

## THRIFT AIRE



**CONSTRUCTION** The Thrift Aire Filter is a lightweight aluminum filter. It consists of multiple layers of aluminum expanded material, assembled in alternating layers to assure maximum filtering and internal loading capabilities. The media is enclosed in a medium weight aluminum frame, mitered and secured at one corner by rivets. The filter is designed for applications such as light industrial, commercial, schools, and office buildings where a lightweight permanent filter is recommended. Maximum operating temperature on the Thrift Aire Filter is 240 degrees F. Available in both standard and special sizes. Available in 3" and 4" thicknesses.

**MATERIAL** Filtering element shall be processed from sheet aluminum, commercially known as 3003-H22, .025 in thickness expanded to .050 strand. Frame shall be made from sheet Aluminum 3003-H14, .025 thickness.



## HIGHLIGHTS

- Lightweight aluminum filter
- Special design for maximum dust holding capacity
- Low resistance
- Washable and reusable
- Rust resistant

### **STANDARD SIZE FILTERS**

<b>Nominal</b> <b>Size</b> (Actual size 1/2" under)	Part Number	Pack Ctn/ Lbs. Ctn
16 x 20 x 1	TA16201N	12 /18 lbs.
16 x 25 x 1	TA16251N	12 /22 lbs.
20 x 20 x 1	TA20201N	12 /22 lbs.
20 x 24 x 1	TA20241N	12 /26 lbs.
20 x 25 x 1	TA20251N	12 /26 lbs.
24 x 24 x 1	TA24241N	12 /30 lbs.
10 x 20 x 2	TA10202N	12 /14 lbs.
12 x 24 x 2	TA12242N	12 /20 lbs.
16 x 20 x 2	TA16202N	12 /22 lbs.
16 x 25 x 2	TA16252N	12 /27 lbs.
20 x 20 x 2	TA20202N	12 /27 lbs.
20 x 24 x 2	TA20242N	12 /32 lbs.
20 x 25 x 2	TA20252N	12 /32 lbs.
24 x 24 x 2	TA24242N	12 /37 lbs.

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#### Air Flow vs Resistance **Clean Device** 0.10 0.09 0.09 0.08 0.07 Resistance (in WG) 0.02 0.03 0.04 0.06 0.04 0.03 0.030 0.02 0.02 0.020 0.01 .010 0.01 0.005 0.00 1000 1500 2000 2500 500 0 Airflow Rate (CFM) **---**1" **---**2" **Initial Particle Size Removal Efficiency** 100.0 90.0 80.0 70.0 Removal Efficiency % 60.0 50.0 40.0 30.0 20.0 10.0 0.0 10.0 0.1 1.0 Particle Diameter (µm) **--**1" **--**2"

## AIR DELIVERY DATA

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