

PRODUCT DATA SHEET

January, 2007

KLEEN.AIR 55R

GENERAL INFORMATION

These radial flow units are designed for the efficient purification of vapor waste or process streams. The shallow media bed in these uniquely designed vessels allows for the processing of high flows with very low pressure drop. These filters have the ability to remove contaminants to non-detectable levels.

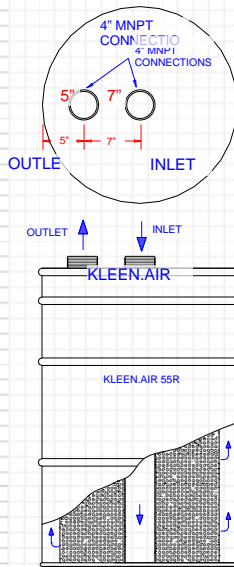
The vessels are constructed of heavy-duty mild steel and are lined. Stainless steel internals consists of a distributor tube and media retention screen. Inlet vapors enter the distributor tube, then proceed horizontally through the media bed, and then through the retention screen to free air space inside the canister wall. The purified vapors then travel to the upper collection area and exit through the outlet duct.

Units are shipped filled with high quality media and ready for connection to process piping. Once the media is "spent", Baker can provide a number of service and disposal options.

WEIGHTS AND MEASURES

» Max. Flowrate:	300 cfm
» Max. Pressure:	12 psi
» Design Temp:	150°F
» Height:	36"
» Diameter:	24"
» Shipping Wt*: (drum + media) <i>(* Media dependent)</i>	270 lbs. - 405 lbs.

Upflow operation is recommended



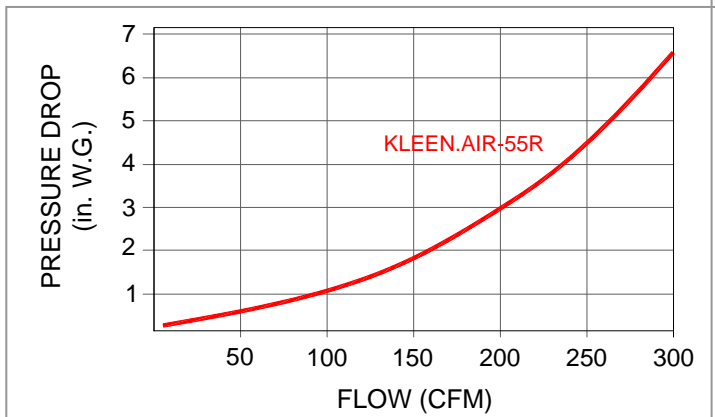
FILTER MEDIA

» Types:	•Activated Carbon •Specialty Media
» Volume:	4.8 cu. ft.
» Weight*: <i>(* Media dependent)</i>	135 lbs. - 270 lbs.

MISCELLANEOUS

» Inlet:	4" MNPT
» Outlet:	4" MNPT
» Media Access:	Removable top lid
» Lid Gasket:	Neoprene
» Interior Coating:	Double-layered epoxy
» Exterior Coating:	High gloss polyurethane paint

PRESSURE DROP DATA



NOTES:

1. In the presence of activated carbon, some contaminants may oxidize, polymerize or otherwise react resulting in the release of heat and become a potential fire hazard. Extreme care should be taken in the design and operation of such applications.
2. Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate procedures for potentially low oxygen spaces must be followed, including all federal and state requirement



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