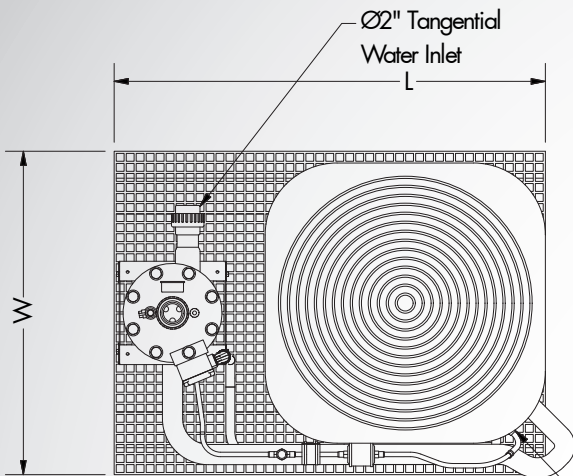


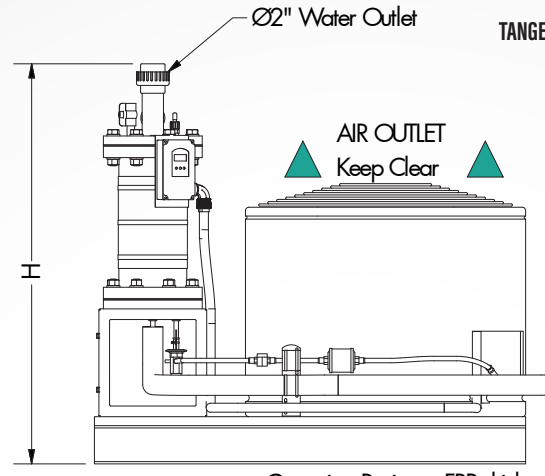


HYDROMARINE HEAT PUMP 1.5 - 5.0 TONS

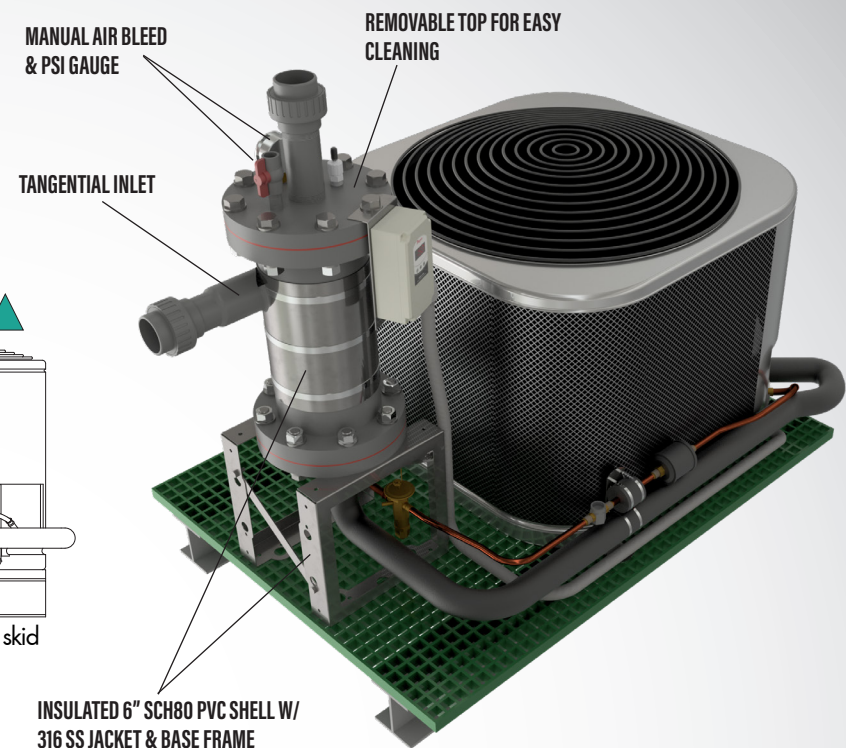
TITANIUM HEAT EXCHANGER FOR USE IN ALL AQUATIC CHILLING/HEATING APPLICATIONS



PLAN VIEW



FRONT VIEW



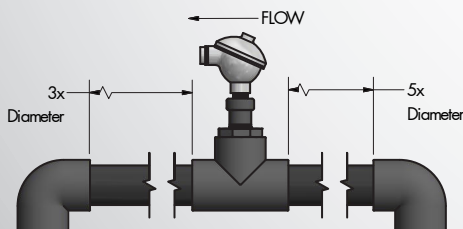
| MODEL NUMBER | SPECIFICATIONS | | | | DIMENSIONS | | | POWER OPTIONS | | |
|--------------|------------------------|------------------------------|-------------------|------------------------|------------|-----------|-----------------|----------------------|----------------------|------------------|
| | Nominal Tonnage / BTUH | Vertical Air Discharge (CFM) | Δ PSI at max flow | Water Flow Range (GPM) | Length (L) | Width (W) | Max. Height (H) | 208-230V / 1 ph. MCA | 208-230V / 3 ph. MCA | 460V / 3 ph. MCA |
| DH-HP-1.5 | 1.5 / 18 000 | 1700 | <5 | 30 - 100 | 48" | 35" | 49" | 11.8 | n/a | n/a |
| DH-HP-2 | 2.0 / 24 000 | 2195 | <5 | 30 - 100 | 48" | 35" | 49" | 14.2 | n/a | n/a |
| DH-HP-2.5 | 2.5 / 30 000 | 3165 | <5 | 35 - 100 | 48" | 35" | 49" | 18.3 | 13.6 | n/a |
| DH-HP-3 | 3.0 / 36 000 | 3365 | <5 | 35 - 100 | 48" | 35" | 58" | 20 | 14.1 | 7.9 |
| DH-HP-3.5 | 3.5 / 42 000 | 3365 | <5 | 50 - 120 | 48" | 35" | 58" | 14 | 18.4 | n/a |
| DH-HP-4 | 4.0 / 48 000 | 3800 | <5 | 50 - 120 | 48" | 35" | 58" | 25.2 | 18.7 | 8.5 |
| DH-HP-5 | 5.0 / 60 000 | 4470 | <5 | 60 - 120 | 48" | 35" | 58" | 32 | 21.1 | 10.4 |

*MCA is the highest steady-state electrical current that the unit should see when operating correctly

*Nominal Tonnage based on entering water temperature of 70°F

FLOW SWITCH NOTE:

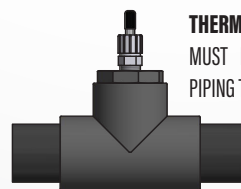
FLOW SWITCH MUST BE INSTALLED HORIZONTALLY ON INLET OF HEAT EXCHANGER, WITH MINIMUM STRAIGHT PIPE DISTANCES BEFORE AND AFTER AS SHOWN IN DRAWING. OPTIONAL FACTORY MOUNT & WIRE.



FIELD INSTALLED FLOW SWITCH

THERMOWELL NOTE:

MUST BE INSTALLED ON INLET PIPING TO HEAT EXCHANGER.



THERMOWELL

NOTES:

- Gr.2 TITANIUM TUBE HEAT EXCHANGER COIL
- NORMAL OPERATING AMBIENT AIR TEMPERATURE: 50 F - 115 F
- ALL CONDENSING UNITS HAVE A 14 SEER RATING.
- TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR 48 INCHES MINIMUM
- AVOID PLACING UNIT IN DIRECT AREA OF ROOF RUNOFF OR CONSTANT WATER FLOW
- CONSULT *CARRIER* SPECIFIED CONDENSER CLEARANCES WHEN PLACING UNIT(S)
- SCH 80 PVC SHELL CONSTRUCTION WITH REMOVABLE FLANGED ENDS
- ALL 316 SS BASE, JACKET AND HARDWARE
- TEMPERATURE CONTROLLER CAN BE SET +/- 0.1° F/C. RECOMMENDED MINIMUM SETPOINT IS 45°F
- UNIT ARRIVES CHARGED WITH R-410A REFRIGERANT

OPTIONS:

- LOW AMBIENT HEAD PRESSURE SWITCH FOR OUTDOOR TEMPERATURES -0°F TO 55°F
- COMPRESSOR START ASSIST FOR APPLICATIONS WITH POSSIBLE LOW VOLTAGE ISSUES
- MARINE CONDENSER COATING FOR COASTAL APPLICATIONS
- FACTORY MOUNTED & WIRED FLOW SWITCH
- INLET ORIENTATION SPECIFIED AT TIME OR ORDER



Delta Hydronics

9100 Bolton Ave., Hudson, FL, 34667 (727) 861-2421 - info@deltahydro.com