Proportional Valves

Compact Proportional Solenoid Valve PVQ

- Stepless control of flow rate in proportion to current
- Repeatability: 3% or less
- Hysteresis: 10% or less

Series	Flow control range [L/min]	Fluid
PVQ	0 to 5 0 to 6 0 to 75 0 to 100	Air, inert gas

E-P HYREG® VY1

- Stepless control of pressure by use of electrical signals
- Thrust control of cylinders
- Flow control of nozzles
- Pressure control of tanks

Series	Port size	Set pressure [MPa]
VY1	M5 x 8 1/8, 1/4, 3/8, 1/2, 3/4, 1, 11/4, 11/2, 2	0.05 to supply pressure

Electro-Pneumatic Proportional Valve VEF/VEP

- Stepless control of air flow or pressure by use of electrical signals
- Press-die cushions
  Pressure control of welding machines and low-pressure casting
  Multi-stage speed control of air cylinders and rotation control of air motors

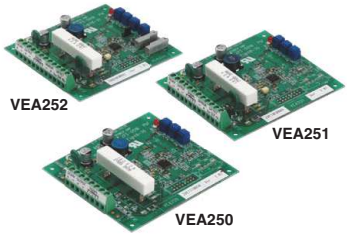
Series	Port size
VEF/VEP	1/4, 3/8, 1/2

5 Port Electro-Pneumatic Proportional Valve VER

- Stepless control of cylinders and applied pressure
- Applicable cylinders: ø25 to ø125
- Available for exhaust throttle and B port pressure regulation

Series	Port size	Set pressure [MPa]
VER2000/4000	1/4, 3/8, 1/2	0.1 to 0.9

Power Amplifier for Electro-Pneumatic Proportional Valve VEA



- Dedicated amplifier for driving an electro-pneumatic proportional valve
- Low-current command signal
- High dither effect
- Stabilizes the performance of the electro-pneumatic proportional valve

Series
VEA250
VEA251
VEA252