

# Brewery Chillers

FLUIDICS

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

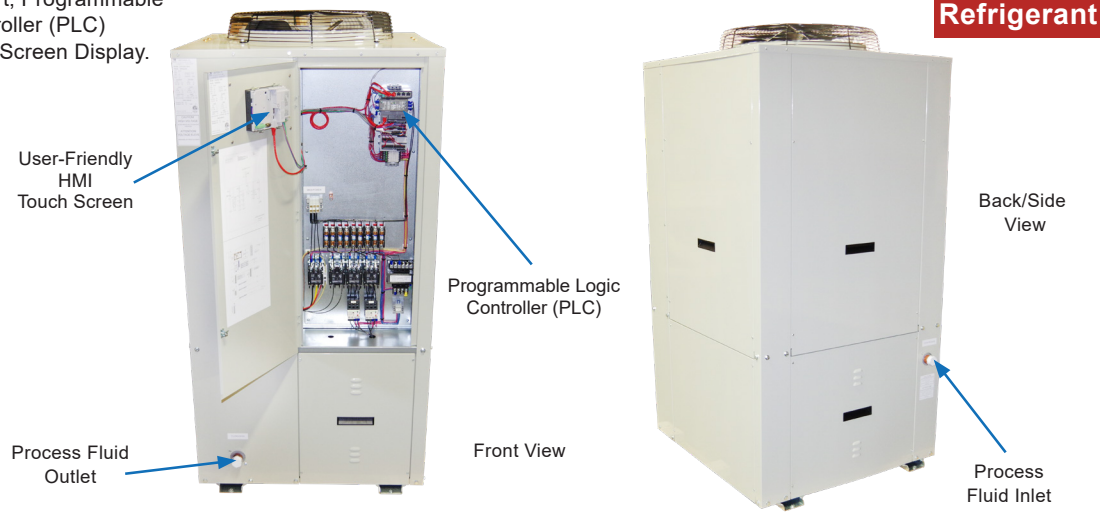
J&M FLUIDICS, INC. — PRODUCT DATA SHEET

## Model: PZATB3S

## Packaged Air-Cooled 3 HP Brewery Chiller *with* Stainless Steel Tank

**R454C Refrigerant**

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




## 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
- Tank recirculation pump
- **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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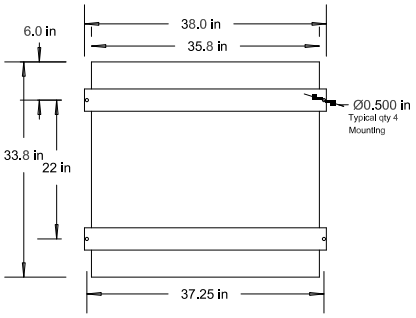
## Product Dimensional Drawing

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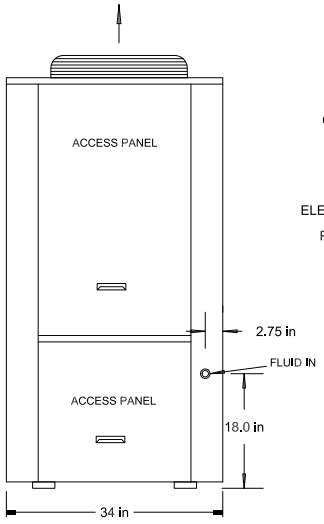
## *with* Stainless Steel Tank

**R454C Refrigerant**

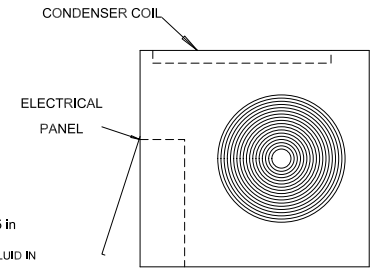
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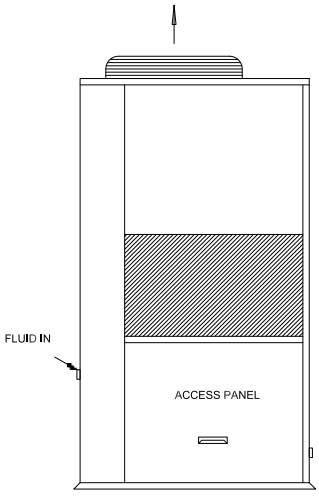

BASE RAIL LAYOUT



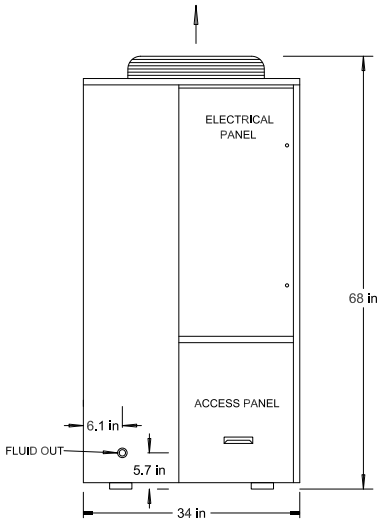

BACK VIEW



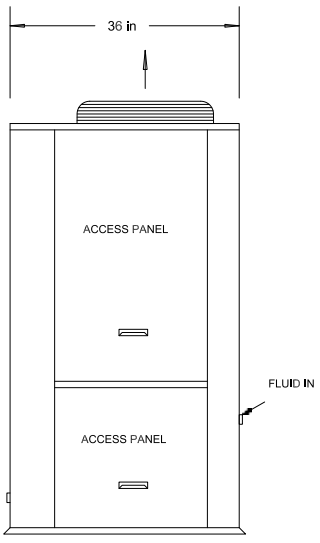

TOP VIEW




LEFT SIDE VIEW




FRONT VIEW




RIGHT SIDE VIEW

## 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 | |
| 3 HP | PZATB3SE8 | 26800 | 29900 | 1 | 20 | 36 | 34 | 68 | 690 | 755 | 208/230-1-60 | 34 | 50 | 1 1/4" |
| | PZATB3SF8 | | | | | | | | | | 208/230-3-60 | 23 | 35 | |
| | PZATB3SH8 | | | | | | | | | | 460-3-60 | 10 | 15 | |
| | PZATB3SI8 | | | | | | | | | | 575-3-60 | 9 | 15 | |

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