



Brewery Chillers



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

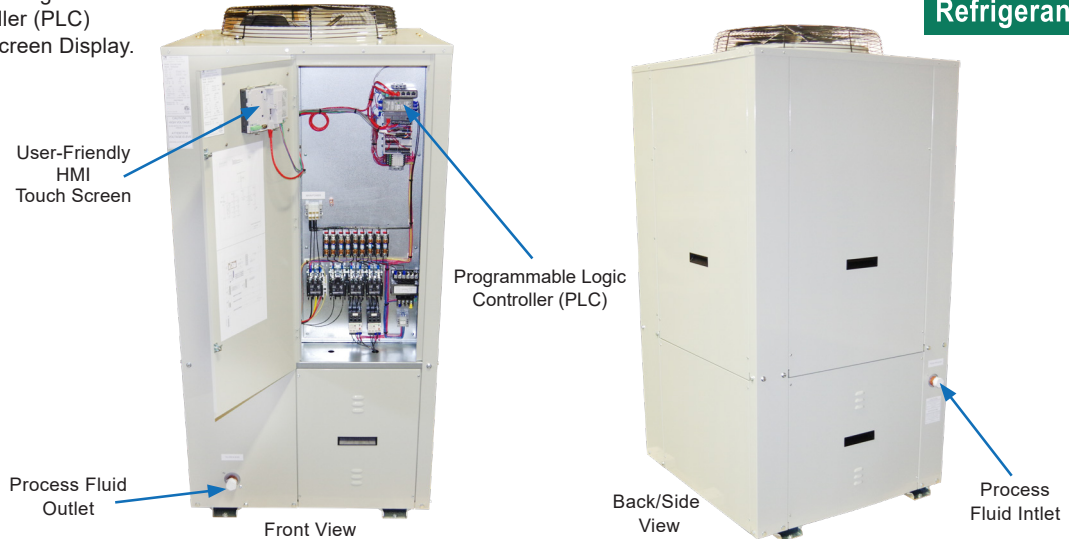
Model: **PZATB1S**

Packaged Air-Cooled 1 HP Brewery Chiller

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

with Stainless Steel Tank

**R454A
Refrigerant**



Standard Features:

- Conforms to UL 60335-2-40:2022 Ed.4
UL60335-1:2016 Ed.6
- CSA C22.2 # 60335-1:2016 Ed.2
- CSA C22.2 # 60335-2-40:2022 Ed.4
- Single point power connection
- Pentra Microsmart, Programmable Logic Controller (PLC)
with easy to use HMI touch screen display
- Door Mounted HMI with weather proof cover
- 5 Port Ethernet Switch (Chiller remote network access
control and Modbus capability)
- Remote SMTP services for email alerts
- STAINLESS STEEL Tank
- STAINLESS STEEL Process Pump
- Pump Isolation Valves
- Fused, STAINLESS STEEL evaporator pump
- STAINLESS STEEL, brazed plate evaporator
- Scroll compressor with crankcase heater
- Suction accumulator
- Liquid line drier, sight glass, solenoid
- Electronic expansion valve
- Manual high pressure cutout
- Fluid flow switch
- 24V control transformer
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fin
- Compressor motor contactor
- Condenser motor and control circuit fusing
- Painted (Powder Coat), galvanized sheet metal cabinet
- 1/2" insulation on all fluid and Low pressure refrigerant lines
- Complete refrigerant charge from factory
- Factory performance test prior to shipment



Options:

- Remote Idec touchscreen control panel
- BacNet Gateway
- Process Pump VFD Controller
- Condenser Fan VFD Controller
- Compressor VFD Controller
- 4 year extended compressor warranty
- Casters (factory mounted)
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase Monitor, line voltage monitor offering
protection against phase loss/reversal, unbalance
and High/Low voltage
- Compressor fusing
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure
control (-20°F)
- Water flow meter
- Low flow bypass
- Dual process pump with auto changeover
- Pump suction isolation valve
- Water pressure gauge set
- Coastal powder coat paint protection
- E-Coat Condenser Coil (coastal protection)
- Storage tank sight glass



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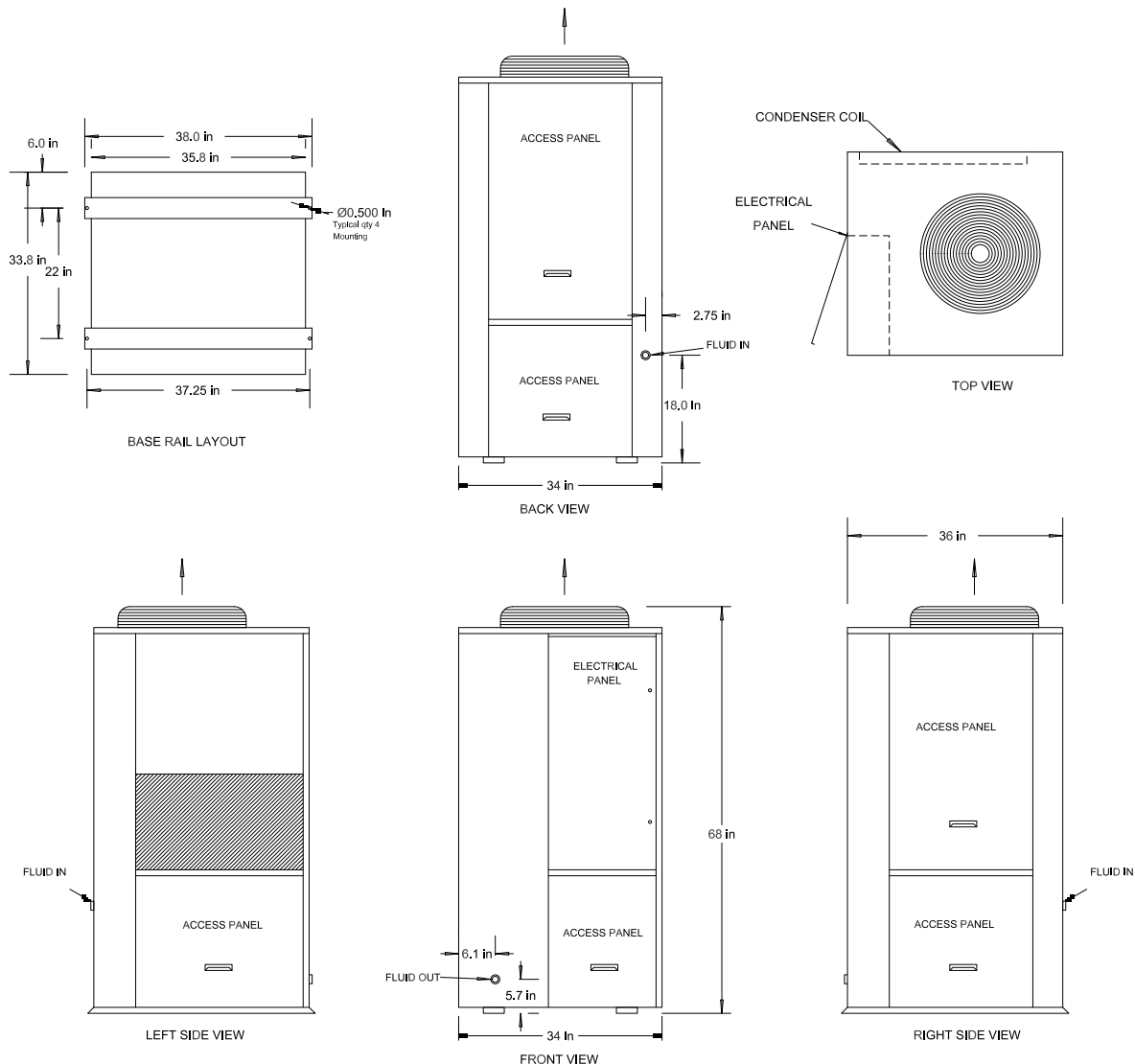
Packaged Air-Cooled 1 HP Brewery Chiller

Product Dimensional Drawing

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with Stainless Steel Tank

R454A
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Dimensional & Electrical Table (Single Circuit)

Chiller System	Brewery Model	Capacity (90°F Ambient)		Glycol Pump (HP)	Tank	Dimensions			Ship Weight	Operating Weight	Electrical Data			Glycol Fitting Connections
		28°F Glycol	33°F Glycol			Length	Width	Height			Voltage / Phase / HZ	MCA	MOP	
1 HP	PZATB1SE7	10200	11400	1	20	36	34	68	685	750	208/230-1-60	17	20	1 1/4"
	PZATB1SF7										208/230-3-60	14	15	
	PZATB1SH7										460-3-60	6	15	