

Air-Cooled (Fin-Fan) Heat Exchanger Model



Model: 283

DAC Worldwide's Air-Cooled (Fin-Fan) Heat Exchanger Model (283) displays a scale version of an air-cooled, fin-tubed heat exchanger used in refineries, petro-chemical plants, gas treating plants, power plants, and more. Air-cooled heat exchangers (ACHE), also called fin-fans or air coolers, cool or condense hot fluid in industrial process applications by passing ambient air over and between tubes used to move the fluid. The heated air is then discharged into the atmosphere.

This petrochemical training system demonstrates in high fidelity the operating principles, construction, and basic maintenance air-cooled heat exchangers. Components shown in great detail include fin-tubes, fan blades, fan ring, shrouds, drive assembly with motor, header boxes with cover plates and pass partitions, plenum/cowling, flanged connections, support structure, as well as secondary vent and drain connections. This model includes two segments, one depicting an induced-draft arrangement, and a second depicting a forced-draft arrangement.

FEATURES & SPECIFICATIONS

- Exact scale construction throughout
- Formed-steel and brass support structure, simulating a process pipe rack
- Primary model components fabricated from acrylic, ABS, and cast urethane
- Two complete heat exchanger assemblies depicting both forced-draft and induced-draft designs
- Heat exchanger detail including; fin-tubes, tube supports, fan blades, fan ring, drive assembly, header boxes (both plug and cover plate types shown) with cover plates, tubesheets and partitions, header box gaskets, plenum/cowling, side frame, flanged process connections, vent/drain connections, side-frame structure, tube keepers, lifting lugs, and secondary vent/drain connections
- Cutaway showcasing representative fin-tubes
- Representative color-coding
- PVC baseplate, allowing for desktop use or for mounting on related DAC support and display structures

PRODUCT DIMENSIONS

- 24-in. L x 13-in. W x 14-in. H (600 x 330 x 350 mm)
- 20lbs. (9kg)

OPTIONS

- Recommended #902V Mobile Display Stand

Address

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