



Cost effective filtration solution for use with heat reactivated dryers

The Aircel AFHT series of high temperature dust filters has been uniquely designed to provide the removal of dust downstream of internally heated regenerative dryers. These filters are an economic and efficient solution when compared to a carbon steel alternative.

Suitable for up to 450°F

Designed to remove all particulate down to 1 micron and suitable for up to 450°F, this range was purposefully designed to protect your downstream equipment.

AFHT SERIES

Unique Features

- Corrosion treated metallic end caps are bonded in place using high temperature epoxy resin
- Heavy duty aluminum construction suitable for use in high temperature applications
- Unique Nomex outer sock provides coarse prefiltration, reducing pressure drop and extended service life



AFHT SERIES

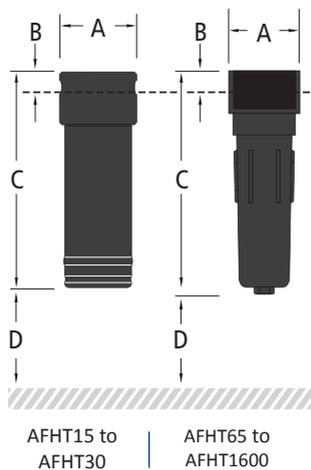
TECHNICAL SPECIFICATIONS



Filter Model	Pipe Size	Flow Rate		Dimensions inches (mm)				Weight		Element Model
		SCFM	Nm ³ /h	A	B	C	D	lbs	kg	
AFHT15-D-AF1	¼	15	26	2.48 (63)	0.55 (14)	5.71 (145)	1.97 (50)	1.3	0.6	AL15AF1HTE
AFHT30-D-AF1	⅜	30	51	2.48 (63)	0.55 (14)	6.89 (175)	1.97 (50)	1.5	0.7	AL30AF1HTE
AFHT65-D-AF1	½	65	111	4.33 (110)	1.50 (38)	10.75 (273)	5.91 (150)	6.8	3.1	AL65AF1HTE
AFHT75-D-AF1	¾	75	128	4.33 (110)	1.50 (38)	10.75 (273)	5.91 (150)	6.9	3.1	AL75AF1HTE
AFHT150-D-AF1	1	150	255	4.33 (110)	1.50 (38)	14.09 (358)	5.91 (150)	8.3	3.8	AL150AF1HTE
AFHT300-D-AF1	1½	300	510	5.75 (146)	2.01 (51)	19.29 (490)	6.69 (170)	17.9	8.1	AL300AF1HTE
AFHT450-D-AF1	2	450	765	5.75 (146)	2.01 (51)	19.29 (490)	6.69 (170)	17.4	7.9	AL450AF1HTE
AFHT650-D-AF1	2	650	1105	5.75 (146)	2.01 (51)	27.05 (687)	6.69 (170)	23.2	10.5	AL650AF1HTE
AFHT1000-D-AF1	2	1000	1700	9.06 (230)	2.68 (68)	28.43 (722)	7.01 (178)	41.1	18.7	AL1000AF1HTE
AFHT1250-D-AF1	2	1250	2125	9.06 (230)	2.68 (68)	33.23 (844)	7.01 (178)	44.5	20.2	AL1250AF1HTE
AFHT1600-D-AF1	3	1600	2720	9.06 (230)	2.68 (68)	39.06 (992)	7.01 (178)	49.0	22.3	AL1600AF1HTE

Grade AF1HT		
Particle removal	1 micron	
Maximum oil carryover at 68°F (20°C)	N/A	N/A
Maximum temperature	450°F	232°C
Pressure loss - clean and dry	1.1 psi	75 mbar
Pressure loss - oil saturated	N/A	N/A
Pressure loss - change element	6 psi	400 mbar
Maximum working pressure	150 psig	10 barg

AFHT SERIES Model Dimensions



TECHNICAL NOTES

1	Direction of air flow is outside to in through the filter element.
2	Threaded connections are NPT to ANSI B2.1.
3	Filters are supplied with a drain plug (¼" NPT).
4	Mounting brackets are available.
5	All filter bodies are painted with a black high temperature powder paint finish to eliminate corrosion.
6	Aluminum high temperature filters and filter elements are available in silicone free upon request.
7	Threaded differential pressure ports (¼" NPT) are included on models AFHT65-AFHT1600.