

OPTIPLEAT FILTER



Final Draft 04/19/05

Signed _____

Date _____



Patented deep pleat design

Blended synthetic and glass media

Plastic frame

- ▶ **Patented Deep Pleat Design** provides extremely low pressure drop and high dust holding capacity
- ▶ **Excellent Performance** under high air velocity and variable flow conditions
- ▶ **Low Pressure Drop Design** provides maximum energy savings
- ▶ **Moisture Resistant** up to 100% relative humidity
- ▶ **Temperature Stability:** continuous 175°F

DESCRIPTION

Filtrair's Optipleat is designed and constructed to provide the lowest resistance to air flow while maintaining high levels of air filtration efficiency. The patented design of the Optipleat pack utilizes a unique supported deep pleat with an unmatched 10mm wide air entry pleat throat. The media is a special blend of synthetic and glass fiber

designed specifically for the Optipleat. Combining the advanced design and special media results in the most energy efficient, durable, and effective air filter available.

FEATURES AND BENEFITS

- ▶ **WIDE AIR ENTRY PLEAT THROAT AND DEEP PLEAT DESIGN** minimize resistance to air flow
- ▶ **MINIMUM RESISTANCE** greatly lowers operating costs
- ▶ **SYNTHETIC BLEND MELT-BONDED FIBER MEDIA PLEAT PACK** is extremely durable and resistant to deformation and media puncture
- ▶ **PLASTIC FRAME AND HOT MELT SEPARATORS** provide a very light weight product of exceptional strength
- ▶ **ABSENCE OF METAL COMPOUNDS** eliminates the risk of corrosion and allows for total incineration after use.

APPLICATIONS

The strength, durability, low pressure drop and high dust holding capacity make the Optipleat the ideal filter for use in turbines, power plants and utilities.

OPTIPLEAT FILTER

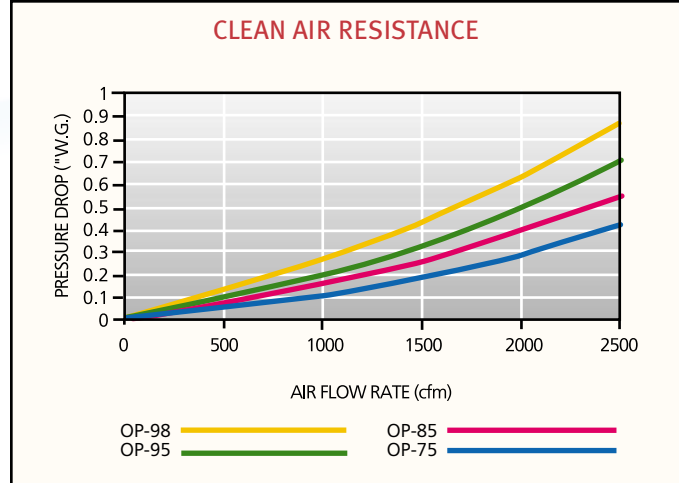
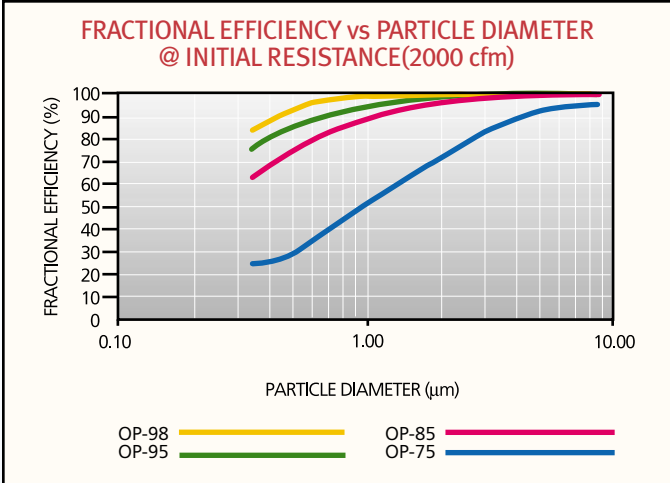
OPTIPLEAT FILTER TECHNICAL DATA

Sizes	Units	OP-75	OP-85	OP-95	OP-98
Standard Holding Frame	in	24 x 24	24 x 24	24 x 24	24 x 24
Pleat Depth	in	10	10	10	10
Unit Depth	in	11.5	11.5	11.5	11.5
Media Area	ft ²	151	151	151	151
Weight	lb	13.2	13.2	13.2	13.2
Header Size	in	23.31 x 23.31	23.31 x 23.31	23.31 x 23.31	23.31 x 23.31

Performance	Units	OP-75	OP-85	OP-95	OP-98
Rated Air Flow	cfm	2000	2000	2000	2000
Initial Resistance*	"w.g.	0.29	0.39	0.49	0.63
Initial Resistance @ 2500 cfm*	"w.g.	0.42	0.53	0.67	0.87
MERV*	—	11	13	14	15
DHC @ 1.5"w.g. Final Resistance*	g	500	450	350	300
ASHRAE Average Efficiency	%	65	85-90	95	98
Temperature Resistance	°F	160	160	160	160
Temperature Resistance Peaks	°F	180	180	180	180
Burst Strength	"w.g.	>12	>12	>12	>12

Available In	
1/1	24 x 24
5/6	20 x 24
1/2	12 x 24

* Test performed according to ASHRAE Test Standard 52.2-1999



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