

THOMPSON INSTRUMENTATION PACKAGES

****NEW STATE-OF-THE-ART-DESIGNS!****

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



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

THOMPSON
PDA/ATF-MAX
POWERED BY MAXIM



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 MAX - POWERED BY MAXIM

- 110V/24VDC Power Supply
- PLC Controller featuring –
 - LCD Screen for System Status Info, Setpoint Adjustability, and System Alarm Info.
 - Inlet/Outlet Pressure Transducers
 - Memory Module Interface for Program Backup.
 - I/O System Screen for Troubleshooting Assistance.
- Pressure Transducers for Increased Accuracy of Differential Pressure Calculation and System Pressures.
- Alarm Output Relay for Your Building Management System.
- Nema4X Enclosure Rating with Clear Enclosure Cover for Status and Alarm Viewing.

AUTOMATIC TIMER FLUSH (ATF2)

- Automatically Purges Particles from Bottom Reservoir
- Increased ATF function-ability – “TimedFlush” enabled only when System Flow is Detected.
- Manual Flush Override
- NEMA 4X Enclosure Rating
- 316 SS Ball and Stem
- Less Connections and Reduced Leak Point
- Open and Close Indicator
- Valve Threads On Strainer Flush Port (Standard 1.5")
- Other Flush Sizes Available (0.75", 1", 2", 3").
- Adjustable Flush Frequency and Flush Duration controlled by MAXIM

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





We take pride in conserving water and energy for the sustainability of our environment

THOMPSON

PDA2

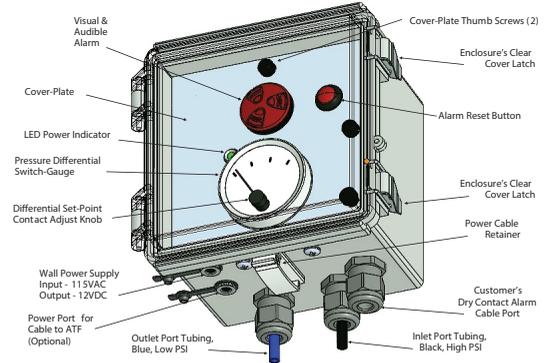
A MILLER-LEAMAN PRODUCT



PRESSURE DIFFERENTIAL ALARM PACKAGE (PDA2)

Our 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 at the base of the differential pressure gauge.

- 110V / 24VDC Power Supply
- Monitors Differential Pressure
- Signals When Screen Cleaning is Required
- Audible and Visual Alarm
- Auxiliary Contacts For BMS Monitoring
- Nema4X Enclosure Rating



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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 gravitated down into the debris reservoir at the base of the strainer. Depending on the solids' loading of the application, the user simply dials 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. Based on the parameters programmed, the robust stainless steel ball valve opens and closes. The user can override the timer by engaging a manual flush cycle.

- 110V / 24VDC Power Supply
- Automatically Purges Particles from Bottom Reservoir
- Robust Stainless Steel Ball Valve
- Adjustable Flush Frequency and Flush Duration
- Manual Flush Override
- Nema4X Enclosure Rating
- Valve Threads On Strainer Flush Port (Standard 1.5")
- Other flush sizes available (0.75", 1", 2", 3")



Digital Control Gauge

EFFICIENT & RELIABLE FILTRATION SOLUTIONS



Custom filtration options



Conserving water and energy for sustainability



Rigorously tested welds



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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