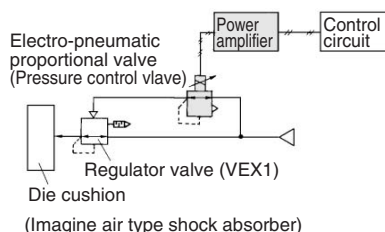
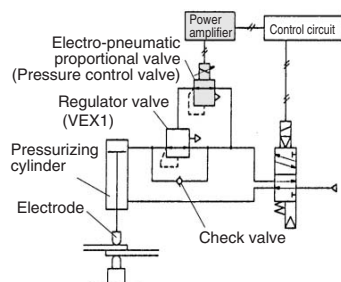


Application Example

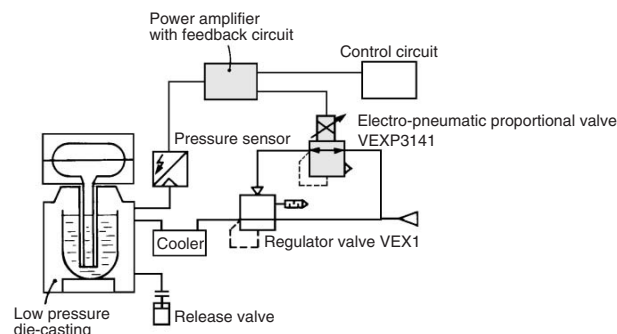
Controlling pressure for die press cushion



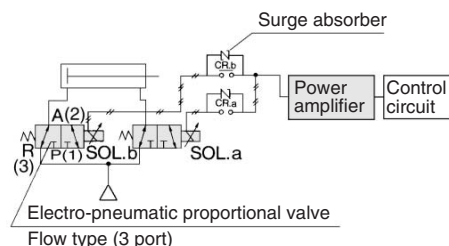
Controlling welding pressure of welding machine electrode



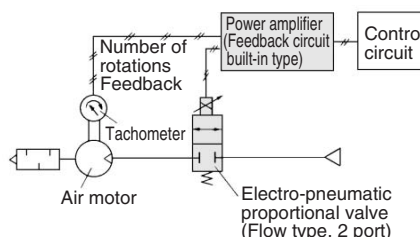
Controlling pressure of low pressure die-casting



Controlling multispeed of cylinder



Controlling rotation of air motor



How to Use DIN Terminal

⚠ Caution

Wiring procedure

1. Loosen the retaining screw and pull the connector from the pin plug.
2. Make sure to remove the retaining screw, insert the tip of a flat head screwdriver into the groove below the terminal block and pry it up to separate the terminal cover from the terminal block.
3. Securely connect the wires to the specified terminals in accordance with the wiring procedure.

Wiring



Terminal block
Connection 3 is not used
for terminal 1 and 2.
* Coil has no polarity.

Pin plug shape

Applicable cable (Heavy-duty cable)

0.75 mm², 1.25 mm²/2 core, 3 core (O.D. ø6.8 to ø11.5) based on JIS C 3312 and C 3322

Outlet changing procedure

To change the wire outlet, first separate the terminal cover from the terminal block. Then, reinstall the terminal cover in the desired direction (in 90° increments).

⚠ Precautions

Be sure to read before handling.
Refer to pages 14-21-3 to 14-21-4 for Safety Instructions and Common Precautions.

⚠ Caution

1. Air supply

Poor quality air could increase the spool's sliding resistance, while preventing it from attaining its specified characteristics. Use compressor oil with a minimal generation of oxidants and install a mist separator (SMC's AM series). Refer to page 14-14-2.

2. Mounting

- Vibrations are transmitted to the valve by the proportional solenoid's dither. If it is necessary to prevent the transmission of vibrations, insert vibration isolating rubber material.
- Thoroughly flush the pipe to completely eliminate any dust or scales from the pipe inside.
- Install a silencer (AN series) on the exhaust port.
- Be careful with the molded coil because it generates heat while current is applied to it.

3. Lubrication

This product can be used without lubrication. But if lubricated, use turbin oil Class 1, ISO VG32 (with no additive). It is impossible to use spindle oil, machine oil, or grease.

4. Manual operation

To check the operation of the valve without applying a current, remove the lock nut and use a screwdriver or the like to press the tip of the core. After checking the operation, reinstall the rubber cap in its original position.

Previous Type VEP□□□0, VEA1□□

⚠ Caution

VEP□□□0 must be used in conjunction with the power amplifier VEA1□□.

An old VEA1□□ cannot be used in combination with the current VEP□□□1.