



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

J&M Fluidics, Inc.
851 Tech Drive
Telford, PA 18969
Toll-Free: (888) 539-1731
Fax: 267-203-8786

Model: PZWT1.5S

Packaged Water-Cooled 1.5 Ton Chiller

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

with Stainless Steel Tank



Front/Side
View

User-Friendly
Touch Screen
Display



Front View

Programmable Logic
Controller (PLC)

Condenser
Water Inlet

Condenser
Water Outlet



Back/Side
View

Process
Fluid Inlet

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
- 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
- Condenser(s): Shell and Tube PZW26D through PZW52D
- 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
- Tank City Water Makeup
- 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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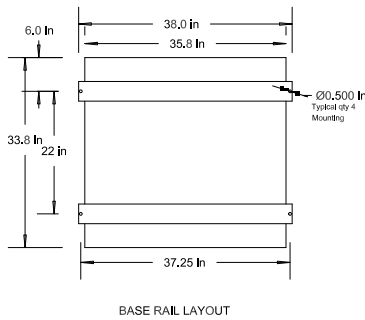
Model: PZWT1.5S

Packaged Water-Cooled 1.5 Ton Chiller

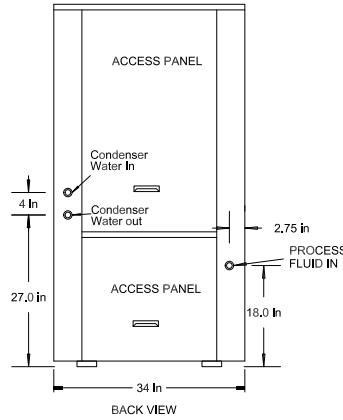
Product Dimensional Drawing

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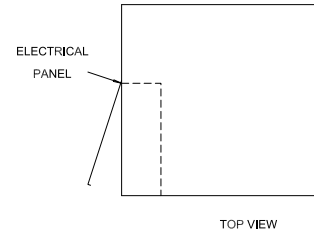
with Stainless Steel Tank



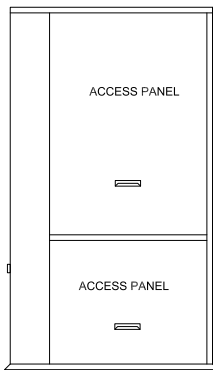
BASE RAIL LAYOUT



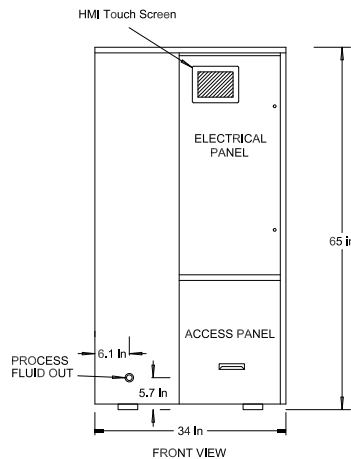
BACK VIEW



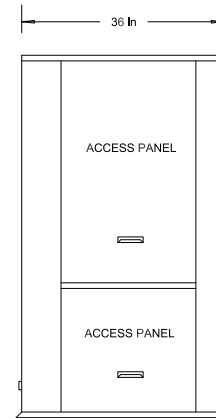
TOP VIEW



LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW

Dimensional & Electrical Table (Single Circuit)

Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA ea.	LRA ea.	Recirculation Pump	MCA	M.O.P	Reservoir Gal.	Chiller Fluid Conn.	Weight Pounds
				Voltage	Phase	Freq.	Qty.	HP								
PZWT1.5SE5	36	34	65	208/230V	1	60Hz	1	2	13.5	68	4.2	25	30	20	1" FPT	500
PZWT1.5SF5				208/230V	3	60Hz			8.0	58	4.2	15	20			
PZWT1.5SH5				460V	3	60Hz			4.2	29	0.9	15	15			
PZWT1.5SI5				575V	3	60Hz			3.1	24	0.72	15	15			

Capacity Table (Refrigerant R407C)

Model	Compressor	LWT °F	105°F Condensing		
			TONS	KW	EER
1.5S	ZS15KAE	*42.0	1.61	1.73	12.7
		*44.0	1.68	1.72	13.3
		45.0	1.72	1.72	13.5
		50.0	1.90	1.69	15.2

* = Requires the use of glycol.