



Series C-SR-BBLOCK

Spring Return Actuator
Breather Block

FUNCTION / OPERATION

The Quadrant C-SR-BBLOCK Breather Block Assembly is designed to be installed between air supply or solenoid valve and Spring-Return pneumatic actuator's inlet port (Port "A").

When installed, the Quadrant Breather Block insures that during the "Spring Stroke" of actuator, when solenoid is de-energized or when air supply to actuator is removed, no atmospheric/ambient air or gases from the area surrounding the actuator are allowed to be drawn into the chambers between actuator end caps and pistons due to vacuum created by piston movement.

Without the Quadrant Breather Block, every time the spring stroke occurs, atmospheric air/gas from the area immediately around actuator enters actuator piston and cylinder bore area, causing corrosion and accelerated wear.

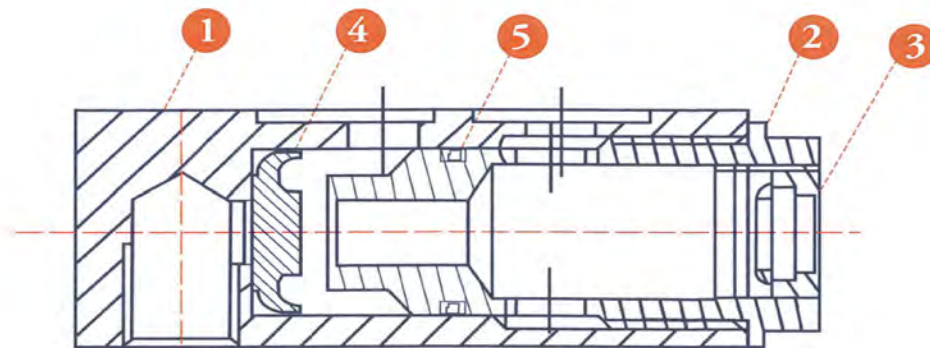
With the Quadrant Breather Block installed, only instrument air (compressed air used to operate actuator) enters the actuator internals.

All aluminum parts are hard-anodized for corrosion resistance.

MATERIALS OF CONSTRUCTION

PART	DESCRIPTION	STANDARD MATERIAL
1	Body	Grade 6061 Aluminum
2	Cylinder	Grade 6061 Aluminum
3	Filter Assembly	Brass with Sintered Bronze Filter
4	Shuttle Seal	Buna-N or Viton
5	O-Ring	Buna-N or Viton

Note: Uses Standard #2-017 O-Rings between Breather Block and Actuator



Numbering System ... How to Order

C-SR-BBLOCK-B

SEALS

B = Buna-N
F = Viton