



ARIEL CORPORATION

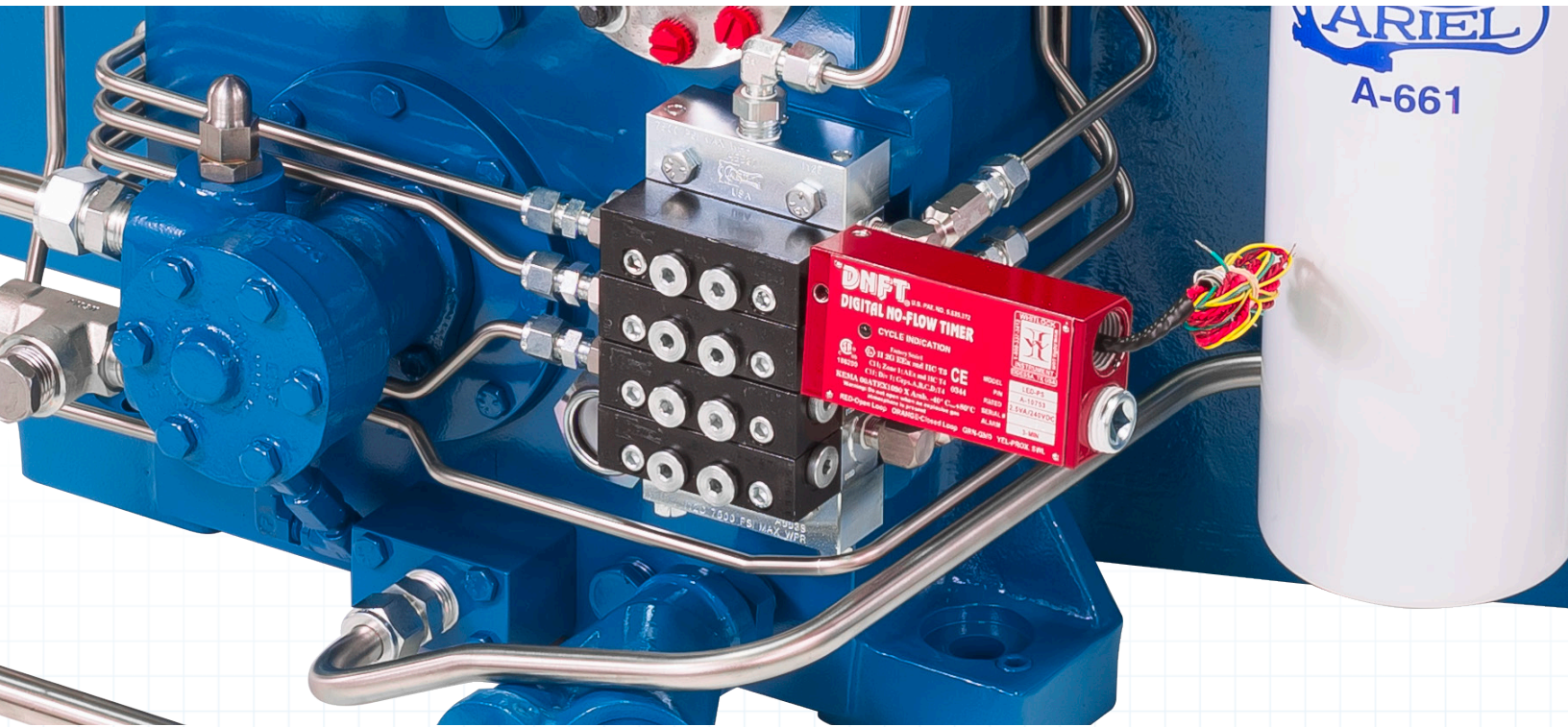
Product Release Announcement

35 Blackjack Road

Mount Vernon, OH 43050

www.arielcorp.com

No-Flow Devices: Monitoring and Control Solutions



- Used on each primary distribution block for system protection
- Simple proximity switch through full-feature system monitoring
- Multiple power options: Internal battery or 24VDC panel power
- Robust design: factory selected, installed and supported
- Hazardous area classifications: CSA, IEC and ATEX
- 12 month factory warranty

Force Feed Lubrication System No-Flow Devices

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Available Devices

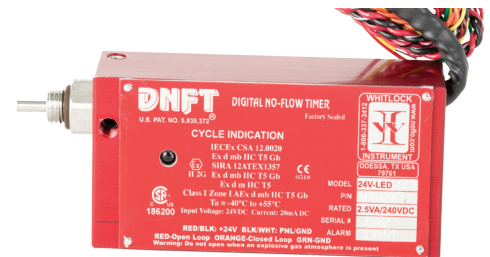
Proximity Switch

- Non-powered device with cycle indication switch
- Simple arrangement allowing monitoring/trending/shutdown logic by package control panel
- Separate mechanical visual cycle indicator included on new unit installations



Digital No-Flow Timer (DNFT)

- 24VDC (panel power) or internal battery power available
- Fixed time no-flow shutdown switch
- Visual cycle indicator (LED)
- Non-powered cycle indication switch



Programmable Digital No-Flow Timer (DNFT PRG)

- Standard DNFT features
- Programmable time no-flow shutdown switch
- LCD information display (selectable)
 - Total cycles, cycle time, total pints, or pump flow rate



Specification	Proximity Switch	DNFT	Programmable DNFT
Shutdown Signal	NO	YES	YES
Proximity Signal	YES	YES	YES
Local Cycle Indicator	Separate Indicator	YES: LED	YES: LCD & LED
De-Bounce Included	NO	YES	YES
Power	N/A	Lithium Battery (A-10807)	Lithium Battery (A-10807)
		24VDC Panel Power	24VDC Panel Power
Shutdown Time	PLC	180 Seconds	Programmable: 20-255 Seconds
Area Classification	CSA, IECEx, ATEX		
CSA	CSA 186200 (Canada): Ex d m IIC T5 CSA 186200 (US): Ex d m IIC T5, Class I, Zone 1, AEx d mb IIC T5 Gb		
IECEX	IECEX CSA 12.0020, Ex d mb IIC T5 Gb		
ATEX	II 2G SIRA 12ATEX1357, Ex d mb IIC T5 G		
Temperature	-40°F to +131°F (-40°C to +55°C)		
Max. Switch Voltage	240 VDC		
Max. Switch Current	10.4 mA		
Max. Switch Power	2.5 VA		
Ariel Part Numbers	Switch: A-18255 Indicator: A-18682	Battery: A-10753 24 VDC: A-20514	Battery: A-10754 24 VDC: A-20513

Advanced Application

Compressors with DNFTs can either use the no-flow switch to directly shutdown the unit or use the included proximity switch with the package control panel to create customized control logic.

Advanced panels can watch both the no-flow alarm signal from the DNFT and the proximity switch circuit, allowing customized alarms and shutdowns, as well as cycle time and oil consumption trending.