

From MULTISTACK...

MULTIFLUSH™



MULTIFLUSH™



Time and Money Saving Advantages:

- Increase system reliability and chiller up-time
- Interface with an Energy Management System for timed blow-down of MultiFlush™
- Reduce maintenance costs
- Increase chiller operating efficiency which reduces energy costs

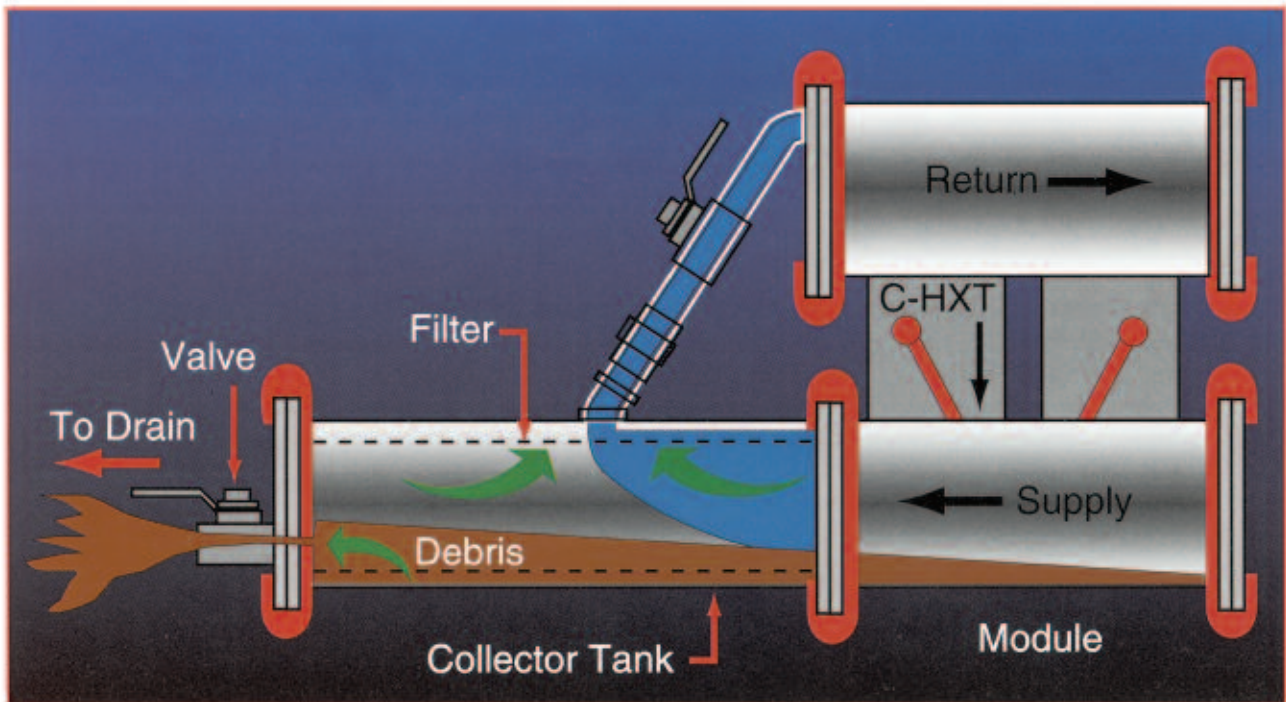
Problem

Excessive debris in the water system can cause clogging of the MULTISTACK chiller's in-line strainers requiring frequent system shut down for cleaning.

Solution

MULTISTACK developed MultiFlush™ to provide a trap for foreign material circulating in the chiller water system. The flow of water from the supply header to the return header moves water impurities down the line where they settle in the collector tank extension. The collected sediment is then removed by opening the drain valve for 1 1/2 to 3 minutes during system pump operation.

For condenser strainer flushing, repeat blow-down process until head pressure returns to approximately 210 psi as read on the chiller gauge panel.



Automated Drain Valve

Option 1: The drain valve (i.e., blow-down valve) can be automated by sensing the compressor head pressure or differential pressure from supply to return headers.

Option 2: A solenoid control valve can be operated by a programmed timer to open and close periodically. The amount of water discharged is small in comparison to the total water in the cooling circuit, and actually contributes to the cooling tower blow-down requirements.

Note: Automated controls are available. Contact factory for information on automated options. A manual blow-down valve is standard.

Multistack's MultiFlush™ does the job of a centrifugal separator at a fraction of the cost.

	Hardware Cost	Installation Cost	Performance
MULTISTACK MultiFlush™	less than \$1,000	Approximately 1 hour (No piping modification required.)	Works with all types of debris
Centrifugal Separator	up to \$7,000	Several hours (Must modify system piping.)	Works only with debris which has a specific gravity >1.00

Note: The MultiFlush™ system is intended for use on the condenser side of the chiller, but may be applied to the chiller water system as well.