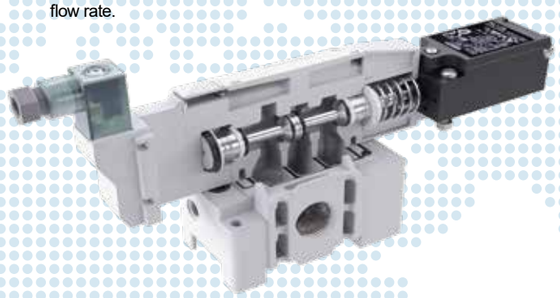
Industry's smallest class residual pressure exhaust valve, certified for safety standard ISO 13849-1.

Uses a spool valve with main valve position monitoring function.

- With a safety standard compliant limit switch, the consistency between the input signal and valve operation can be confirmed.
- With a spool valve, it remains compact while providing a large flow rate.



Sonic conductance

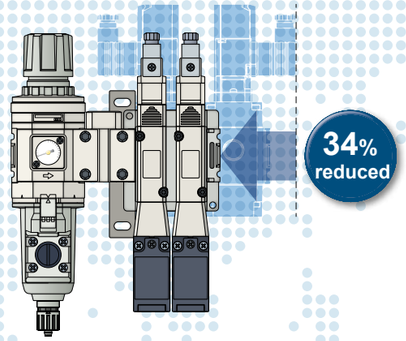
Large flow rate compliant (P→A)

C = 13 [dm³/(s·bar)] (1 station)

C = 10 [dm³/(s·bar)] (2 stations)

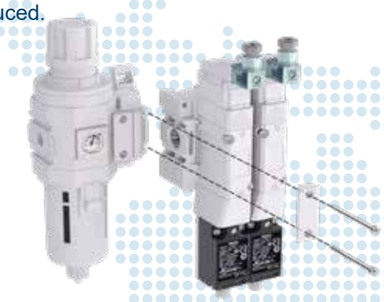
Interface dimensions are the industry's smallest class.

34% less compared to conventional products (2 stations).



Piping space reduced.

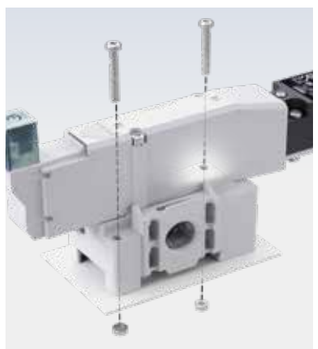
Modular connection with F.R.L. devices enables piping space reduction.



Easy installation

Bolt installation possible

Bolt installation is possible using the through holes in the base.



Prevents manual misoperation

Protective cover

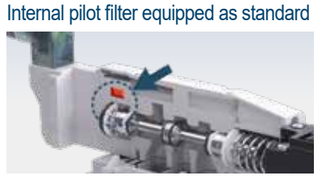
The manual override is equipped with a protective cover. When locked for manual operation, the protective cover will not close. (Manual override of non-locking/locking common)

Prevents problems with foreign matter

Mesh filter equipped as standard

Mesh filter is equipped as standard on the P port.

Internal pilot filter equipped as standard

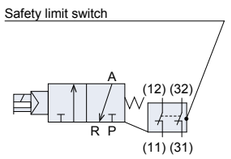


Certified for safety standard ISO 13849-1

Category 2 compliant

- Spool position detection enables safety function checking

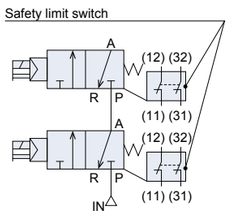
Spool valve position can be detected with the safety limit switch. Confirmation of the consistency of valve energization and open/closed states support safety function checks.



Category 3, 4 compliant

- Spool position detection enables safety function checking
- Residual pressure removal can be made redundant

With 2 exhaust valves, even if one breaks down the other discharges residual pressure. Individual malfunctions will not lead to loss of the safety function.



What is ISO 13849-1?

ISO 13849-1 is an international safety standard using objective judgment methods to promote risk reduction measures which protect people from risks regarding machinery (equipment). This standard is applied to systems relating to machine safety, and is applied to hardware such as solenoid valves, cylinders, etc.

Note) The use of this ISO 13849-1-compliant product will ease your path to equipment certification.
However, this product alone does not constitute a safety control system. Be sure to carry out a risk assessment of your equipment and design a system compatible with safety standards.

* Contact CKD for details on reliability data (B10).