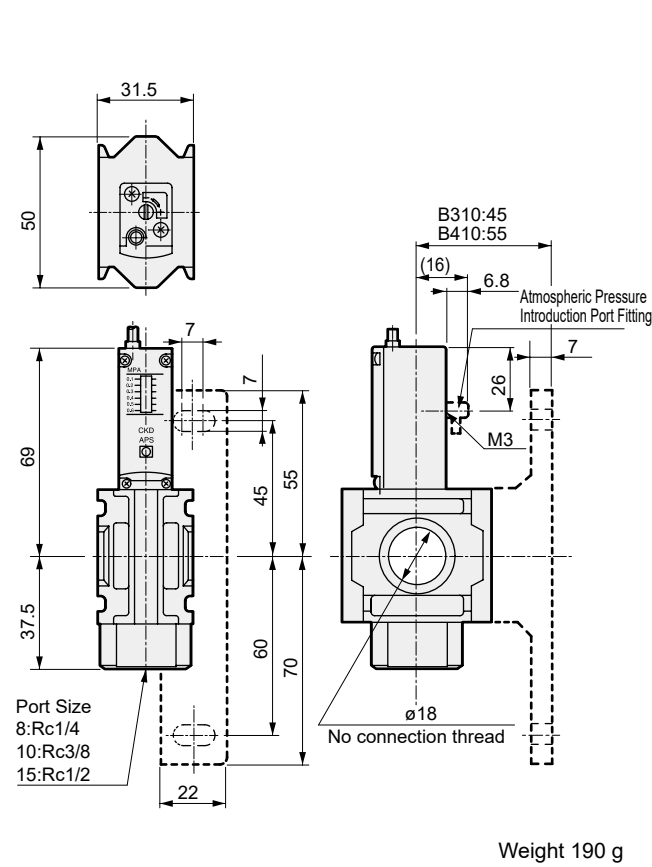
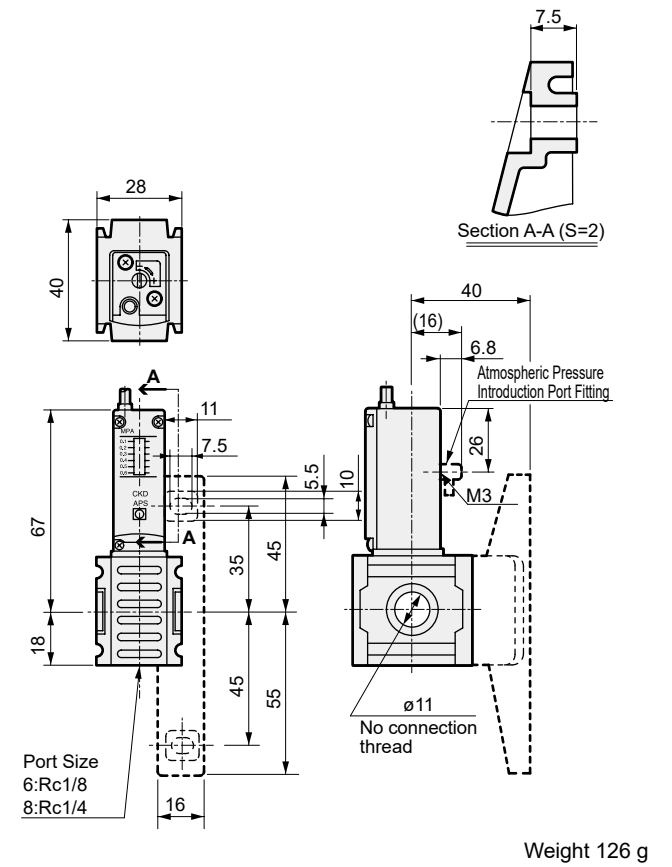


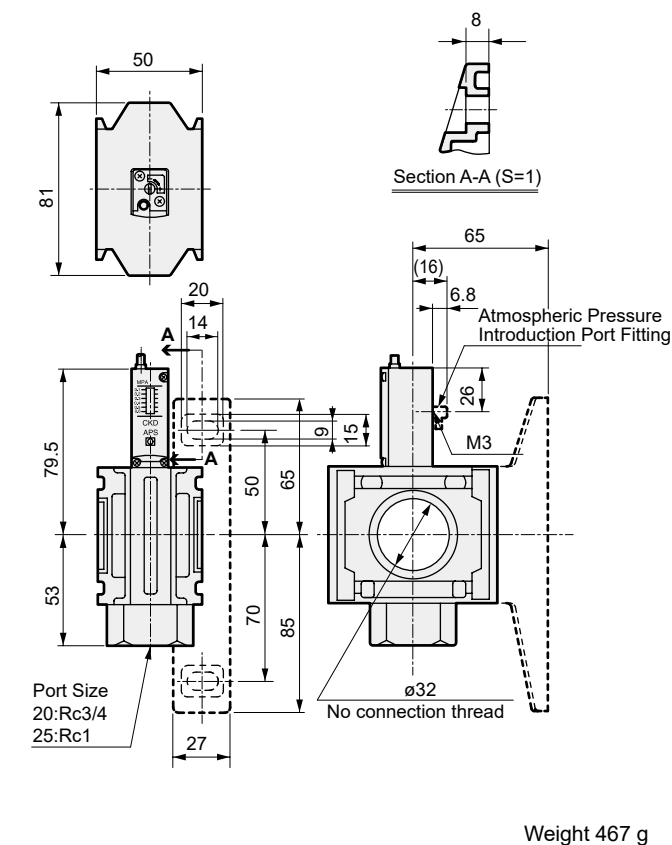
Dimensions

●P1100-W

●P4100-W



●P8100-W



Pneumatic components (Mechanical Pressure Switches)
To Use This Product Safely

Please read before use.
For general pneumatic components precautions, see Intro 27 for details.

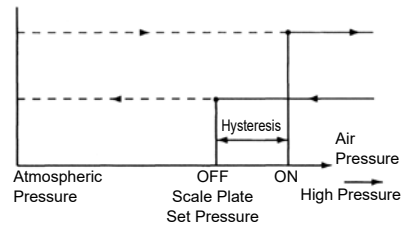
Individual Precautions : Reed switch compact mechanical switch P1100-W/P4100-W/P8100-W Series

At Design / Selection

CAUTION
Setting pressure

- Pressure displayed on the scale plate is used as a guideline. When setting the pressure, please set it while checking with a separate pressure gauge.
- Pressure displayed on the scale plate is the value when the contact is OFF. When setting to the value when the contact turns ON, set the pressure display on the scale plate smaller than the value obtained by subtracting the hysteresis. (Refer to the chart below) If not set, it may not operate at the set value. (Hysteresis refers to the pressure range from when the switch operates once at the set pressure until the pressure drops and the switch turns off.)

Operation Chart

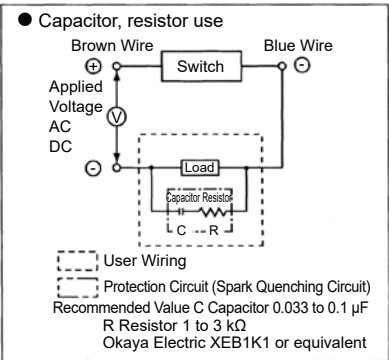
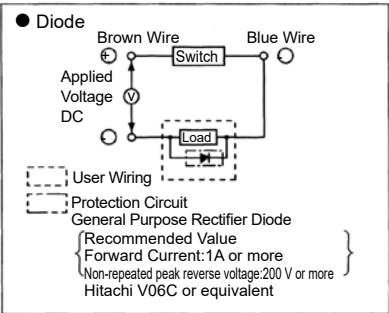


- Turning the adjusting screw in the L (low pressure) direction further from the 0.1 MPa setting will cause the stopper to move and the adjusting screw will not turn. Note that if torque is forcibly applied in the L (low pressure) direction, the adjusting screw may lock and become inoperable.

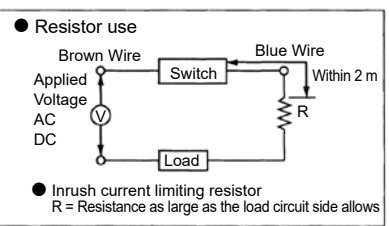
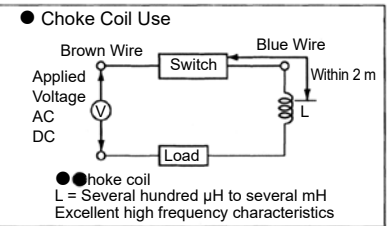
Wiring

- Connecting the lead wire
 - ① **Do not connect the lead directly to the power supply.** Connect the load serially. Failure to do so may result in burning out the lamp or melting the contact.
 - ② When using for DC, connect so that the brown wire is on the + side and the blue wire is on the - side. If connected in reverse, the lamp will not light up.
 - ③ When connecting to an AC relay or PC input, if half-wave rectification is performed in those circuits, the switch lamp may not light up. In that case, reversing the polarity of the switch lead wire connection will light up the lamp.
- Contact capacity
 - Do not use outside the specified range of load voltage and load current. It may cause failure such as lamp burnout or contact welding. Also, if it falls below the rated current value, the lamp may not light up.

- Contact protection
 - ① When using with an inductive load such as a relay, install the following contact protection circuit. If a protection circuit is not installed, it may cause contact welding.



- ② If DC wiring exceeds 50m or AC wiring exceeds 10 m, the wiring capacity will be reached, and a rush current will occur, damaging the switch or shortening the service life. If the wiring length exceeds the limit, install a contact protection circuit.



For precautions regarding mounting, installation, adjustment, operation, and maintenance, please refer to the CKD Component Products Site (<https://www.ckd.co.jp/kiki/en/>) → 'model No.' → Instruction Manual.