

THOMPSON STRAINER INSTRUMENTATION PACKAGES

NEW DESIGNS - IMPROVED PERFORMANCE AND ACCURACY

For enhanced capability, any Thompson Strainer can be outfitted with a Pressure Differential Alarm, Automatic Timer Flush Package or both.



MLS-06 with PDA/ATF-MAX-150

APPLICATIONS

- Cooling Tower / Chilled Water
- Food / Beverage Applications
- Hot Water
- Plastics
- Wastewater / Reclaim Water
- Mining
- Process Water
- Chemical Processing
- Pump & Valve Protection
- Agricultural
- Liquid Fertilizer
- Marine



PDA/ATF-MAX-150 - POWERED BY MAXIM

The PDA/ATF-MAX combines the Automatic Timer Flush Package with Miller-Leaman's proprietary MAXIM controller PLC and pressure transducers to monitor the differential pressure across the internal screen. The MAXIM controller allows the user to adjust the PSID alarm set point which will trigger the audible siren and flashing red light alarms as well as actuate the Automatic Timer Flush Package.



PDA/ATF-MAX-150

PRESSURE DIFFERENTIAL ALARM

- Pressure Transducers for Increased Accuracy of Differential Pressure Calculation and System Pressures
- Alarm Output Relay for BMS Monitoring
- Nema4X Enclosure Rating with Clear Cover for Status and Alarm Viewing
- PLC Controller featuring –
 - LCD Screen for System Status Info, Setpoint Adjustability, and System Alarm Info
 - Memory Module Interface for Program Backup
- 110V/24VDC Power Supply

AUTOMATIC TIMER FLUSH

- Automatically Purges Particles from Bottom Reservoir
- Adjustable Flush Frequency and Flush Duration controlled by MAXIM
 - Flush Based on PD Setpoint
 - Flush Based on Time
 - Manual Flush Override
- PLC Suspends Flushing When Low Pressure Detected
- NEMA 4X Enclosure Rating
- 316 SS Ball and Stem
- Open and Close Indicator
- Other Flush Sizes Available (0.75", 1", 2", 3")
- Single 110V/24VDC Power Supply feeds PDA & ATF2

Flush Interval
HOURS:MM 00024:00
Enter
PSID Setpoint 07

Manifold Pressure
Inlet : 0034.0
Outlet : 0032.0
PSID : 0002.0

Time Since Last
Flush 00000:04
Triggered By:
PD Transducers

Example of Multiple Controller Displays





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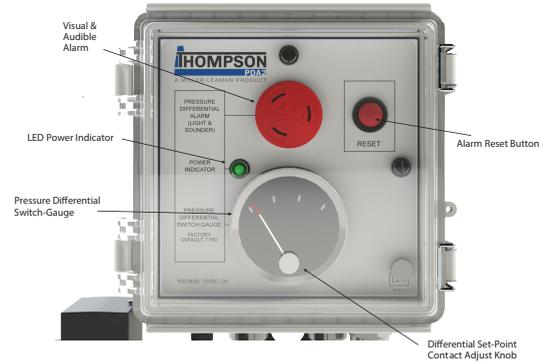
PDA2
A MILLER-LEAMAN PRODUCT

PRESSURE DIFFERENTIAL ALARM PACKAGE (PDA2)

The new and improved Pressure Differential Alarm Package (PDA2) continuously monitors the pressure drop across the internal conical screen. When the strainer screen becomes dirty, the switch-gauge triggers an audible and visual flashing alarm, intended to alert maintenance personnel when the screen needs to be removed from the housing for manual cleaning. The alarm is factory set to engage when the differential pressure reaches approximately 7 PSID; however, this setting is adjustable by changing the set point contact.



- Monitors Differential Pressure
- Signals When Screen Cleaning is Required
- Audible and Visual Alarm
- Auxiliary Contacts For BMS Monitoring
- Nema4X Enclosure Rating
- 110V / 12VDC Power Supply



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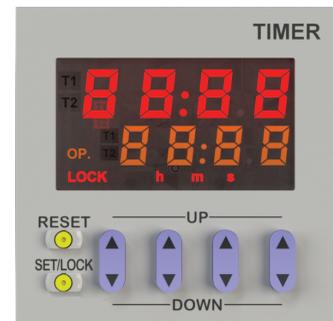
ATF2
A MILLER-LEAMAN PRODUCT

AUTOMATIC TIMER FLUSH PACKAGE (ATF2-150)

The Automatic Timer Flush Package (ATF2-150) automatically purges particles that have collected into the debris reservoir at the base of the strainer. Depending on the solids' loading of the application, the user simply programs in the FLUSH FREQUENCY (time between flushes) and FLUSH DURATION (length of flush) of the valve. The flush frequency is preset for (24) hours and the flush duration is preset for (8) seconds, however, these settings can be changed. The user programmed parameters automatically control the opening and closing of the valve. The user can override the timer by engaging a manual flush cycle.



- Automatically Purges Particles from Bottom Reservoir
- Adjustable Flush Frequency and Flush Duration
- Manual Flush Override
- Nema4X Enclosure Rating
- 316 SS Ball and Stem
- Valve Threads On Strainer Flush Port (Standard 1.5")
- Other Flush Sizes Available (0.75", 1", 2", 3")
- 110V / 12VDC Power Supply



Digital Control Gauge

EFFICIENT & RELIABLE FILTRATION SOLUTIONS



Custom filtration options



Conserving water and energy for sustainability



QC Tested



Efficient, clean designs



Agile customer service technicians

With over 30 years of experience in manufacturing filtration products for our customers, Miller-Leaman, Inc. has proven credibility, expertise and quality with every system we design. We take pride in our craftsmanship and innovation while providing customizable solutions for our customers across multiple end markets.



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