

Power Valve: Regulator Valve

Series VEX1

Large capacity relief regulator

Rapid tank internal pressure setting, air blow, constant pressure supply and driving, balance and driving, 2 steps directional control setting and multiple steps pressure control



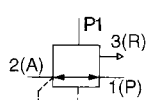
Air operated



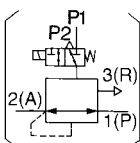
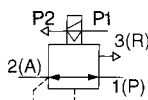
External pilot solenoid

JIS Symbol

Air operated



External pilot solenoid



Specifications

Model		VEX110□- ⁰¹ ₀₂		VEX120□- ⁰¹ ₀₂		VEX130□- ⁰² ₀₃ ⁰⁴ ₀₄				VEX150□- ⁰⁴ ₀₆ ⁰⁶ ₁₀		VEX170□- ¹⁰ ₁₂		VEX190□- ¹⁴ ₂₀	
Operation type		Air operated, External pilot solenoid													
Fluid		Air													
Max. operating pressure		1.0 MPa													
Set pressure range	Air operated	0.05 to 0.9 MPa													
	Solenoid	0.05 to 0.7 MPa						0.05 to 0.9 MPa							
Ambient and fluid temp.		0 to 50°C (Air operated: 0 to 60°C) No condensation													
Hysteresis		0.03 MPa													
Repeatability		0.01 MPa													
Sensitivity		0.01 MPa													
Mounting		Free													
Lubrication		Not required (Use turbine oil Class 1 ISO VG32, if lubricated.)													
Port size	Port 1(P)	01	02	01	02	02	03	04	04	06	10	10	12	14	20
	2(A)	1/8	1/4	1/8	1/4	1/4	3/8	1/2	1/2	3/4	1	1	1 1/4	1 1/2	2
	3(R)											1 1/4		2	
Mass (kg)	Air operated	0.1		0.2		0.4			1.3			1.9		3.9	
	Solenoid	0.2		0.3		0.5			1.4			2.0		4.0	

Note) Non-lubricated specifications are not available for this product.

Pilot Solenoid Valve Specifications

Model	VEX1101 / 1201 / 1301	VEX1501 / 1701 / 1901
Pilot valve	VK334-□□□	VO307-□□□
Electrical entry	Grommet, DIN terminal	Grommet, Grommet terminal, Conduit terminal, DIN terminal
Coil rated voltage (V)	AC(50/60Hz) 100V, 110V, 200V, 220V, 240V DC 6V, 12V, 24V, 48V	
Allowable voltage	±10% of rated voltage	-15 to +10% of rated voltage
Apparent power	AC Inrush 9.5VA/50Hz, 8VA/60Hz	12.7VA(50Hz), 10.7VA(60Hz)
	Holding 7VA/50Hz, 5VA/60Hz	7.6VA(50Hz), 5.4VA(60Hz)
power	DC 4 W (Without indicator light), 4.3 W (With indicator light)	4.8 W (Without indicator light), 5 W (With indicator light)
Manual override	Non-locking push type	

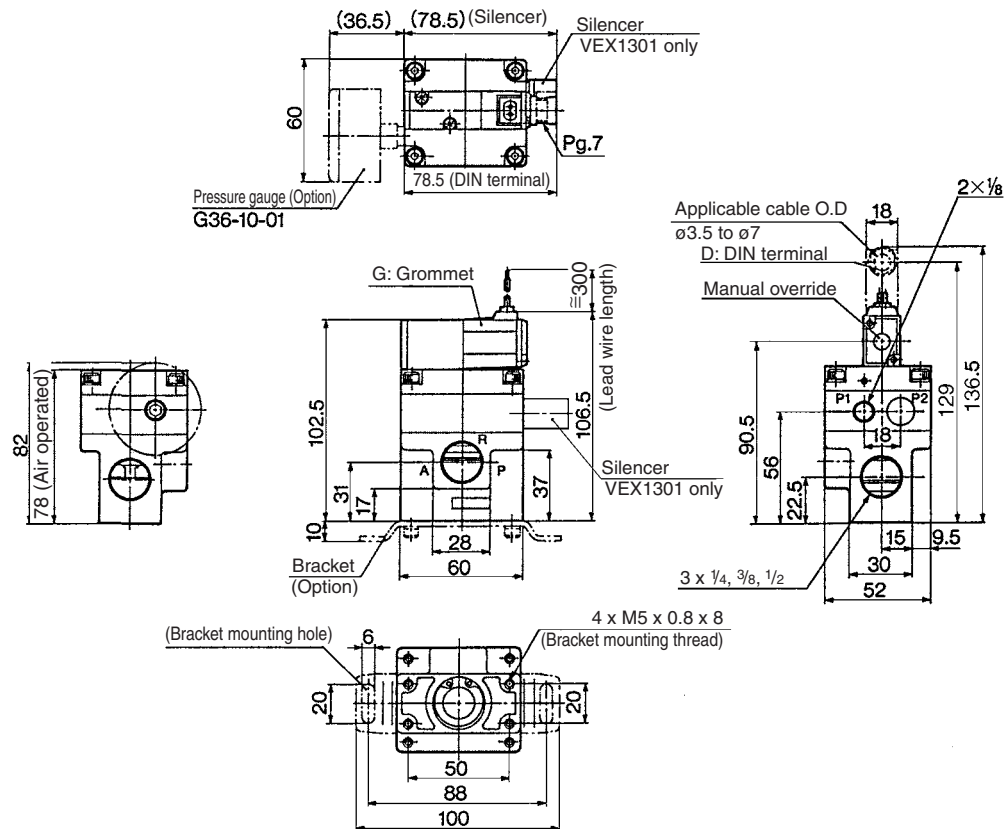
Option

Description		Part no.					
		VEX110□- ⁰¹ ₀₂	VEX120□- ⁰¹ ₀₂	VEX130□- ⁰² ₀₃ ⁰⁴ ₀₄	VEX150□- ⁰⁴ ₀₆ ⁰⁶ ₁₀	VEX170□- ¹⁰ ₁₂	VEX190□- ¹⁴ ₂₀
Bracket (With bolt and washer)	B	VEX1-18-1A	—	VEX3-32A	VEX5-32A	VEX7-32A	VEX9-32A
	F	VEX1-18-2A	—	—	—	—	—
Pressure gauge ^{Note)}	G	G27-10-01	G36-10-01	G46-10-01			



Note) When requiring a gauge different than that mentioned above, specify the model number.
Option is packed with it.
(Refer to Best Pneumatics No. 6.)
Example: VEX1300-03
G36-4-01

Air operated: VEX1300
External pilot solenoid: VEX1301



Air operated: VEX1500
External pilot solenoid: VEX1501

