



TRANE-FILTRINE CHILLER - GE SIGNA HDx 1.5T, HDxt1.5T, HDI 1.5T, Vibrant 1.5T and CONTOUR/i 0.5T MRI



FEATURES

- Uses HFC "Ozone Safe" Refrigerant
- Optional Anodized Aluminum & Stainless Steel Exterior for a Lifetime of Service
- "Space Saving Design" -SSD Models Available
- "Low Profile" -LP Model Available

DESCRIPTION

A closed loop, packaged chiller designed specifically to cool GE SIGNA HDx 1.5T, HDxt1.5T, HDI 1.5T, Vibrant 1.5T and CONTOUR/i 0.5T MRI, to recirculate a clean coolant at a constant temperature, pressure and flow. Ideal for all installations where a dependable source of clean cooling water is not available.

Filtrine TPCP chillers use a storage-type cooling tank, with immersion coil evaporator, to provide close temperature control of recirculating coolants. The tank is sealed to prevent coolant evaporation or fouling, and supplied with a liquid level gauge, fill port and clean out. The pump recirculates the coolant at a constant temperature, pressure and flow.

AVAILABLE IN FIVE STANDARD CONFIGURATIONS

A: Self-contained air cooled model should be installed in a well ventilated room. **W:** Water cooled model may be installed in a nonventilated room but requires a source of condenser cooling water. **AR:** Remote air cooled model may be installed in a nonventilated area with the condenser mounted outdoors. **A-WP:** Weather-resistant model would be installed completely outdoors. **ARC:** Evaporator and pump installed indoors with outdoor refrigeration system. Glycol free. *For options on this chiller see Bulletin Q & A.*

FILTRINE IS ISO 9001-2008 REGISTERED
PRODUCT LINE  APPROVED  MARK AVAILABLE

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MODEL TPCP-200-33 Series WELED HERMETIC COMPRESSOR

SPECIFICATIONS:

Cooling Capacity:	
Btu/hr	28,320
Watts	8,300
Rating Conditions:	
Ambient Discharge Temperature	60°F [16°C]
Ambient Air Temperature	90°F [32°C]
Condensing Unit: Compressor HP	2-3/4
Description: Lifetime lubricated hermetic compressor with condenser as specified [see options below] supplied with high/low pressure stat, anti-migration solenoid valve, head and suction gauges, thermostatic expansion valve, refrigerant sight glass and dehydrator. Condenser Options [see back for further details]:	
-A Self-contained air cooled condenser.	
-W Water cooled condenser.	
-AR Remote air cooled condenser.	
-A-WP Weather-resistant for outdoor installation.	
-ARC Split system w/remote air cooled condensing unit.	

Cooling Tank & Evaporator: Capacity 20 Gals. [76 L]

Construction: Welded stainless steel shell with stainless steel immersion coil evaporator. Tank tested at 250# for 125# working pressure, supplied with drain connection and insulated with closed cell thermo-elastomer with an R factor of 3.7.

Pump: Motor HP 1/2

Capacity 2.5 GPM @ 45 PSI [9.5 lpm @ 3 bar]
Description: All bronze turbine pump mounted on a rubber pad over a stainless steel condensation tray and supplied with unions and service valves and a pressure relief by-pass valve. All piping and fittings brass, copper or bronze, and insulated with closed cell thermo-elastomer with an R factor of 3.7.

Adjustable Differential Thermostat: 40° to 90°F [4° to 32°C]

Temperature Stability ±1.5°F [0.8°C]
CABINET: Enameled aluminum panels with stainless steel corner legs on a welded angle iron frame. Panels removable without tools for access to all components.

Supply Power: 208-230/60/3 or 460/60/3*

Full Load Amps 13 or 7
NOTE: FLA may vary depending on options. See MCA and MOP ratings on as-built unit.

* Additional voltages and 50 HZ available.. *please consult factory*

Plumbing Connections In & Out 3/4" [19mm] MPT
Decibel Rating [nominal at 5 ft.] 72dBA
Shipping Weight: Chart on reverse

"FAIL SAFE" OPTIONS [Designated by suffix]

- DPA **DUAL PUMPS:** Automatic switchover to backup pump on loss of coolant flow.
- LL **LOW LEVEL INTERLOCK:** Float switch in tank lights a warning light if coolant level drops below safe low limit.
- LF **LOW FLOW INTERLOCK:** Flow switch lights a warning light if flow rate drops below safe low limit.
- HT **HIGH TEMPERATURE INTERLOCK:** Thermostat lights a warning if coolant temperature rises above safe high limit.
- AS **AUTOMATIC SWITCHOVER TO CITY WATER:** In case of pump or compressor failure, city water switchover solenoids are activated to allow for temporary cooling using city water.



T607-2GE5
[TPCP-200-33]
REV C 09.29.11

CHILLER DIMENSIONS & WEIGHTS

TRANE-FILTIRINE MODEL NUMBER	W				D				H				SHIP WT	
	in	cm	in	cm	in	cm	in	cm	in	cm	in	cm	lb	kg
TPCP-200-33-A	48	122	27	69	45	114								
TPCP-200-33-W	48	122	27	69	45	114								
TPCP-200-33-AR	48	122	27	69	45	114								
TPCP-200-33-WP	48	122	27	69	48	122								
TPCP-200-33-WP-LP*	70	179	59	150	30	72							700	315
TPCP-200-33-A-SSD**	27	69	27	69	74	188								
TPCP-200-33-W-SSD**	27	69	27	69	72	183								
TPCP-200-33-AR-SSD**	27	69	27	69	72	183								

* Low profile, weather-resistant unit for installation on rooftop.

NOTE: Airflow and water connection locations on low profile units vary from standard WP models. Contact factory for details.

** Space Saving Design.

NOTE: Chiller dimensions and shipping wts. may vary depending on options.

STANDARD CONDENSER OPTIONS

A SELF-CONTAINED AIR COOLED CONDENSER:

With a lifetime lubricated welded hermetic compressor.

WATER COOLED CONDENSER:

Same specifications as self-contained air cooled models with water cooled condenser for hookup to city or tower water.

AR REMOTE AIR COOLED CONDENSER:

Same specifications as self-contained air cooled models but with weather-resistant air cooled remote condenser furnished separately for mounting outdoors in ambients up to 109°F. For higher ambients, see HA options.

Consult factory for condenser specifications.

A-WP WEATHER-RESISTANT - OUTDOOR INSTALLATION:

Same specifications as self-contained air cooled models, but packaged for outdoor installation. [Not available in space saving design models.]

A-WP-LP WEATHER-RESISTANT - OUTDOOR INSTALLATION

-LOW PROFILE:

Same specifications as weather-resistant model above but in low profile design for mounting on roof.

GLYCOL-FREE CONDENSER OPTIONS

ARC REMOTE AIR COOLED:

Split system, indoor evaporator and pump with remote air cooled condensing unit for outdoor installation.

STANDARD OPERATING CONDITIONS

OUTDOOR AMBIENT:

-20° to 100°F [10° to 38°C]

OPTIONAL OPERATING CONDITIONS:

OUTDOOR AMBIENT:

Up to 110°F [43°C]

Up to 120°F [49°C]

NOTE: Higher ambient options may affect unit dimensions.

START-UP and FIRST YEAR SERVICE

FILTIRINE Mfg. Co. provides start-up and first year service on all parts and labor. Regular maintenance on a yearly contract basis is a wise investment and will prevent costly downtime.

WARRANTY

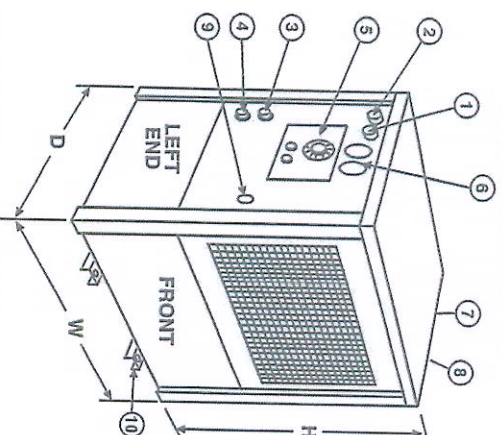
All parts are covered FOB jobsite for (12) months from the start date or (15) months from date of shipment or whichever comes first.

SERVICE MAKES THE DIFFERENCE

Recognizing that downtime on critical medical equipment is unacceptable, Filtrine has established a national network of qualified service technicians, selected because of their extensive experience working on medical equipment chillers and their location within the "Emergency Response Zone" (approximately 40 miles). This expert and quick service is available on an 8/5 or 24/7 basis for all Filtrine medical chillers and heat exchangers.

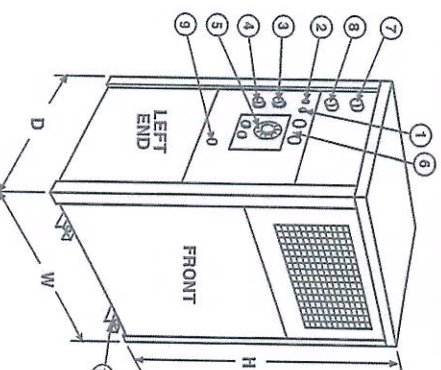
STANDARD MODELS

Suffix: A, W, AR & A-WP



SPACE SAVING DESIGN [SSD] MODELS

Suffix: A-SSD, W-SSD & AR-SSD



LEGEND

1. Air Vent
2. Fill Port
3. Coolant Return
4. Coolant Discharge
5. Control Panel
6. Electrical Connection
7. To Remote Condenser [AR models]
8. From Remote Condenser [AR models]
9. Condenser Water In [W models]
10. Channel Skids

VENTILATION PANELS

Standard models — air intake at rear, air discharge at right end on A & WP models. Manufacturer recommends 24 inch minimum clear space opposite all ventilation panels.

REMOVABLE SERVICE PANELS

Front & rear on all models. Manufacturer recommends 36 inch clearance at front for service.

CHANNEL SKIDS

Allow an additional 4" [10cm] to depth and 2" [5cm] to height for channel skids. Center of 5/8" [16mm] mounting holes located 6" [15cm] from chiller end and 1" [2.5cm] from chiller edge front and rear.

NOTE: Drawings are composites of various models to demonstrate plumbing locations. Confirm footprint with factory.

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