



*It's All about Building a
Better Product for Our Clients!*

J&M Fluidics, Inc.
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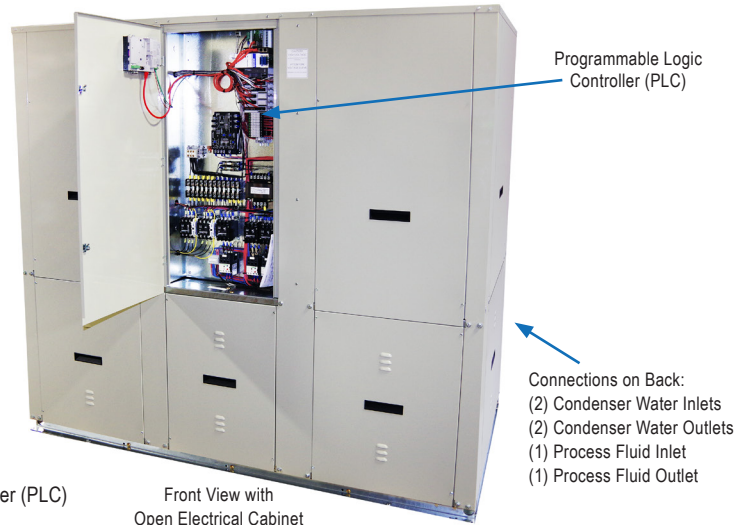
Model: PZWT15D

Packaged Water-Cooled 15 Ton Chiller



STANDARD ON ALL J&M MODELS:
Pentra Microsmart, Programmable Logic Controller (PLC)
with HMI Touch Screen Display.

with Stainless Steel Tank



Front View with
Open Electrical Cabinet

Programmable Logic
Controller (PLC)

Connections on Back:
(2) Condenser Water Inlets
(2) Condenser Water Outlets
(1) Process Fluid Inlet
(1) Process Fluid Outlet

Standard Features:

- ETL listed to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011
- Single Point Power Connection
- Pentra Microsmart, Programmable Logic Controller (PLC) with easy to use HMI touch screen display
- Data Recording Memory Card
- **STAINLESS STEEL**, brazed plate evaporator
- Scroll compressor with crankcase heater
- Suction Accumulator
- Water flow switch
- Hot Gas Bypass Capacity Control
- 24V control transformer
- Control circuit fusing
- Condenser(s): Coaxial up to PZW22D
- Compressor motor contactor
- **Painted - Powder Coated (Most Models), galvanized sheet metal cabinet**
- 1/2" insulation on all water and refrigerant lines
- Liquid line drier, sight glass, solenoid, TXV
- Complete refrigerant charge from factory
- **Factory Performance Test prior to shipment**



Tank

- **STAINLESS STEEL** storage tank with 1/2 inch insulation
- Fused, **STAINLESS STEEL** re-circulation pump for tank operation with ball valve and cleanable strainer
- Tank pressure relief valve, vent and drain hose bibs



*Easy to Use
Touch Screen Display
on ALL J&M Chiller
Models*

Options:

- Copeland Digital Scroll Compressor
- Remote Idec touchscreen control panel
- Industrial VPN Router
- 5 Port Ethernet Switch
- BacNet Gateway
- Process Pump VFD Controller
- VFD Compressor Control
- 4 year extended compressor warranty
- Casters (factory mounted)
- Condenser water regulating valve
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase Monitor, line voltage monitor offering protection against phase loss/reversal, unbalance and hi/lo voltage
- Compressor fusing
- Compressor Sound Cover
- Factory installed evaporator heat tape freeze protection
- Low flow by-pass valve
- Fused, STAINLESS STEEL process pump
- Dual system pump with manual changeover (some models)
- Dual system pump with auto changeover (some models)
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- Auto city water changeover panel with filter
- Stainless steel, SCH80 PVC or Polypropylene piping for deionized and reverse osmosis water systems
- Door Mounted HMI with weather proof cover

Tank Options

- Storage tank sight glass
- Tank low liquid level indicator with dry contacts

J&M FLUIDICS, INC. – PRODUCT DATA SHEET



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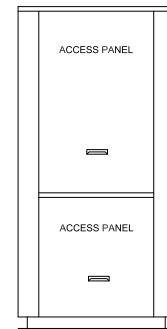
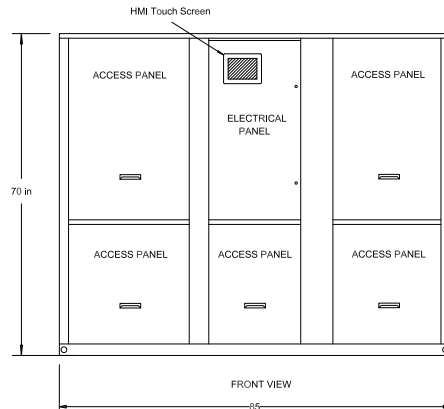
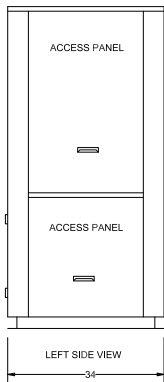
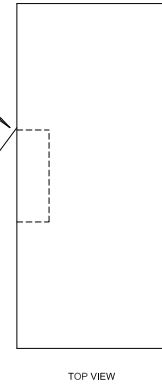
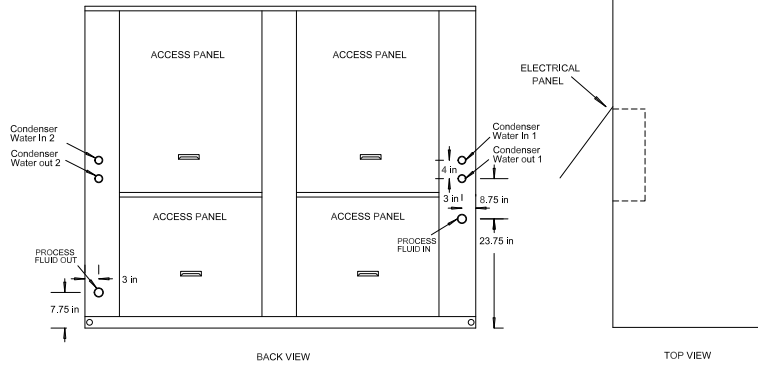
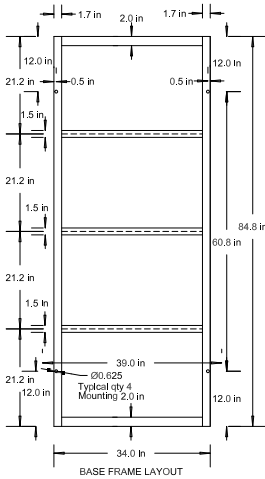
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Packaged Water-Cooled 15 Ton Chiller

Product Dimensional Drawing

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with Stainless Steel Tank



Dimensional & Electrical Table (Dual Circuit)

| Chiller Models | Length Inches | Width Inches | Height Inches | Power | | | Compressor | | RLA ea. | LRA ea. | Recirculation Pump FLA | MCA | M.O.P | Reservoir Gal. | Chiller Fluid Conn. | Weight Pounds |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|------------------------|-----|-------|----------------|---------------------|---------------|
| | | | | Voltage | Phase | Freq. | Qty. | HP | | | | | | | | |
| PZWT15DF5 | 85 | 34 | 70 | 208/230V | 3 | 60Hz | 2 | 9 | 30.1 | 225 | 5.0 | 80 | 100 | 120 | 1.25" FPT | 1400 |
| PZWT15DH5 | | | | 460V | 3 | 60Hz | | | 15.5 | 114 | 2.5 | 30 | 50 | | | |
| PZWT15DI5 | | | | 575V | 3 | 60Hz | | | 12.1 | 80 | 1.8 | 30 | 40 | | | |

Capacity Table (Refrigerant R407C)

| Model | Compressor | LWT °F | 105°F Condensing | | |
|-------|------------|--------|------------------|------|------|
| | | | TONS | KW | EER |
| 15D | ZB66KCE | 42.0 | 13.4 | 13.4 | 14.2 |
| | | 44.0 | 14.0 | 13.4 | 14.7 |
| | | 45.0 | 14.4 | 13.4 | 15.0 |
| | | 50.0 | 16.0 | 13.6 | 16.6 |

* = Requires the use of glycol.

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