



ARIEL CORPORATION

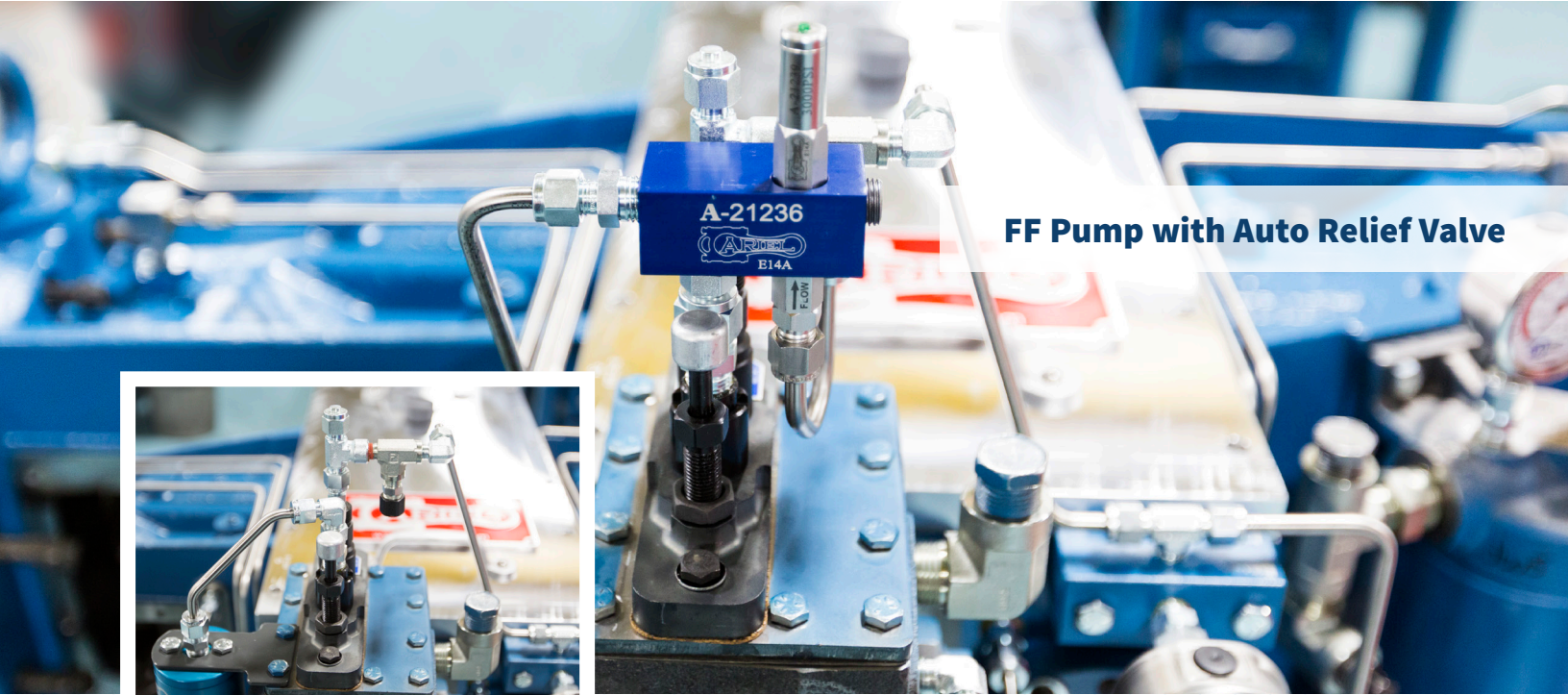
Product Release Announcement

35 Blackjack Road

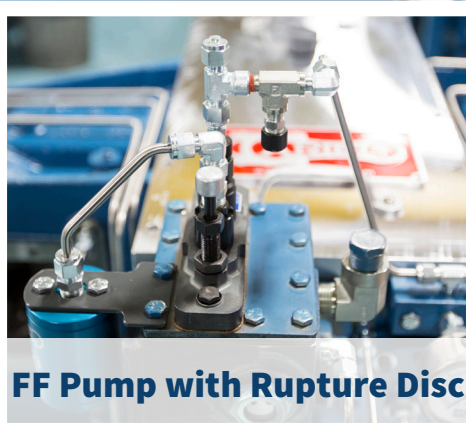
Mount Vernon, OH 43050

www.arielcorp.com

ARV: Auto Relief Valve



FF Pump with Auto Relief Valve



FF Pump with Rupture Disc

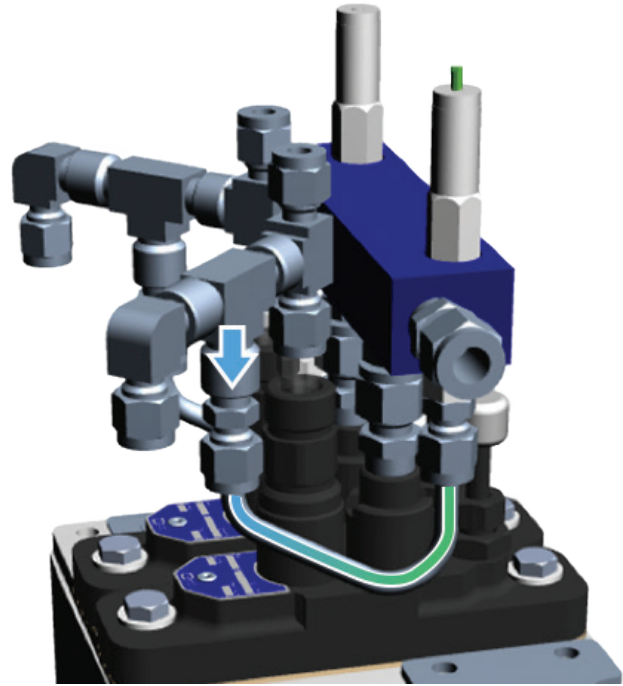
- Beginning in September 2014, Ariel will phase in the Ariel ARV and other force feed lubrication system changes
- The ARV is an auto-resetting device that will replace rupture discs to provide force feed system overpressure protection
- In the case of an overpressure event in the force feed lubrication system the ARV provides for containment of the force feed lubricant
- The ARV will reduce nuisance shutdowns due to sporadic force feed lubrication system overpressure events
- For aftermarket applications, contact your local Ariel parts distributor

Force Feed Lubrication System
Auto Relief Valve

Force Feed Lubrication System Auto Relief Valve

ARV Operation

- A system blockage forces the ARV to open, causing the manually reset indicator pin to protrude
- Lubricant flowing from pump outlet is recirculated to the pump inlet manifold
- The no-flow device will time out because lubricant is not cycling the divider blocks



APP Lube Sheet - ARV with Cracking Pressure Indicated

Recommended lubricant (mineral oil) for application and pressures	<u>SAE 50-60 wt (ISO 220-320) or SAE 40wt (ISO 150) w/ Compounding</u>
Automatic Relief Valve	A-21239 3000.00 psig cracking press (Green Spring and Indicator Pin)
Lubricator Pump Chamber	3.5" (0.0750 in.)
Qty of Pumps feeding this block	1
Recommended base feed rate	0.50 Pints/day/in of bore diameter

Filter Eliminated

- The 150 micron sintered bronze filter is being eliminated to reduce pressure drop in the force feed inlet system
- A minimum 5 micron filtration is required upstream of the force feed pump inlet
- An unmounted spin-on filter kit (A-0661 element) is available, PN G-24184
- Ariel FF pumps are equipped with an integral mesh strainer