R-317 Air Flow Controller Catalog Page

LIT-1921110

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Description

The R-317 Air Flow Controller is a proportional, direct acting, low volume output signal instrument. The R-317 measures the differential between two static pressures and produces an output signal which is proportional to the differential of the static pressures.

Refer to *R-317 Air Flow Controller Product Bulletin (LIT-7171245)* for important product information.

Features

- mounts inside or outside of the mixing unit
- factory calibrated for vertical mounting
- can be rotated to any of four positions for convenience in piping
- features an integral mounting bracket and includes a mounting strap and bracket for mounting to ductwork

Applications

- proportional control of the volume discharge in high velocity mixing units
- control of duct pressures or air flow (as a static pressure limit)
- works with all makes and types of mixing units in which the volume can be controlled by measuring a pressure differential (as indicated in the selection chart)

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Repair Information

If the R-317 Air Flow Controller fails to operate within its specifications, replace the unit. For a replacement air flow controller, contact the nearest Johnson Controls® representative.

Selection Charts

Table 1: R-317 Air Flow Controllers

Code Number	Differential Pressure Range in. WG (Pa)	Differential Factory Setting in. WG (Pa)	Sensitivity in. WG (Pa)
R-317-1	0.05 to 1 (12.5 to 249)	0.25 (62)	3 psi/0.01 (8.4 kPa/1)
R-317-6	0.3 to 6 (74.7 to 1494)	1.5 (374)	1 psi/0.01 (2.8 kPa/1)
R-317-7	0.6 to 12 (149.4 to 2988)	3 (747)	0.5 psi/0.01 (1.4 kPa/1)

Table 2: Accessories for R-317

Code Number	Description
R-3710-3107	1/4 x 1/4 x 1/8 in. NPT Plastic Barbed Restrictor Tee (Order in multiples of ten) :0.007 in. Aqua
R-3710-3105	0.005 in. Red (For use on Conner Pneumavalves ®)

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Software terms

Use of the software that is in (or constitutes) this product, or access to the cloud, or hosted services applicable to this product, if any, is subject to applicable end-user license, open-source software information, and other terms set forth at www.johnsoncontrols.com/techterms. Your use of this product constitutes an agreement to such terms.

Patents

Patents: https://jcipat.com

Single point of contact

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