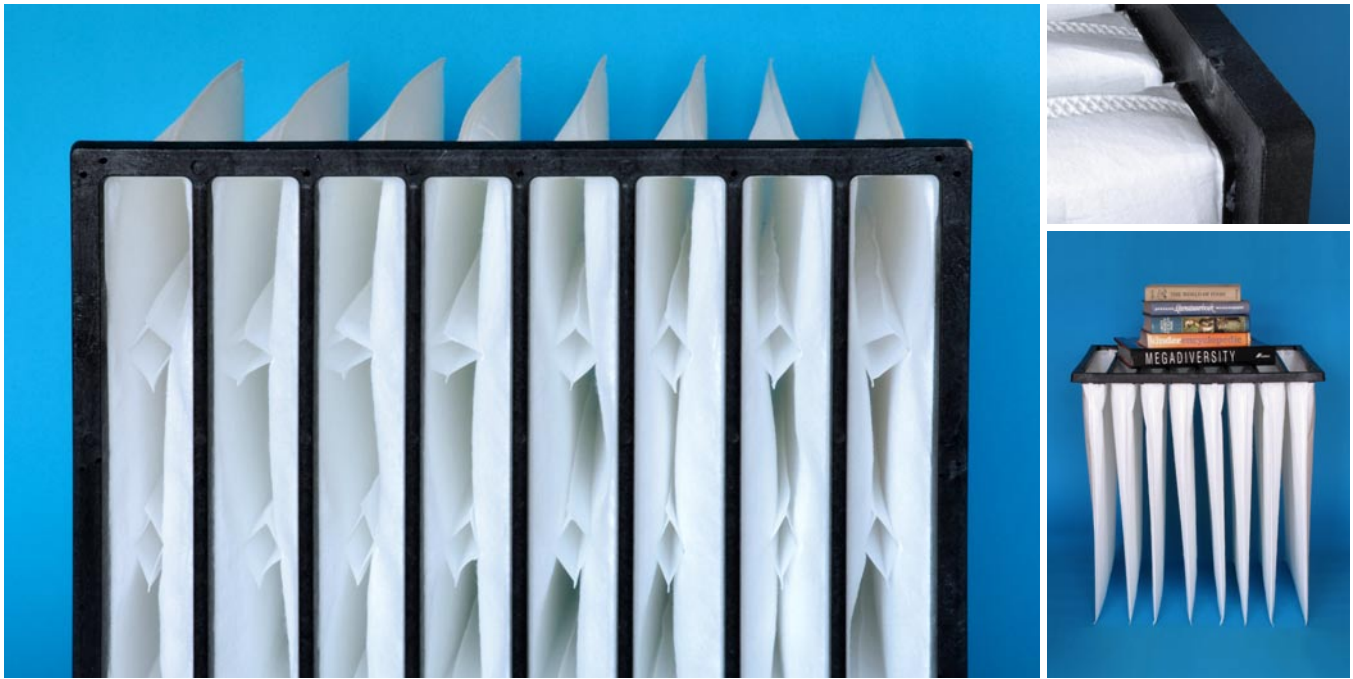


RTL-F6

F6 Rigid Pocket Filter



■ Rigid construction

The FirstAir RTL-F6 Rigid Pocket Filter is constructed to withstand extreme humidity, high velocities and turbulence and is excellent for gas turbine air intakes and all types of high velocity air handling systems.

Self-supported synthetic fiber filter medium and welded pockets stay rigid in the air stream and keep dust cake intact even during shutdown.

The entire filter element is free of metal parts, eliminating all risk of corrosion and punctures and therefore also well suited for salt-laden air and offshore environments.

Corrosion-free polypropylene header and welded construction ensure a leak-proof bonding and sealing of pocket to header frame.

■ Rigid synthetic medium

Synthetic medium, rated at ASHRAE 62% and MERV 9 efficiencies, has several layers of progressive density to ensure high fine dust retention, is rigid and self-supporting in the airstream to maintain integrity during shutdowns.

Medium is engineered to be rigid with non-shedding fibers in a welded pocket, specially designed to resist degradation, moisture and chemicals and is silicone free.

Medium resists all types of bacterial growth and is welded into pocket form with an extremely strong gridded waffled welding seam.

■ Unique design

The RTL-F6 Rigid Pocket Filter is very lightweight and easy to handle, which provides for low-cost transport, installation and disposal.

Progressively structured rigid media density provides exceptionally low pressure drop at high efficiency levels.

Aerodynamic spacers channel the air entering the pocket resulting in stabilized air flow and lower pressure drop, assuring reduced energy costs.

Rigid format secures undisturbed dust cake formation for sustained efficiency levels, even during turbulence and extremely high air flows and frequent shutdowns.

Tested parameters

ASHRAE 52.2 rating @ 2000 cfm	MERV 9 and F6
ASHRAE 52.1 dust spot efficiency	62 % @ 0.4 µm
Dust holding capacity @ 450 Pa or 1.5" wg	3400 grs
Dust holding capacity @ 1000 Pa or 4.0" wg	5074 grs
Burst strength	6000 Pa or 25" wg

Technical data

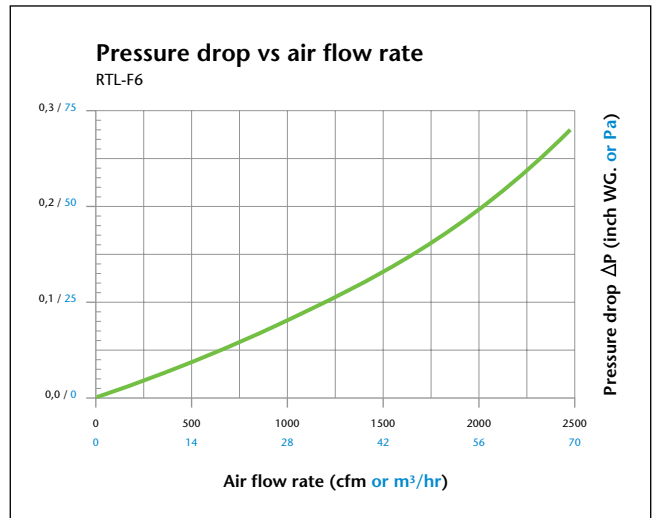
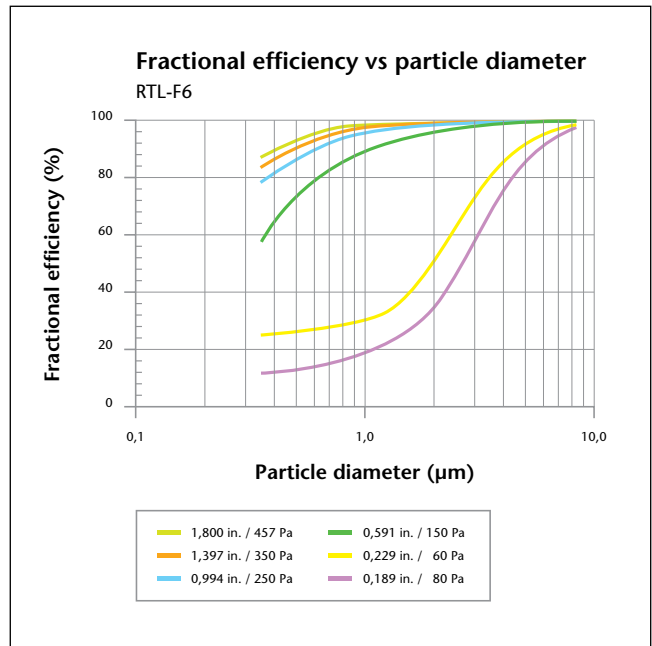
Reference product	RTL-F6 1/1
Fronthead	592 x 592 x 22 mm or 24" x 24" x 7/8"
Depth of pockets	600 mm or 24"
Number of pockets	8
Media area	5.6 m ² / 63 sq. ft.
Weight	3500 grs
Fitting	610 x 610 mm or 24" x 24"
Initial pressure drop	47 Pa or 0.19" wg
Test air flow	3400 m ³ /h or 2000 cfm
Rated air flow	4250 m ³ /h or 2500 cfm

Application parameters

Temperature resistance up to	70 °C or 150 °F
Flammability according to UL 900	Class 2
Fire classification DIN 53438	Class F1
Media	Synthetic rigid
Relative humidity	100 %
Recommended final pressure drop	450 Pa or 1.5" wg

Application specialties

Gas turbines in power plants
Spray painting plants
Medical facilities and clean rooms
Compressors and diesel generators
Utility- and co-generation plants



Ecological aspects



- Contributes to genuine dust-free operation
- No coloring or bleaching agents used
- No metal components of any kind, eliminates corrosion
- Header, 50% recycled material
- No sorting before disposal necessary
- Unit 100% incinerable