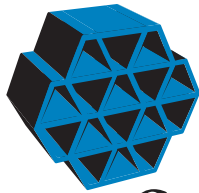


# Panel Filters



**PowerCore™**  
A DONALDSON FILTRATION TECHNOLOGY

**D**onaldson PowerCore® technology is a unique filter media packaging technique for creating high efficiency, lightweight, disposable air filters. When combined with our exclusive patented Spider-Web® nanofiber media treatment, the result is significantly increased filter performance! PowerCore® yields longer filter service life and maintains lower ΔP over the life of the filter -- resulting in improved turbine output. PowerCore® is clearly the 'higher value' filter for air inlet systems!

**Low ΔP in the long term is what's important for best value.**

PowerCore® yields a significant performance gain over conventional panel filters!

- Lower service resistance
- Longer filter life
- Higher dust-holding capacity
- Higher value

Donaldson applies PowerCore technology in filters for diesel & gasoline engines, and in chemi-adsorptive filters for semiconductor processing -- as well as in various configurations for gas turbines, as shown on this and the next page.

## PowerCore Panels Replace Mini-Pleats

**D**onaldson PowerCore® panels yield longer filter service life and maintain lower ΔP than mini-pleat style filters -- yielding improved turbine output.

Many PowerCore panel filters include our exclusive and patented Spider-Web® media treatment -- resulting in significantly increased filter performance for your existing turbine inlet air panel filtration system.

### Typically Used In

- Existing panel filter inlet air systems
- Systems that use 24" x 24" (610 x 610 mm) nominal size filters

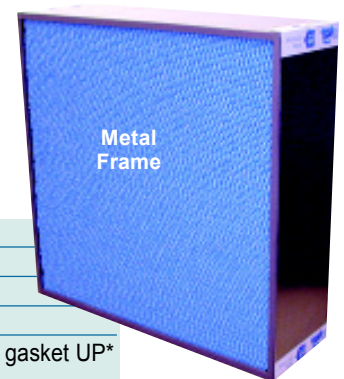
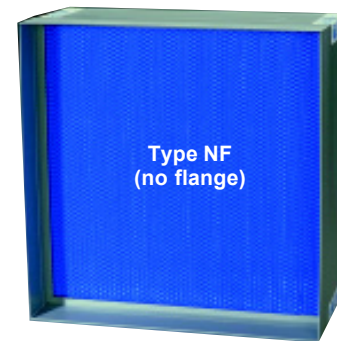
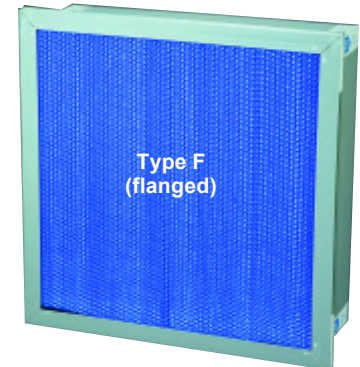
### Features

- Increased dust holding capacity yields longer filter service interval.
- Polymer construction -- no rust!
- The fluted media means no pleat bunching.
- Pre-filter available (NF style includes retention frame for prefilter.)
- Polymer frames are for use in temperatures less than 150°F/66°C.

### Dimensions

Type F	23.38"/ 594mm W&H*
	21.75"/ 552mm at rear
Type NF	23.38"/ 594mm W&H*
Metal Frame	23.38"/ 594mm W&H
Half-Panel	24"x 12"/ 610x305mm

\* Dimension includes gasket



## PowerCore Square Panel

Part No.	Type	Media	Comments
P19-1334	F	Spider-Web	Polymer frame
P19-1705	F	Synthetic	Polymer frame
P19-1358	NF	Spider-Web	Polymer frame
P19-1751	NF	Spider-Web	Polymer frame, gasket UP*
P19-1708	NF	Synthetic	Polymer frame
P19-1774	NF	Synthetic	Half panel, polymer frame
P19-1968	NF	Spider-Web	Metal frame
67009	for NF Retention clip		for Farr systems (see page 11)

\* Gasket is mounted on the upstream side of the filter. (All other models have gaskets on the downstream side.)

### Pre-Filter Panel for NF Type Panel

P19-1249	Poly Pre-Filter	details on page 14
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