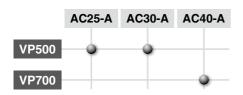
Modular Connection Type Residual Pressure Relief 3 Port Solenoid Valve

VP500/700 Series

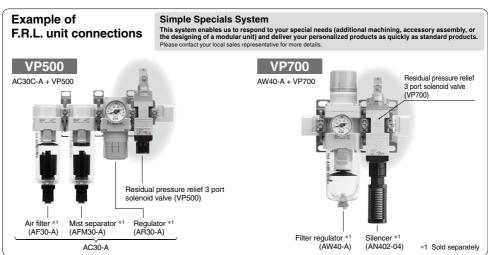
For connecting to F.R.L. units (AC-A Series)



Allows for space saving and reduced piping labor.

Power consumption: 0.35 W (Without light)





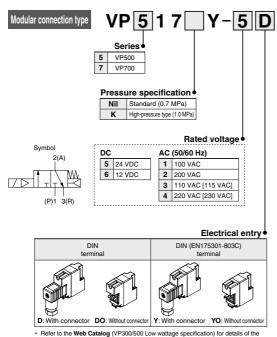
How to Order



Bracket

Nil





*1 Brackets are supplied loose, not assembled, at time of shipment. Includes 2 mounting screws.

Manual override

Without bracket

Flow direction

Left to right

Right to left

Nil: Non-locking push type (Manual) A: Non-locking push type (Manual) E: Push-turn locking type (Manual)

Light	Light/surge voltage suppressor					
Nil	Without light/surge voltage suppressor	0	0			
S	With surge voltage suppressor	0	_*1			
Z	With light/surge voltage suppressor	0	0			

- *1 For AC voltage valves there is no "S" option. It is already built into the rectifier circuit.

 In the DIN terminal type, since a light is installed in the connector, DOZ and YOZ are not variable.
- Caution

When using the surge voltage suppressor type, residual voltage will remain. For details, refer to the **Web Catalog** (VP300/500 Low wattage specification).

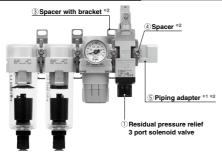
Simple Specials System

DIN terminal

For modular connection units (shipped assembled), the simple specials system can be used. Please contact your local sales representative for more details.

Ordered Separately Example

Products do not come assembled. They should be ordered separately and assembled by the customer.



② AC30-A
Air filter + Mist separator + Regulator
(AF30-A) (AFM30-A) (AR30-A)

- *1 Connection threads are not available for the residual pressure relief 3 port solenoid valve. Order a piping adapter separately.
- *2 Refer to page 1106 for details of the spacer and piping adapter.

 ① Residual pressure relief 3 port solenoid valve VP517Y-5DZ1...1 pc.

 ② Air combination AC30C-03DG
 1 pc.

 ③ Spacer with bracket Y300T-A
 1 pc.

 ④ Spacer Y300-A
 1 pc.

 ⑤ Piping adapter E300-03-A
 1 pc.

Applicable Combinations/Attachment Part Nos.

Residual pressure relief 3 port solenoid valve	Air combination	Spacer	Spacer with bracket	Piping adapter	Silencer
VP517	AC25□-A AC30□-A	Y300-A	Y300T-A	E300-□03-A	AN30-03 AN302-03
VP717	AC40□-A	Y400-A	Y400T-A	E400-□04-A	AN40-04 AN402-04

* Refer to page 1106 for details of the spacer.



Modular Connection Type Residual Pressure Relief 3 Port Solenoid Valve VP500/700 Series

Specifications

Fluid		Air		
Type of actuation		N.C.		
Internal pilot	Standard	0.2 to 0.7		
Operating pressure range [MPa]	High-pressure type	0.2 to 1		
Ambient and fluid temperature [°	C]	-10 to 50 (No freezing)		
Maximum operating frequency [H	łz]	5		
Manual override (Manual operation)		Non-locking push type Push-turn locking type (Manual) Non-locking push type (Manual)		
Pilot exhaust method		Individual exhaust		
Lubrication		Not required		
Mounting orientation		Unrestricted		
Impact/Vibration resistance [m/s²] *1		150/30		
Enclosure		IP65		

^{*1} Impact resistance: No malfunction occurred when it was tested in the axial direction and at right angles to the main valve and armature in both energized and de-energized states. Each condition was tested once. (Default settings)
Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed in both energized and de-energized states in the

Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed in both energized and de-energized states in the axial direction and at right angles to the main valve and armature. (Default settings)

Solenoid Specifications

Electrical entry			DIN terminal (D) DIN terminal (Y) <en175301-803 (c)=""></en175301-803>		
			D, Y		
Call restad valteers IVI	DC		24, 12		
Con rated voltage [v]	Coil rated voltage [V] AC (50/60 Hz)		100, 110, 200, 220		
Allowable voltage fluctuation		1	±10% of rated voltage*2		
Power consumption [W]	umption [W] DC Standard		ard 0.35 (With light: 0.45)		
		100 V	0.78 (With light: 0.87)		
a pravid	A1*1 AC [110 V [115 V]	0.86 (With light: 0.97) [0.94 (With light: 1.07)]		
Apparent power [VA]*1		200 V	1.15 (With light: 1.30)		
		220 V [230 V]	1.27 (With light: 1.46) [1.39 (With light: 1.60)]		
Surge voltage suppressor			Varistor (DC)		
Indicator light			LED (DC), Neon bulb (AC)		

^{*1} The 110 VAC and 115 VAC are interchangeable. The 220 VAC and 230 VAC are interchangeable as well.

Response Time/Weight

		Res			
Model	Pressure specifications	Without light/surge voltage suppressor	With light/surge voltage suppressor	AC	Weight [g]
VP517Y	Standard (0.2 to 0.7 MPa)	27	32	44	222
VF31/1	High-pressure type (0.2 to 1.0 MPa)	41	48	44	(With bracket: 257)
VP717Y	Standard (0.2 to 0.7 MPa)	41	48	50	413
VF/1/1	High-pressure type (0.2 to 1.0 MPa)	67	76	50	(With bracket: 468)

Flow Rate Characteristics

	del Port size EXH.	Flow rate characteristics							
Model		1→2 (P→A)			2→3 (A→R)				
		C [dm ³ /(s-bar)]	b	Cv	C [dm ³ /(s-bar)]	b	Cv		
VP517Y	G3/8	8.8	0.14	2	8.2	0.15	1.8		
VP717Y	G1/2	13.8	0.11	2.9	12.9	0.18	2.9		



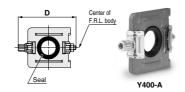
1105

^{*2} The allowable voltage fluctuation is -15% to +5% of the rated voltage for the 115 VAC or 230 VAC.

VP500/700 Series

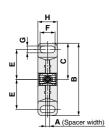
Spacer

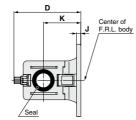




Model	Α	В	С	D
Y300-A	4.2	43.4	21.7	57.9
Y400-A	5.2	53	26.5	68.5

Spacer with Bracket







Y400T-A

Model	Α	В	С	D	Е	F	G	Н	J	K
Y300T-A	4.2	82	41	71.5	35	14	7	19	4	41
Y400T-A	5.2	96	48	86.1	40	18	9	26	5	50

Piping Adapter: 3/8, 1/2

A piping adapter allows installation/removal of the component without removing the piping and thus makes maintenance easier.





- Model *¹
 Port size
 A
 B
 D

 E300-□03-A
 3/8
 31.8
 30
 30

 E400-□04-A
 1/2
 31.8
 36
 36
- *1 ☐ in model numbers indicates a pipe thread type. No indication is necessary for Rc; however, indicate N for NPT, and F for G.
- * Separate spacers are required for modular units.

Silencer

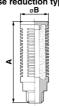
Compact resin type





Dimensions			[mm]
Model	Port size R	Α	В
AN30-03	3/8	58.5	20
AN40-04	1/2	68	24

High noise reduction type



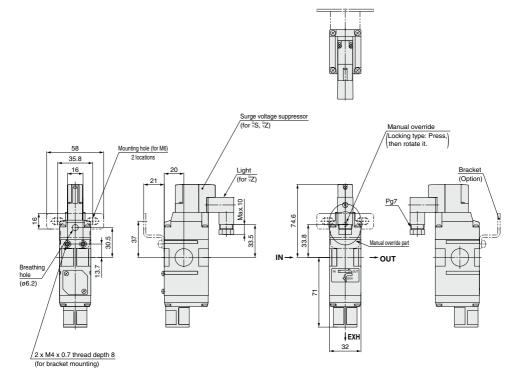


Model	Port size	Dimensions [mm]		
iviodei	R	Α	В	
AN302-03	3/8	84	28	
AN402-04	1/2	95	34	

Modular Connection Type Residual Pressure Relief 3 Port Solenoid Valve VP500/700 Series

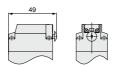
Dimensions

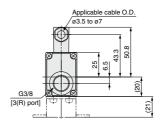
VP517



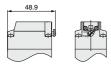
Details of manual override part (for manual operation)

Type A





Type E

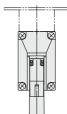


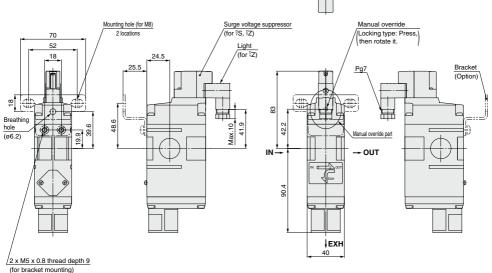


VP500/700 Series

Dimensions

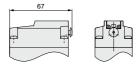
VP717





Details of manual override part (for manual operation)

Type A



Type E

