



HIGH TEMPERATURE

Filter: Meta-Aramid Filter Bags

Rosedale HT Series Meta-Aramid Filter Bags are constructed of synthetic fibers that are extremely heat resistant. They can be used in applications to withstand intermittent temperatures as high as 464°F / 240°C or continuous to 400°F / 204°C.

Using a proprietary combination of fiber diameters, weights and thicknesses, HT Bags are an optimal depth filter media. To reduce fiber migration, HT bags are glazed.

DESIGN DETAILS

HT bags have a plastic flange sewn into their opening and integral handles as a standard feature. They make removal faster and easier. The standard felt is offered in grades 1 to 200 microns.

They are supplied with sewn seams only. For applications within the range of polyester (300°F), the Rosedale RPE Flange top can be attached to provide an optimum seal.

FEATURES

- Glazed finish on Meta Aramid reduces fiber-shedding
- Depth media removes both solid and gelatinous particles
- Silicone-free construction
- High dirt holding capacity
- Micron ratings from 1 to 200
- All industry standard and custom sizes available
- Broad chemical compatibility
- High flow / low pressure drop
- Choice of stainless steel ring or plastic flange
- Temperature ratings to 425°F
- Nominal efficiency of 90%

APPLICATIONS

- Heat transfer fluids
- Hot oil boilers
- Molds
- Extruders
- Edible oils



MATERIALS OF CONSTRUCTION

- Filter Media: Meta-Aramid
- Finish: Glazed
- Top Seal: Stainless Steel Ring or Plastic Flange

SUGGESTED DIFFERENTIAL PRESSURE

- Maximum: 35 PSIG dirty (2.4 bar)
- Optimum: 10-15 PSIG (0.7-1.0 bar)

MAXIMUM OPERATING TEMPERATURE

- Intermittent: 464°F / 240°C
- Continuous: 400°F / 204°C



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RECOMMENDED MAXIMUM FLOW RATE (FOR LIQUIDS WITH A DYNAMIC VISCOSITY OF 1 MPA·S @ 20°C)

FILTER BAG SIZE	FLOW RATE	DIMENSIONS	SURFACE AREA
1	40 GPM (9.08 M3/HR)	7.2" X 16" (18.28 CM X 40.65 CM)	2.2FT2 (0.20M2)
2	80 GPM (18.16 M3/HR)	7.2" X 32" (18.28 CM X 81.28 CM)	4.4FT2 (0.41M2)
3	10 GPM (2.27 M3/HR)	4.1" X 8" (10.41 CM X 20.32 CM)	0.5FT2 (0.45 M2)
4	20 GPM (454 M3/HR)	4.1" X 14" (10.41 CM X 35.56 CM)	1.0FT2 (0.9M2)
7	25 GPM (5.67 M3/HR)	5.6" X 15" (14.27 CM X 38.10 CM)	1.2FT2 (0.11M2)
8	40 GPM (9.08 M3/HR)	5.6" X 21" (14.27 CM X 53.34 CM)	2.0FT2 (0.20M2)
9	65 GPM (4.0 M3/HR)	5.6" X 32" (14.27 CM X 81.28 CM)	3.4FT2 (0.32M2)
12	100 GPM (22.71 M3/HR)	8.4" X 32" (21.25 CM X 81.28 CM)	5.5FT2 (0.52M2)

CONFIGURE YOUR PART NUMBER (EXAMPLE: HT-100-G2RPE)

MATERIAL	MICRON RATING (90% EFFICIENT)	FINISH	SIZE (DIMENSIONS ABOVE)	TOP SEAL
HT Meta-Aramid	1	G Glazed	1	SS 316 Stainless Steel Snap Ring
	5		2	RPE Polyester Flange
	10		3	
	25		4	
	50		7	
	100		8	
	200		9	
			12	