

PCA Series

Packed Column Air Strippers



Features & Specifications

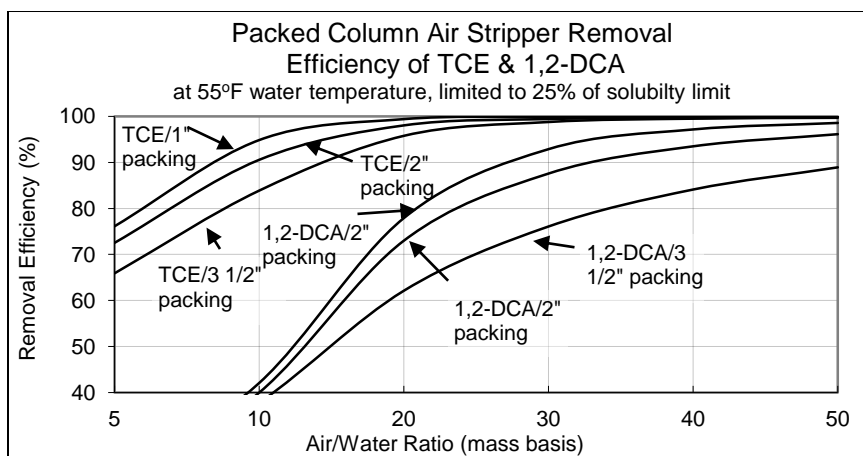
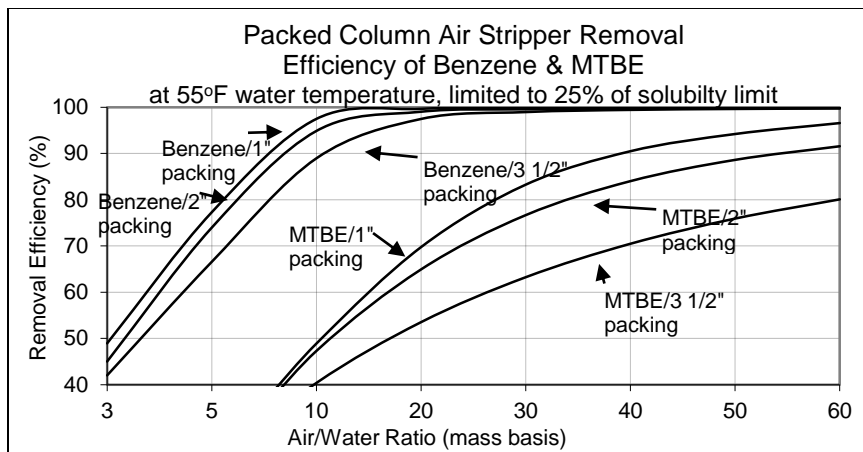
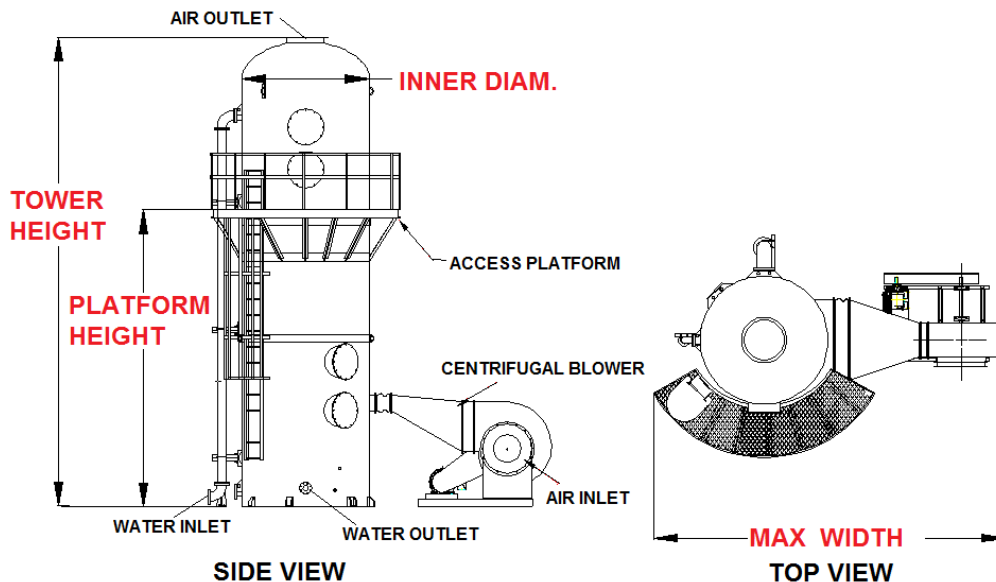
- Fiberglass reinforced plastic construction with spiral wound shell, isophthalic resin & type E glass
- Pump out or gravity drain sump discharge
- Various configuration and sizes of random packing media available, NSF std 61 certified
- Centrifugal blower operating under forced or induced draft, special coating available
- (4) 18" – 24" diameter manways for packing, sump and distributor access
- Free standing or guy wired tower designs
- Exterior gelcoat finish with UV inhibitor for outdoor durability, various colors available
- FRP packing support grate for low pressure drop. Support beams as necessary
- V-notch trough distributor constructed of polypropylene, FRP or stainless steel for low pressure drop and fouling resistance
- 125 lb flanged influent & effluent connections with conical gussets
- Flanged air inlet with diffuser for distribution
- 2" PVC Sump level site glass with flange connections for easy removal
- Stainless steel hermetically sealed float rod assembly (single or multiple floats for pump control)
- 304 Stainless steel flange and manway hardware
- (4-12) Anchor feet to withstand wind & seismic loads as required
- 6" Thick polypropylene demister pad with 40° minimum disengagement height above pad, demister pad support grate
- Optional air filter with polyester element sized for specific blower, housed in separator (polyester element standard)

Applications

- Removal of dissolved volatile organic compounds (VOC's) from water
- Drinking water for dissolved VOC's
- Groundwater /wastewater treatment
- Removal of dissolved Gasoline Range Organics (BTEX compounds), DRO & other hydrocarbons from water (including MTBE)
- De-gasification (CO₂ removal)
- Removal of dissolved chlorinated organic compounds from water (TCE, PCE, TCA, DCA...)
- H₂S removal
- Decarbonation/Decarbonator

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Model Number	Liquid Flow Range, GPM	Tower Diameter Feet	Height Feet	Packing Volume (for 30' packing height) Ft ³	Standard sump holding capacity Gallons	Loaded Weight Lbs.	Operating Weight Lbs.
PCA-1.5	1-50	1.5	43	50	80	562	1,350
PCA-2	5-100	2	43	100	140	1,020	2,800
PCA-3	10-250	3	44	220	317	1,825	5,800
PCA-4	25-450	4	46	390	564	2,913	10,000
PCA-5	40-700	5	47	610	881	4,031	15,000
PCA-6	60-1,000	6	47	870	1,269	5,302	21,200
PCA-8	100-1,800	8	48	1,550	2,256	9,145	37,500
PCA-10	160-2,700	10	50	2,430	3,525	12,990	57,000
PCA-12	225-4,000	12	51	3,490	5,076	16,850	74,600



Options

- Vinyl ester resin
- Multi-beam gas injection support plates, FRP or stainless steel
- Re-distributor with intermediate packing support
- Catwalk/mezzanine with railing, toeplates and caged access ladder, per OSHA requirements
- High wind loading and/or seismic zone 4 requirements
- Sump heat trace or immersion heaters for classified or non-classified electrical areas for freeze protection
- Induced draft blower configuration for humidity
- Sump R-5 insulation with jacket, (FRP or aluminum jacket)
- Orifice plate, spray nozzle or PVC hub and lateral distributors for varying flow conditions
- Guy wire kit with dead end grips and turnbuckles
- Off gas ducting, FRP, PVC, coated or hot dipped galvanized steel construction
- PE stamped design calculations for many states
- Flow, pressure, level & temperature gages or transmitters
- Hinged manways, flanged or NPT inlet and outlet connections or additional manways

Additional Photos

