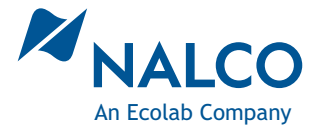


3D TRASAR™ Solid Cooling Water Inhibitor Dispensers



Specification SPEC-628

Description

The Nalco 3D TRASAR Solid Inhibitor Dispensers are a main component of the 3D TRASAR Solid Cooling Water System. They are available in both single and double configurations.

The inhibitor dispenser is controlled and monitored by the 3D TRASAR Solids controller through an on-board communications module. The inhibitor dispenser is required to dispense 3D TRASAR Solid inhibitor product (3DTS68 or 3DTS88).

- Dispenser automatically shuts off when lid is open to ensure safe operation
- Red LED illuminates to notify operators when filling is required
- Clear view window allows visibility to check product inventory
- Quick disconnect between spray chamber and sump allows easy removal and cleaning
- Three sensor float system in sump ensures full product and prevents overfilling
- Handles for ease of installation
- 3 brick capacity in each spray chamber
- Reliable inhibitor feed pump and mounting shelf included

Operation

The dispenser spray chamber(s) can hold up to 3-5 lb inhibitor blocks. When the product sump level is low, the 3D TRASAR Solid Controller energizes the inlet spray solenoid, forcing makeup water through a spray nozzle, dissolving the solid inhibitor product and filling the sump. When the sump level is full, the spray solenoid will no longer open. The sump is tubed to the suction side of the inhibitor feed pump. The inhibitor feed pump (mounted on the pump shelf) is energized by the configured 3D TRASAR Solid Controller relay to feed the liquid inhibitor product into the cooling system



Figure 1 — Single Inhibitor Dispenser (left) and Double Inhibitor Dispenser (right)

to meet configured set point. As the sump empties, the low level switch will detect this and the fill process starts again. The sump is equipped with a high level float to prevent overflow by closing the master solenoid valve. It also has an overflow connection that should be routed to a floor drain. A proximity switch in the dispenser spray chamber detects low product and will illuminate a bright red LED notifying operators to load with product.

Support

If you have any questions, please contact your Nalco representative. In North America, you can contact the Nalco Global Equipment Solutions Help Desk at 1-800-323-8483.

To Order

Contact your local Nalco Sales Engineer.

Inhibitor Dispenser Specifications

Specifications	Details
Dimensions (H x W x D) (Single/Double)	3'-6" x 2'-1/4" x 11-1/16" / 3'-6" x 3'-3/4" x 11-1/4"
Weight (Single/Double)	50 lbs/65 lbs
Electrical Requirements	24 VDC power is provided by the 3D TRASAR Solid Controller via communications cable (NOTE: The communication cable connects at the communications module, max of 20 ft. distance from 3D TRASAR Solid Controller)
Amp Draw (Single/Double)	<1 AMP / < 1.5AMP
Supply water requirements	Municipal supply water (NOTE: Cooling tower water cannot be used as supply water)
Drain requirements	Drain and overflow connections must be routed to an open to atmosphere floor drain
Minimum flow requirement	2 gpm (gallons per minute)
Pressure requirements	Minimum 30 psig, Maximum 80 psig
Temperature limits	Minimum 40°F, Maximum 120°F
Supply water inlet connection	3/8" OD Compression Fitting
Sump connections	
Drain connection	3/8" OD compression fitting
Overflow connection	1/2" OD compression fitting
Pump bleed port connection	3/8" OD compression fitting
Pump feed connection	3/8" OD compression fitting
Back panel material	Powder coated carbon steel
Mounting	Z-Bracket provided to wall mount

Spare Parts and Accessories

Material	Description
3DT-CWS651.88	Dispenser Solenoid Valve, 1/4", 24 VDC
3DT-CWS652.88	Dispenser Communications Board
3DT-CWS653.88	Dispenser Empty/Overflow Probe
3DT-CWS654.88	Dispenser Fill Level Probe
3DT-CWS655.88	Dispenser IR Sensor Kit Emitter/Receiver
3DT-CWS656.88	Dispenser Single Tubing & Fittings Kit
3DT-CWS657.88	Dispenser Pump Mounting Bracket
3DT-CWS658.88	Dispenser Ball Valve, 3/8", PVC
3DT-CWS659.88	Dispenser Nozzle Cap & Vane
3DT-CWS660.88	Dispenser Pull Handle
3DT-CWS661.88	Dispenser Nalco Nameplate
3DT-CWS662.88	Dispenser Grate w/ Shock Absorbers
3DT-CWS663.88	Dispenser Vacuum Breaker 1/4"
3DT-CWS664.88	Dispenser Lid Assembly
3DT-CWS656.88	Dispenser Double Tubing & Fittings Kit

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