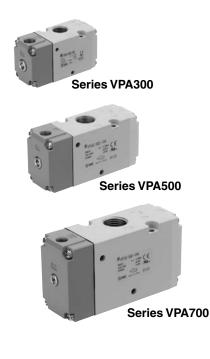
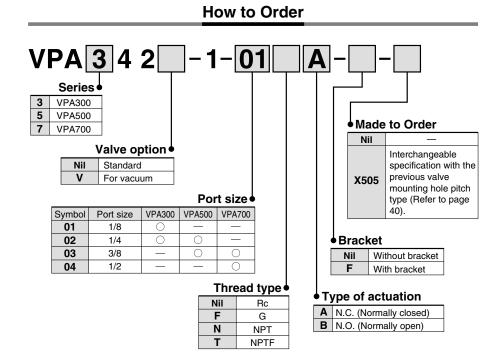
# 3 Port/Air Operated Valve Body Ported/Single Unit

## Series VPA300/500/700





#### **Specifications**

Fluid	Air					
Type of actuation	N.C. or N.O. (Convertible)					
Operating pressure range (MPa)	Standard	0.2 to 1.0				
Operating pressure range (MFa)	For vacuum	-100 kPa to 0.2				
Pilot pressure (MPa)	0.2 to 1.0 (Equivalent to the operating pressure or more)					
Ambient and fluid temperature (°C)	-10 to 50 (No freezing)					
Lubrication	Not required					
Mounting orientation	Unrestricted					
Impact/Vibration resistance (m/s²) Note)	300/50					

Note) Impact resistance: No malfunction to axis and right angle directions of main valve, each one time when pilot signal ON and OFF. (Values at the initial period)

Vibration resistance: No malfunction from test with 45 to 2000 Hz one sweep, to axis and right angle direction of main valve, each one time when pilot signal ON and OFF. (Values at the initial period)

#### Flow Characteristics/Weight

Model	Port size	$1 \leftrightarrow 2 \ (P \leftrightarrow A)$		$2 \leftrightarrow 3 (A \leftrightarrow R)$			Maight (g) Note)	
		C [dm³/(s·bar)]	b	Cv	C [dm³/(s·bar)]	b	Cv	Weight (g) Note)
VPA342	1/8	3.5	0.26	0.8	3.6	0.26	0.9	118
	1/4	4.2	0.22	1.0	4.2	0.23	1.0	114
VPA542	1/4	7.9	0.21	1.8	7.2	0.27	1.8	237
	3/8	8.9	0.16	2.2	8.9	0.20	2.1	229
VPA742	3/8	11.9	0.21	2.7	11.8	0.20	2.7	501
	1/2	15.1	0.21	3.6	15.3	0.22	3.7	484

Note) Values without brackets

### **⚠** Caution

Refer to back cover for Safety Instructions, "Handling Precautions for I SMC Products" (M-E03-3) for Common Precautions.



 Refer to back page 6 for changing the type of actuation.

