No.(example)

VSXPM- <sup>1</sup> D <sup>2</sup> CX <sup>3</sup> 6 <sup>4</sup> 6 - <sup>5</sup> 3 - <sup>6</sup> 5 - <sup>7</sup> DW

● Mix manifold specifications sheet(example)

Vacuum Switching Unit Model No. ① ② ⑤ ⑦	Arrangement Position										Quantity
	1	2	3	4	5	6	7	8	9	10	
VSXPM- D 4 - 3 - DW	○	○	○								3
VSXPM- D 6 - 3 - DW				○							1
VSXPM- - - - -					○						1
VSXPM- - - - -											
VSXPM- - - - -											



[Notes for Filling Out]

- For piping position, place the vacuum port at the front and install sequentially from the left.
- In the Required Quantity column at the right end of the table, enter the total quantity of the specified product model No.s.

VSXPM Mixed Manifold Specification Sheet

Contact Person \_\_\_\_\_ Quantity Set \_\_\_\_\_ Delivery (Month/Day) \_\_\_\_\_

Voucher No. \_\_\_\_\_ Order Received No. \_\_\_\_\_

Date of Issue \_\_\_\_\_

Company \_\_\_\_\_

Attn: \_\_\_\_\_

Order No. \_\_\_\_\_

● Mix manifold model No.

VSXPM- <sup>1</sup> <sup>2</sup> <sup>3</sup> <sup>4</sup> - <sup>5</sup> - <sup>6</sup> - <sup>7</sup>

① Valve-type

Code	Content
D	2-Way Valve Specification
T	3-Way Valve Specification
Z	For mixed specifications (Provide details in the specification sheet)

② Vacuum Port (V)

Code	Content
4	ø4 Push-in fitting
6	ø6 Push-in fitting
CX	For fitting mix(Provide details in the specification sheet)

③ Air Supply Port (PS)

Code	Content
4	ø4 Push-in fitting
6	ø6 Push-in fitting
8	ø8 Push-in fitting
10	ø10 Push-in fitting

④ Vacuum Supply Port (PV)

Code	Content
4	ø4 Push-in fitting
6	ø6 Push-in fitting
8	ø8 Push-in fitting
10	ø10 Push-in fitting

⑤ Solenoid Valve Voltage

Code	Content
1	100 VAC
3	24 VDC

⑥ Number of Manifold Stations

Code	Content
2 to 10	2 stations to 12 stations

⑦ Vacuum Pressure Switch Specifications

Code	Content
Blank	Without Vacuum Pressure Switch
DW	NPN Output 2 points with Digital Display
DA	NPN Output 1 point + Analog Output with Digital Display
AO	Analog Output
Z	For mixed specifications (Provide details in the specification sheet)

● Mix manifold specifications sheet

Vacuum Switching Unit Model No. ① ② ⑤ ⑦	Arrangement Position										Quantity
	1	2	3	4	5	6	7	8	9	10	
VSXPM- - - - -											
VSXPM- - - - -											
VSXPM- - - - -											
VSXPM- - - - -											
VSXPM- - - - -											