



INSTRUMENTATION PACKAGE OPTIONS



PRESSURE DIFFERENTIAL ALARM PACKAGE (PDA)

The Pressure Differential Alarm Package (PDA) 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. At maximum flow, all Thompson Strainer models operate with less than a 1 PSI pressure loss (when clean). 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. The PDA package comes standard with auxiliary contacts for remote monitoring of the alarm. The PDA is housed inside a NEMA rated enclosure and comes with a 110V / 12VDC wall mount power supply.

AUTOMATIC TIMER FLUSH PACKAGE (ATF-EA-1.5)

The Automatic Timer Flush Package (ATF-EA-1.5) automatically purges particles that have gravitated down into the debris reservoir at the base of the strainer. Purging the reservoir; however, does not clean the internal screen (see above PDA explanation). 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; these settings can be substantially 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.

The controller attached to the valve is housed inside a NEMA enclosure. If ordered with the PDA alarm package, an electrical cord from the PDA supplies power to the ATF-EA-1.5 valve package. If the ATF-EA-1.5 is ordered separately, a 110V / 12VDC wall mount power supply is included.



PRESSURE DIFFERENTIAL ALARM:

- Monitors Differential Pressure
- Signals When Screen Cleaning is Required
- Audible and Visual Alarm
- Auxiliary Contacts For Remote Monitoring
- Comes With Bracket for Mounting



AUTOMATIC TIMER FLUSH VALVE:

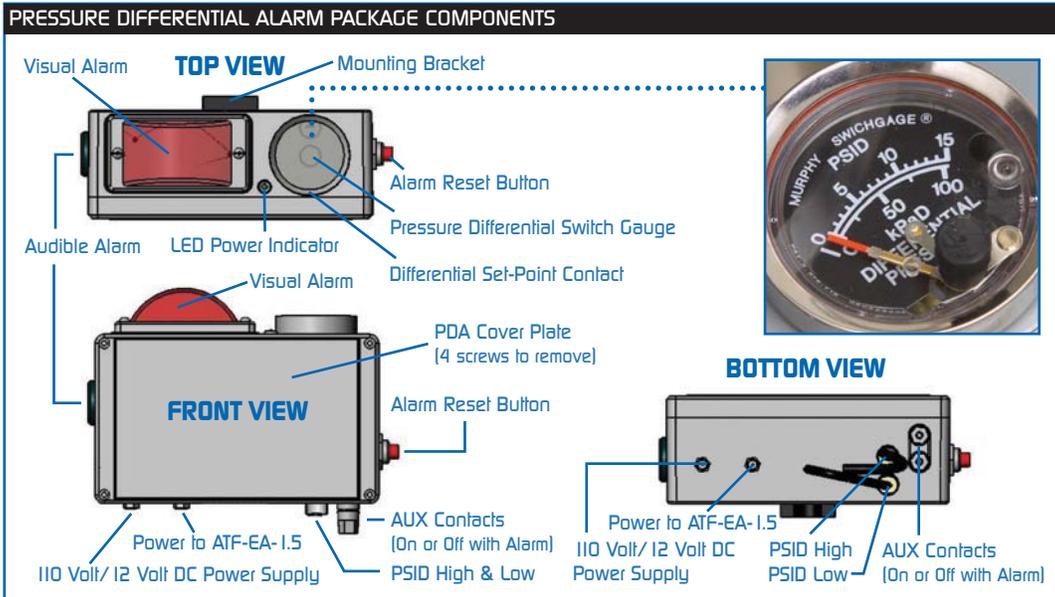
- Automatically Purges Particles from Bottom Reservoir
- Robust Stainless Steel Ball Valve
- Adjustable Flush Frequency and Flush Duration
- Manual Flush Override
- Valve Threads On Strainer Flush Port



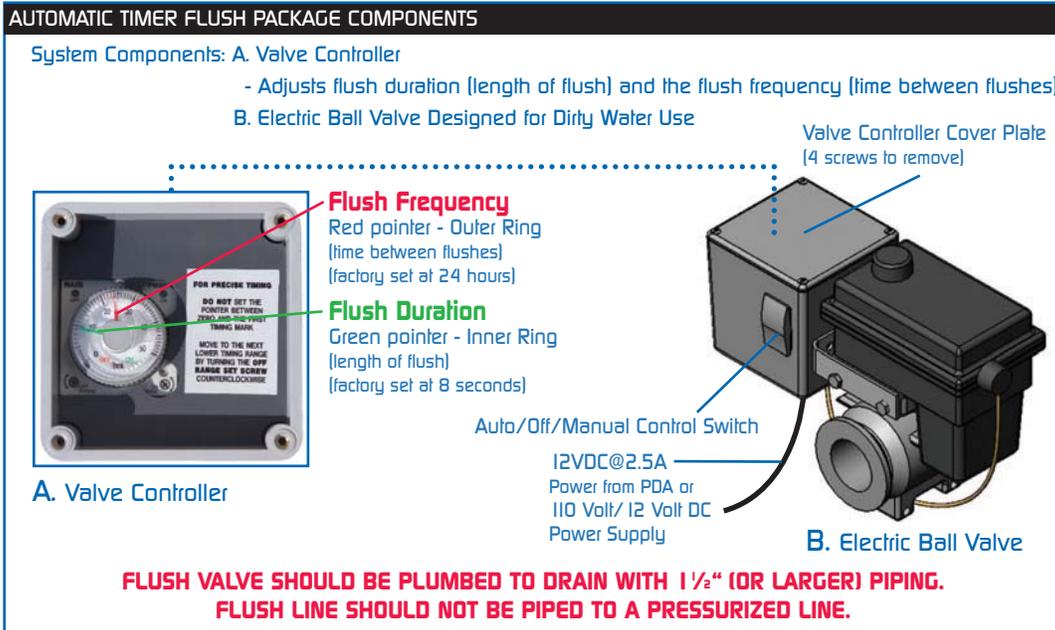
simply better



PRESSURE DIFFERENTIAL ALARM PACKAGE (PDA)



AUTOMATIC TIMER FLUSH PACKAGE (ATF-EA-1.5)



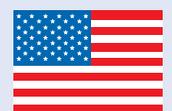
PART NUMBER	DESCRIPTION	ELECTRICAL
PDA	Pressure Differential Alarm Package (comes with mounting bracket to mount on strainer)	Comes with 110V/ 12VDC Power Supply
ATF-EA-1.5*	Automatic Timer Flush Package - (Threads on 1 1/2" Flush Port) - For use on all Thompson Strainer models: MLS-2, MLS-3, MLS-4, MLS-6, MLS-8, MLS-10	Power from PDA Package or Comes with 110V/ 12VDC Power Supply
ATFR-2000	110 V/ 12VDC Wall Mount Power Supply (included with purchase of PDA and/or ATF-EA-1.5)	Plugs in 110V Wall Plug
PG-1/4-150	Pressure Gauges (0-150 PSI); (2) required per strainer	N/A

*1" and 2" valve packages also available: 1" valve part# ATF-EA-1.0; 2" valve part # ATF-EA-2.0



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