D-VAC Sales Inc.

HVAC Manufacturer's Representive

NEWS & MORE

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Industrial Duty Air Cooled Chillers

D-VAC Sales Inc. Air Cooled Chillers are the perfect solution, for any application:

- **Plastics & Rubber:** presses, injection molding, extrusion (sheet & profile), blow molding, thermoforming, PET
- **Lasers**: cutting, welding, profiling, optics, medical, engraving
- **Food & Beverage:** confectionary, bakeries, distilleries, breweries, wineries, dairies, bottling, carbonation, meat and fish processing, vegetable and salad processing, storage
- **Chemical & Pharmaceutical:** jacketed vessels, polyurethane foam mixers, natural gas, industrial cleaning, laboratories, healthcare, solvents, paints, photo processing, oil cooling
- **Metal Working:** processing and transfor- mation of precious metals, aluminum working and processing
- **Mechanical & Engineering:** machine tools, welding machines, rolling mills, presses, extruders, cutting, profiling, polishing, electric spark machinery, hydraulic control unit oil cooling, pneumatic transport, heat treatment
- **Paper & Related Applications:** printers, cardboard, labels, plastic film
- **Other Applications:** ceramics, textiles, wood, rental, air compressor cooling, concrete batch plants, semi-conductor testing, military, mri cooling, dynamometer, furnace

Features

Pump

- A 43 psi pump, standard on all models, is mounted within the chiller itself. Various other pump options are available. Centrifugal pumps are fitted (from 015), models 015-251 feature a stainless steel water-side.

Advanced Microprocessor

- The microprocessor (from M05) offers icon messages and a digital water outlet temperature reading. Up to 10 alarms are offered, plus extensive programming to individual needs. An alarm history, volt free general alarm contact and protective plastic cover are standard from model 015.

Compressor

- Piston (M03 and 015-051), rotary (M05-10) or scroll (from 81) compressors are utilized. Scroll compressors offer reduced energy consumption, low vibrations, less moving parts and high resistance to liquid refrigerant returns.

Condensing Section

- Air-cooled condensers (copper tubes/aluminum fins) are fitted on one side only, reducing space needs. A pre-filter is standard (from 031). Water-cooled models feature a plate (015-020), co-axial (031-161) or shell and tube (201-602) configuration.General chiller's condenser maximizes efficiency in the heat pump mode, when it inverts to an evaporator function.

Evaporator-in-tank Configuration

- The innovative evaporator-in-tank configuration (co-axial copper coil with stainless steel tank on M03-10, finned aluminum/copper coil with carbon steel tank from 015), allows operation even with impure liquids. Unit dimensions are reduced, and a steady water temperature is ensured as the evaporator also cools the tank itself. Ambient heat gain is reduced, increasing efficiency. Choose between atmospheric pressure or (from 015) pressurized (max 87 psig) operation, with matching fill kits. Bleed and drain valves and a water level sensor are fitted (from 015); the water by-pass and antifreeze warning ensure fail-safe operation. The oversized evaporator design improves efficiency and reduces pressure drops. The tank is insulated and removable.

Multiple components

- Units with 2 compressors (from 201) or 4 compressors within 2 circuits (from 402) feature compressor rotation and a compressor unloading function which improves operation in harsh conditions. Models from 402

H2O CHILLER TM

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