



DuraPulse® Cartridge

High Efficiency Cartridge Filter

- Self-cleaning pulse-type applications
- Heavy-duty construction
- Operational under severe environmental conditions
- High efficiency performance



Application

The AAF Durapulse Cartridge is a heavy-duty, high efficiency cylindrical filter developed specifically for use in self-cleaning pulse-type air filtration systems. It is designed to operate under the severe environmental conditions of gas turbine, engine and centrifugal compressor applications.

Construction

The AAF Durapulse Cartridge is a cylindrical filter element made of pleated media protected on the inside and outside by screens. These screens ensure that the media remains in place during the reverse pulse mode of the self-cleaning filter unit. The top and bottom end caps are sealed in position with thermosetting

plastic. The filtering media consists of pleated and impregnated cellulose based material, which is cured and retained within the inner and outer screens by means of annular beads of hot-melt glue. This feature prevents excessive movement of the media caused by swelling of the cellulose fibres during humid conditions. An even spacing of the pleats is maintained to ensure a most effective usage of the available media surface area.

Durapulse Cartridges can be supplied to meet customer dimensional requirements. Several qualities of media are available to meet specific environmental conditions and application requirements. In addition, the perforated screen and end cap components can be supplied in other

materials, like an epoxy-coated steel or a stainless steel for use in excessively corrosive environs.

Technical Data

Nominal Air Flow:

300 - 600 cfm (500 - 1000 m³/h)

Recommended Face Velocity:

2.5 - 3 fpm (0.0125 - 0.015 m/s)

Initial Resistance:

0.6" - 1.1" W.G. (150 - 280 Pa)

Average Arrestance (by weight):

99.95% on AC Coarse Test Dust

99.61% on AC Fine Test Dust

Temperature Limit: 55°C



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