

C-202 2:1 Ratio Cumulator

Description

The C-202 Cumulator is a reverse acting device with a ratio of 2:1. A reverse acting cumulator decreases output pressure with increasing pilot air pressure.

The C-202 is used singly or in groups to accumulate the effect of two or more controllers operating a device.

Air connections are made with barbed fittings for 5/32 or 1/4 in. polytubing. These fittings are field supplied for the reverse acting model. The supply, output, and pilot air connections are marked **S**, **O**, and **P** respectively.

The C-202 varies its output pressure in proportion to pilot air changes at a 2:1 ratio; the output changes 2 psi (14 kPa) for each psi change in pilot air pressure. The output of the reverse acting model is adjustable from 20 to 12 psig (140 to 84 kPa) for 0 psig input.

Refer to *C-202 2:1 Ratio Cumulator Product Bulletin (LIT-7171405)* for important product information.

Features

- provides output pressure at a 2:1 ratio to pilot air pressure
- comes in reverse acting models
- can be used singly or in groups

Repair Information

If the C-202 Ratio Cumulator fails to operate within its specifications, replace the unit. For a replacement cumulator, contact the nearest Johnson Controls® representative.



C-202 Ratio Cumulator

Selection Chart

Code Number	Description
C-202-2	C-202 Cumulator Reverse Acting

Technical Specifications

C-202 Ratio Cumulator		
Ratio		2:1
Air Connections		1/8 in. FPT (Fittings Field Supplied)
Supply Pressure		20 to 25 psig (140 to 175 kPa)
Ambient Temperature		-20 to 130°F (-29 to 54°C)
Air Consumption		5 scim (1.4 ml/s)
Output Capacity		1,000 scim (273 ml/s)
Starting Point		Adjustable 20 to 12 psig (140 to 84 kPa)
Mounting		In-Line
Material	Body	Aluminum
	Plates	Brass
	Diaphragm	Dalron