Rubber Seal 3 Port/Pilot Poppet Type Base Mounted/Single Unit

VP300/500/700 Series

How to Order

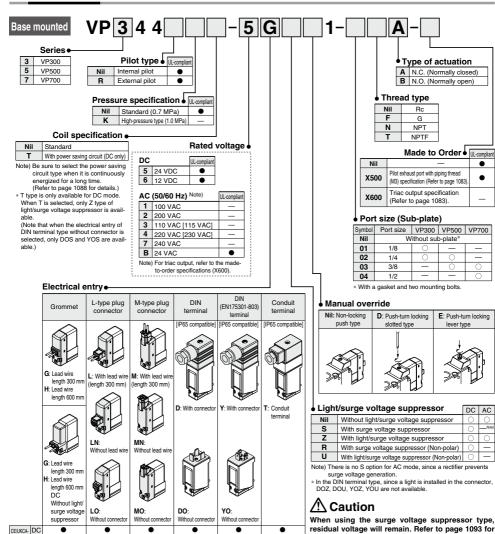


Note) Only DIN and conduit terminal types are available for AC mode Refer to the electrical entry for details.



 Pressure specifications: 0.7 MPa, DC or 24 VAC only Only applies to X500 and X505 for made-to-order specifications





^{*} LN and MN types are with 2 sockets.

compliant AC No.

details.

^{*} Refer to page 1086 when different length of lead wire for L/M-type plug connector is required

Refer to page 1087 for details on the DIN (EN175301-803) terminal.

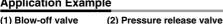
Note) With the same specifications as the DC type, all lead wire entries for the 24 VAC type are CE/UKCA marking compliant.

Flow Rate Characteristics/Weight

Model	Port size	$1 \leftrightarrow 2 (P \leftrightarrow A)$		$2 \leftrightarrow 3 (A \leftrightarrow R)$		Weight (g) Note)			
Model		C [dm³/(s·bar)]	b	Cv	C [dm3/(s-bar)]	b	Cv	Grommet	DIN terminal
VP344	1/8	3.6	0.22	0.8	3.5	0.24	0.8	216 (149)	252 (185)
VF344	1/4	3.9	0.22	0.9	3.8	0.14	0.9	211 (149)	247 (185)
VP544	1/4	7.5	0.16	1.7	7.3	0.20	1.7	370 (245)	406 (281)
VP544	3/8	8.8	0.07	2.0	8.8	0.13	2.0	362 (245)	398 (281)
VP744	3/8	12.9	0.10	2.9	13.3	0.24	3.1	676 (459)	712 (495)
VF/44	1/2	14.7	0.05	3.3	15.0	0.17	3.4	658 (459)	694 (495)

Note) (): Values without sub-plate

Application Example



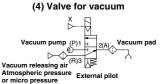


(R)3 ▼

External pilot

P2 (R)3 External pilot

(3) Selector valve



External pilot

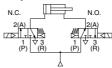
(5) Divider valve



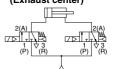
(6) Single-acting cylinder drive



(7) Double-acting cylinder drive



(8) Double-acting cylinder drive (Exhaust center)



Construction

Base mounted

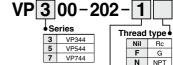
Symbol

Pilot type	N.C.	N.O.	
Internal pilot	2(A) W (P)1 3(R)	2(A) W. (P)1 3(R)	
External pilot	2(A) (P)1 3(R) X	2(A) (P)1 3(R)	

Component Parts

	00	omponent i arte				
	No.	Description	Material	Note		
	1	Body	Aluminum die-casted	White		
	2	Adapter plate	Resin	Gray		
	3	End plate	Resin	White		
	4	Piston	Resin			
	5	Poppet valve	Aluminum/HNBR			
	6	Retainer	Resin			
7 Spring		Spring	Stainless steel			

How to Order Sub-plate



Port size

Replacement Parts

N	o. Description		Note			
IN	o. Description	VP344	VP544	VP744	Note	
- 8	8 Pilot valve assembly Refer to "How to Order Pilot Valve Assembly" on page		nbly" on page 1066.	Built-in strainer		
_ (9 Gasket	VP300-217-1	VP500-217-1	VP700-217-1	HNBR	
1	0 Sub-plate	VP300-202-□	VP500-202-□	VP700-202-□	Aluminum die-casted	
_	Hexagon socket		VP500-224-1 (M4 x 46)	VP700-224-1 (M5 x 66)	For valve mounting	

⚠ Caution

of Mounting Screw

	0.0	
M4:	1.4	N·m
MAG.	20	NI m

Symbol	VP344	VP544	VP744	
1	1/8	1/4	3/8	
2	1/4	3/8	1/2	

Note) These specifications are common to the internal and external pilots.

NPTF