

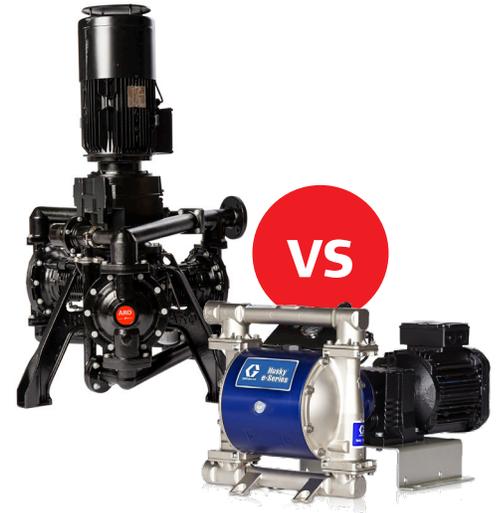
# ARO®

## STREETFIGHTER

### EVO Series™ Pump

#### VS TRADITIONAL ELECTRIC OPERATED DIAPHRAGM PUMPS

The new ARO® EVO Series™ pump joins the best of our pneumatic heritage with the ultimate technology that could be applied in a diaphragm pump technology. The only pump that “really stops” under dead head conditions.



### Features and Benefits



#### ARO® EVO Series™ Pump offers:

- Auto shut-off under high pressures. The only electric diaphragm pump in the market that offers the “real” deadhead capability
- No air needed like some electric diaphragm pumps available in the market
- Exclusive Smart ARO® Set up that automatically program the system parameters
- Low pulsation level due the unique ARO’s 3 chamber design
  - Smooth operation even at maximum load conditions
- Significant reduced noised compared to other electric diaphragm pumps
- Plug and play solution
- Closed loop interface - process control
- Data accuracy at real time
- New diaphragm materials - increase diaphragms durability
- Easy serviceability and lower maintenance costs
- Compact footprint - more space to work.
- No extra accessories or equipment needed to full operation



#### EVO Series™ Pump Competitive Assessment

Page Attributes	ARO®	GRACO
Dead Head Capability	✓	—
Dry Run Stop Control	✓	✗
Switches Off When Under Pressure	✓	✓
Secondary Seals	✓	✗
Pulsation	✓	—
Maintenance Costs	✓	✗
Ease of Service	✓	✗
Leak Detection	✓	—
Efficiency (full range)	✓	—
Cavitation	✓	✓
Reliability	✓	✗
Full Range Continuous Use	✓	✗

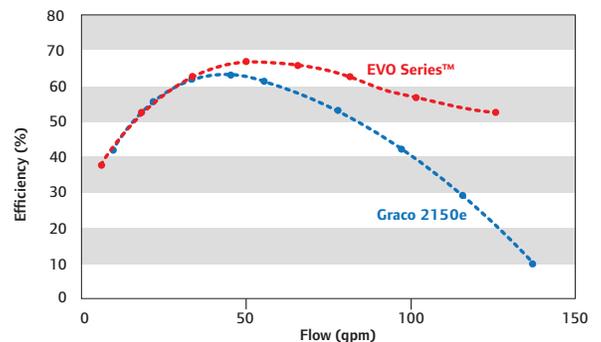
*“Superior performance in all pump attributes”*



#### Commitment to Sustainability

- The EVO Series™ Pump was designed to deliver the maximum of energy efficiency
- EVO Series™ 100% energy efficiency compared to a traditional EODD pump at average 125 gpm flow rate. Competitor’s exponential energy cost year over year

#### 2” “Wire to Water” Efficiency



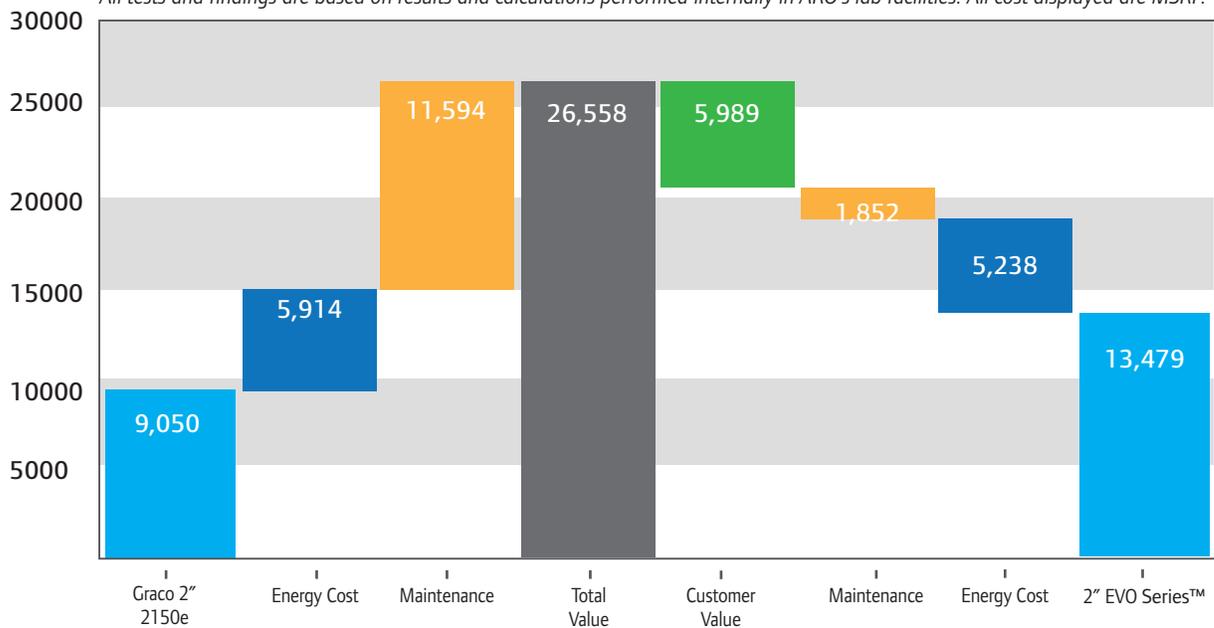
## ARO® EVO Series™ offers the best Total Cost of Ownership (TCO) of the market



### Total Cost Of Ownership Evaluation

- Competitor's standard model pump only provide basic pump operation. Extra accessories are needed to reproduce a slightly similar pump operation control compared to EVO Series™ electric diaphragm pump. E.g. leak detection kit, center section repair kit, controller to motor cables, etc.
- The absence of deadhead capability causes premature damage in the parts, as a consequence the maintenance intervals get reduced. Failures can be since from a diaphragm ruptures up to fluid handling mechanisms like piston, shaft and drive assembly, center sections, bearings, bolts, couplers, etc.. Total costs to repair can be up to three times more compared to a normal preventive maintenance schedule plan.
- The images below shows a pump with approximately **XXX** cycles pumping **SSS** fluid after a diaphragm breach. Even if a competitor pump comes with leak detection option, it has to be placed such that the mechanism has to be flooded with customer fluid before it knows to shut off, what doesn't happen when pump dry run.
- See a real case study examples in the back of this report.

All tests and findings are based on results and calculations performed internally in ARO's lab facilities. All cost displayed are MSRP.



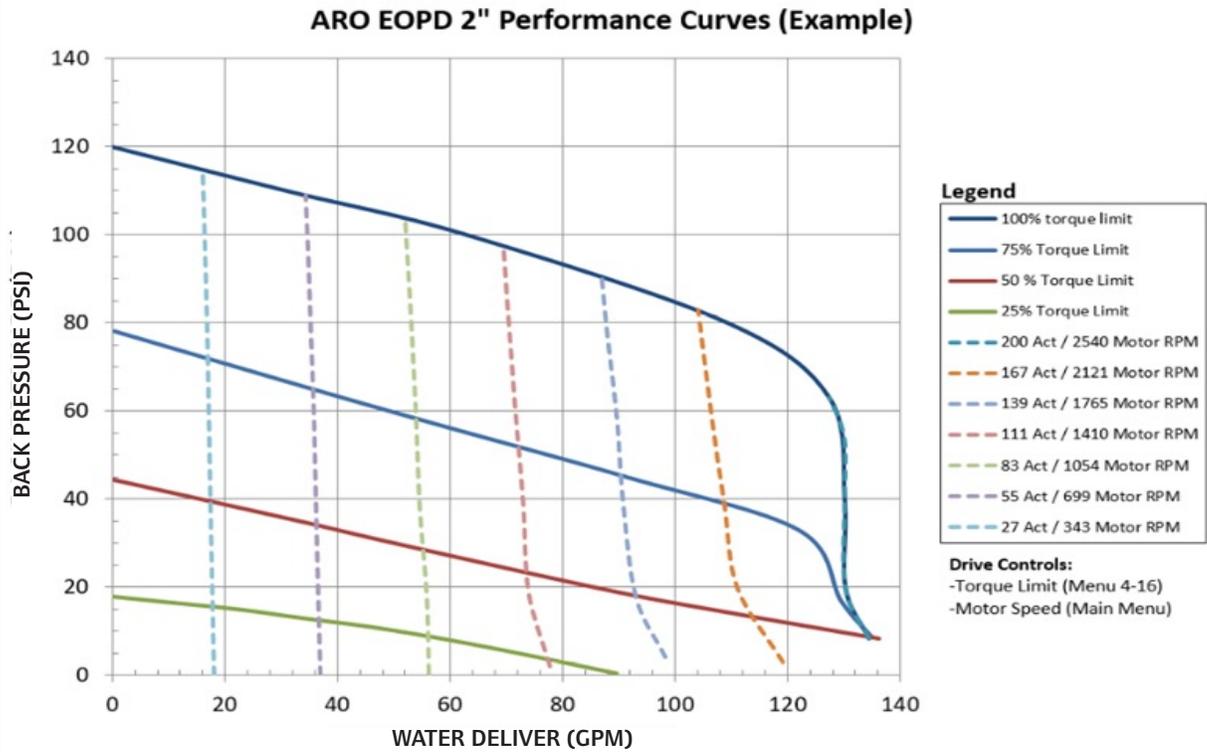
TCO Assumptions: 3 year of operation  
 ARO® EOPD TCO is 34% less, saving USD \$9.889  
 GRACO® - PUMP,2150A-E,A06A/A1,SP/SP/SP - 655065 - AC MOTOR  
 GRACO® pumps needs 1.5 repair per year and 1 big damage in the period.  
 Labor cost is USD \$50 per hour and Kw/h rate is USD \$0.13

## Product Attributes Comparison



	ARO® EP20	GRACO 2150e
Displacement/Cycle gal (l)	.65 (2.46)	.60 (2.27)
Pump Connection / Inlet	2"	2"
Threads	No	Yes
Flange	Yes	Yes
Pump Connection / Discharge	2"	2"
Threads	No	Yes
Flange	Yes	Yes
Suction Lift		
Dry ft (m)	16 (4.8)	14 (4.3)
Wet ft (m)	31 (9.4)	30 (9.1)
Maximum Solids in (mm)	.252 (6.4)	.252 (6.4)
Maximum Pump Speed (CPM) @60Hz Continuous Duty	215	160

## 2" EVO Series™ Electric Diaphragm Pump Performance Curves



### Case Study



#### Taking a pump from the field for inspection

- The images below shows a pump with approximately XXX cycles pumping SSS fluid after a diaphragm breach.
- Even if a competitor pump comes with leak detection option, it has to be placed such that the mechanism has to be flooded with customer fluid before it knows to shut off, what doesn't happen when pump dry run.

