

**PRODUCT DATA SHEET**

September, 2010

**KLEEN.AIR 20000BX**

**GENERAL INFORMATION**

These units are designed for the efficient purification of contaminated vapor waste or process streams. They have the ability to remove contaminants to non-detectable levels. The box is fitted with a full partition wall down the center which means it can be set up for either parallel or series (lead/lag) operation.. These filters may be shipped from our warehouse preloaded with high quality filtration media 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:	..... Up to 6,000 cfm in series and 12,000 cfm in parallel (application dependent)
» Max. Pressure:	..... 5 psi
» Max. Temp:	..... Up to 150°F
» Height:	..... 9'-2" (grade to handles on roof access doors)
» Width:	..... 8'-4"
» Length:	..... 23'-4" (not including any attached duct-work on the ends of the box)
» Shipping Wt:	..... 14,000 lbs. (without media) 34,000 lbs – 54,000 lbs (with media*) <i>*Depends on media type</i>

**STRUCTURAL DESIGN**

» Floor:	..... 7-gauge steel plate (flat)
» Walls:	..... 10-gauge steel plate
» Tailgate (door):	..... 10-gauge steel plate
» Bulkhead:	..... 10-gauge steel plate
» Roof deck:	..... 3/16" Diamond plate
» Center Wall:	..... 10-gauge double sided w/3" inner channel
» False Floor:	..... <u>Bottom layer:</u> FRP grating <u>Mid layer:</u> Polypropylene netting (0.275" opening) <u>Top layer:</u> Polypropylene netting (0.0625" opening) All supported by C3x4.1 A36 channel

**FILTER MEDIA**

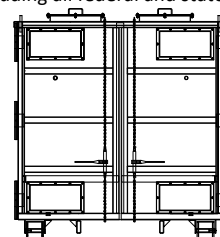
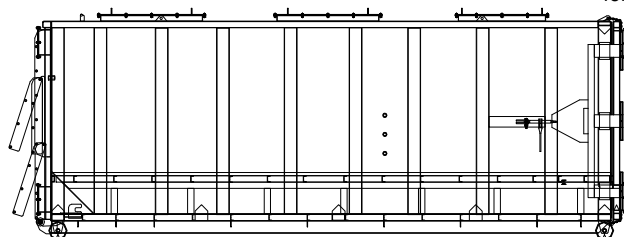
» Types:	..... ▶ Activated Carbon ▶ Specialty Media
» Volume:	..... 24.9 cu. yds. of media volume (672 cu. ft.); 36 cu. yds total volume above false floor; 46 cu. yds. total container volume.
» Weight*: (*Media dependent)	..... 20,000 lbs. – 40,000 lbs.

**FEATURES**

» Inlet / Outlet:	..... 12"x24" flanged duct ports; four each on front and rear of the box.. Two ports are mounted high and two ports are mounted low (below false bottom).
» Roof Openings:	..... Six 24"x48" flanged openings with lids held by 12 - ½" bolts, washers and nuts
» Interior Surface:	..... Lined with a chemical-resistant coating
» Sample Ports:	..... - Four 1" stainless steel half nipple in front and rear wall (split to each side of partition). - Four 1" couplings in floor at outer corners. - Six 1" sample ports (three on each side of the box).
» Door:	..... Adjustable hinge side swing
» Rollers:	..... 8-5/8" x 8" wide; front and rear.
» Door Gasket:	..... Buna N Hose
» Nose Rollers:	..... 4" diameter x 6" wide
» Hook-up style:	..... Standard doghouse front hook at the nose rollers
» Ladder:	..... Two-section hinged foldup on bulkhead end

**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 requirements.



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