



Product Data

# Coolant Distribution Unit



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## Features and Benefits

- Up to 1,350kW cooling capacity
- Dual, hot-swappable VSD pumps
- 316SS plate heat exchanger
- Integrated ATS with controller supercapacitor
- 2-way E-PICV or 3-way control valve
- Dual 25µm filtration
- MODBUS TCP/IP, RESTful API, BACnet IP, SNMP
- Top/bottom piping, optional floorstand
- PN16 static pressure rating
- Unit grouping of setpoints, rotation schedules, and duty cycles across multiple units
- 7-inch color user interface displaying with live P&ID view
- Environmental monitoring w/ dew point control
- Temperature, pressure, and flow sensors across TCS and FWS loops
- ETL, CE and CSA certified

## Accessories and Option

- Floorstand (for bottom piping feed)
- Remote firmware upgrade
- Rope type leak sensor
- Pump dry run protection sensor



## Technical Information

**Table 1. Technical information**

Dry/operating/shipping weight	2,004 lb (911 kg) / 2,563 lb (1,165 kg) / 2,420 lb (1,100 kg)
Water temp range - FWS	50° F to 113° F (10° C to 45° C)
Power input	380~480 VAC, 50/60 Hz, 3 Phase 3 W+E
MOP / MCA / FLA	70A / 62.5A / 47A
Power consumption	23kW (11kW per pump)
Coolant volume (TCS)	20.85 gal (78.92 L)
Coolant volume (FWS)	31.50 gal (119.24 L)
Noise rating	<68 dBA noise rating from 3 m at full load

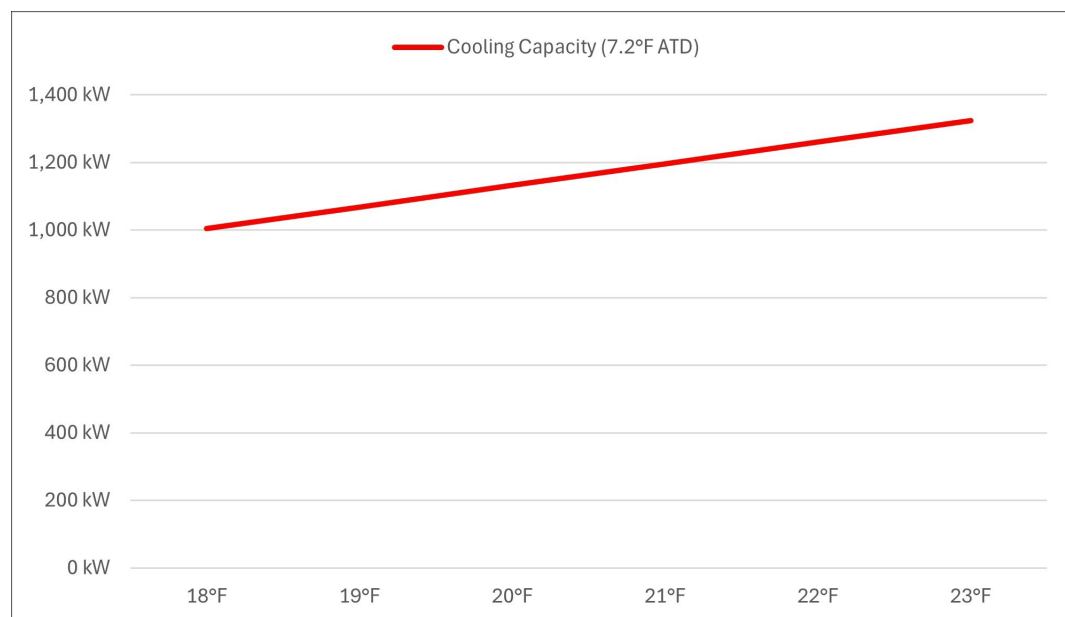


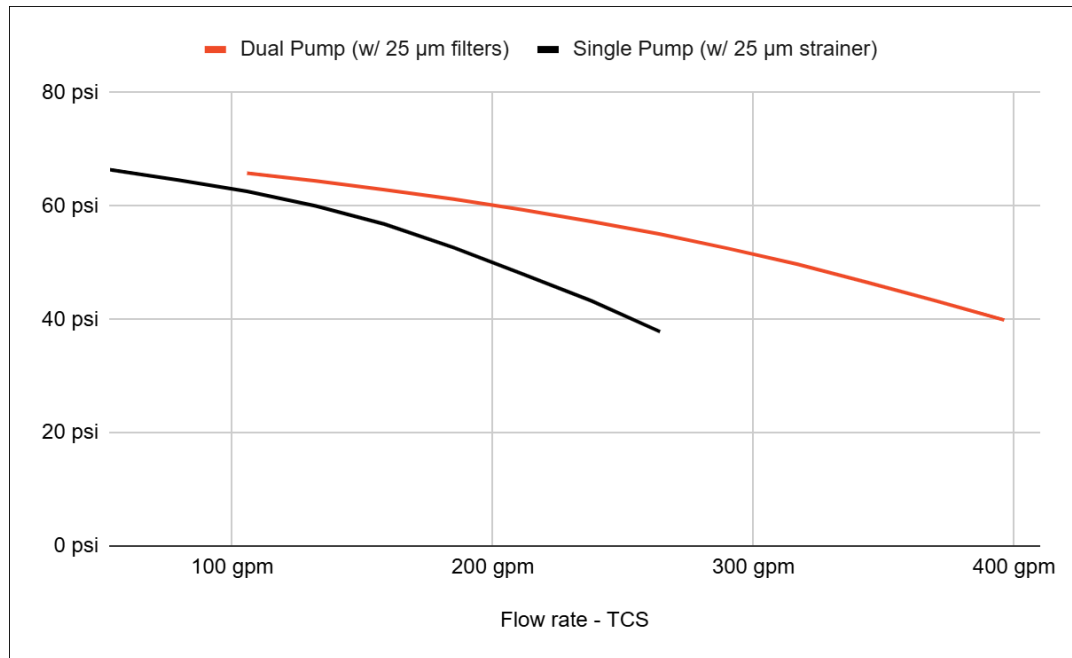
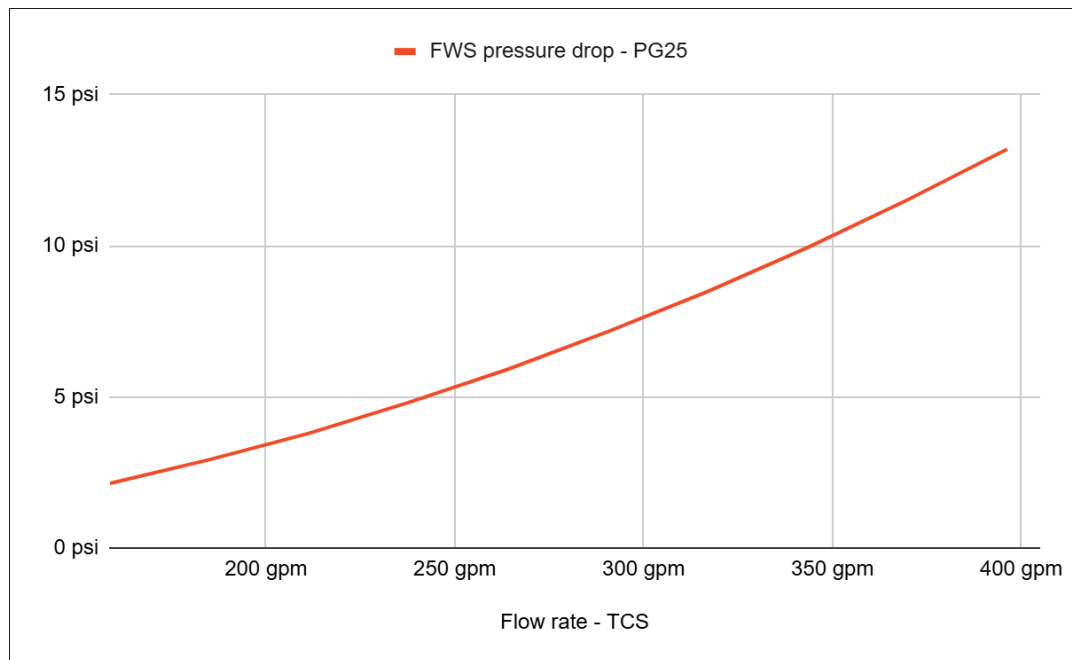
# Performance Information

**Table 2. CDU-1MW TCS performance**

Delta-T (TCS, °F)	18.0	21.6	23.4
Flow rate (TCS, gpm)	394	394	394
Glycol rating	PG 25	PG 25	PG 25
Cooling Capacity (kW) - 7.2° F Approach Temp	1,004	1,202	1,350
Heat dissipation ratio (gpm/ kW)	0.39	0.33	0.29

**Figure 1. Cooling capacity**



**Figure 2. Dual and single pump curves**

**Figure 3. Pressure drop**




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