

ARO[®]

FLUID MANAGEMENT SOLUTIONS

BATCHING | FLOW CONTROL



Control your pumps. Control your costs. Easily. Quickly. *Intelligently.*

Introducing fluid management solutions that help optimize your costs and production time.

Imagine...

- ▶ Increasing productivity through reduced operator-monitoring of dispensing equipment.
- ▶ Full-featured multi-pump control in a simple-to-use and easy-to-install package.
- ▶ Safer control and monitoring of your processes with remote operation capabilities.

It's now possible with fluid management solutions from ARO, the global leader in straightforward, reliable fluid products and systems.

Fluid Management Solutions from ARO combine the new ARO Controller with our EXP Series Electronic Interface pumps.

It's Fluid Intelligence at work.



Throughout the past eight decades, ARO fluid management products have made businesses more competitive, cost-efficient and performance driven.

Contact us today with any of your fluid needs.

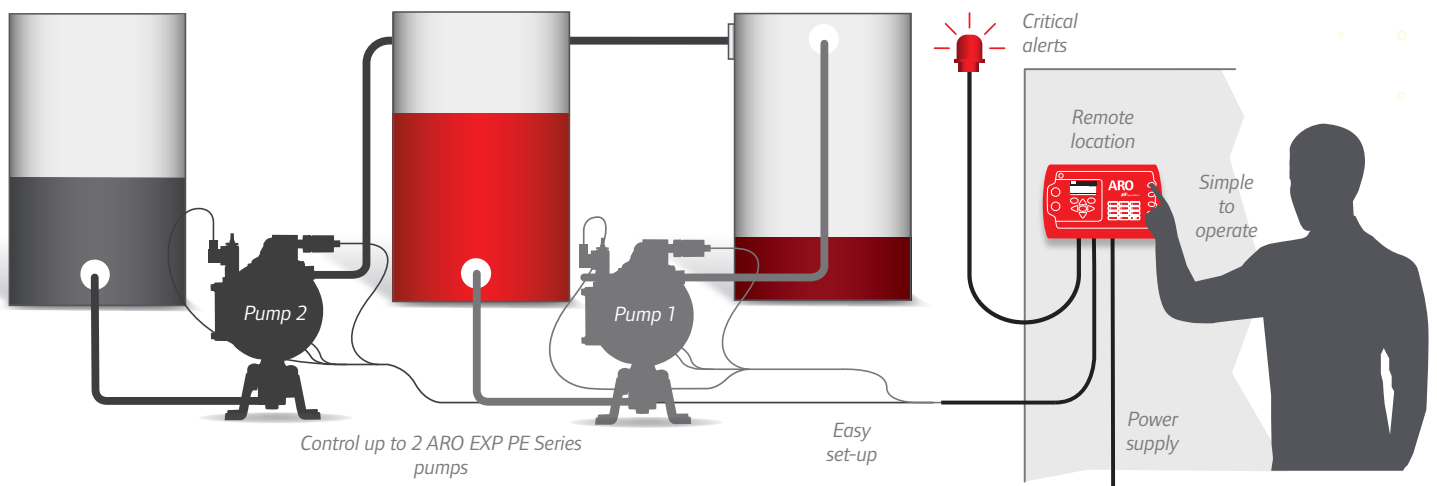
 www.AROzone.com

 (800) 495-0276

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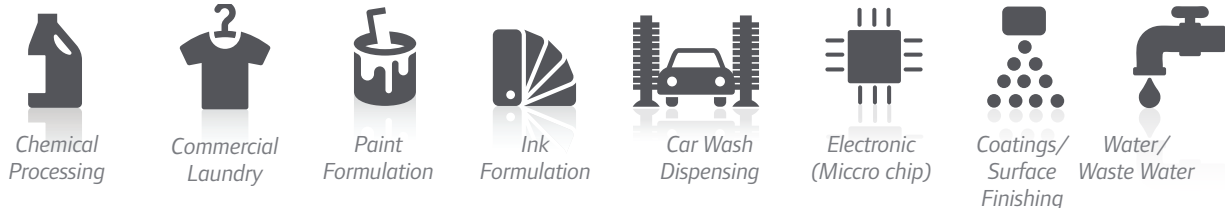
Migrate to a smart touch and walk away system that helps optimize your costs and control your pumps.

- Closed loop system achieves dispensing repeatability within 1%
- Safe control and monitoring via remote operation
- Multi-pump control for accurate two part batching processes
- Controller accepts leak detection, liquid level sensing and proportional control
- Remote triggers and alerts send operating data, can perform auto shut-down, and keep you up-to-date on maintenance needs
- Seamless integration between the ARO® Controller and EXP Series Electronic Interface pumps



Markets and Applications

- The ARO controller and electronic interface pumps are ideal for a wide array of applications such as batching, and container and tank fill in numerous markets.



Contact your distributor, or e-mail the experts at arohotline@irco.com to discuss your custom solution.



The ARO Controller, paired with one or more compatible EXP Electronic Interface pumps, completes the system to provide enhanced control.

Controller Specifications

External Power	
V in	90 - 264 VAC
V out	24 VDC (± 5%)
I out	3A

Controller I/O	Rating	QTY
Digital inputs	24 VDC	13
Digital outputs	24 VDC	6
Analog inputs	4 - 20mA	2
Analog outputs	4 - 20mA	2

Environmental	
Operating temperature range	-20°C to 70°C
Storage temperature range	-30°C to 80°C
Maximum relative humidity	90% non-condensing

Electronic Interface Pump Specifications

	1/4"	3/8"	1/2"	3/4"	1"	1-1/2"	2"	3"
Maximum GPM (l/min)	4.2 (15.8)	8.68 (32.8)	11.52 (43.6)	11.84 (44.8)	40.94 (154.9)	98.4 (372.4)	147.2 (557.2)	-
			9.6 (36.3)	10.88 (41.1)	36.56 (138.3)	98.4 (372.4)	149.05 (564.2)	205.57 (778.1)
Displacement per cycle	.019 (.072)	.0338 (.127)	0.039 (0.15)	0.032 (0.12)	0.296 (1.12)	0.617 (2.34)	1.4 (5.3)	-
			0.039 (0.15)	0.030 (0.11)	0.2789 (1.05)	0.617 (2.34)	1.6269 (6.15)	3.4247 (12.9)
Air Inlet (Female):	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	3/4" NPT	-
			1/4" NPT	1/4" NPT	1/4"	1/2" NPT	3/4" NPT	3/4" NPT
Fluid Connection	NPT/BSP	NPT, BSP	NPT, BSP	NPT, BSP	NPT, BSP A.N.S.I./DIN	A.N.S.I./DIN	A.N.S.I./DIN	-
			NPT, BSP	NPT, BSP	NPT, BSP	NPT, BSP, A.N.S.I./DIN	NPT, BSP, A.N.S.I./DIN	NPT, BSP, A.N.S.I./DIN
Max. Op. Pressure PSI (bar):	125 (8.6)	100 (6.9)	100 (6.9)	100 (6.9)	120 (8.3)	120 (8.3)	120 (8.3)	-
			100 (6.9)	100 (6.9)	120 (8.3)	120 (8.3)	120 (8.3)	120 (8.3)

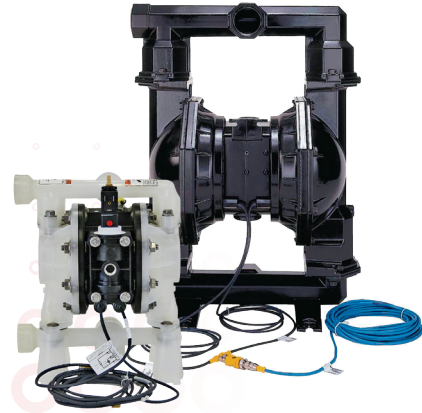
Metallic Models

Preassembled, Yet Custom-Designed

Choose a Controller

Model Options	
Base Controller	651763-XX-0
Interface with 1 Pump	651763-XX-1
Interface with 2 Pumps	651763-XX-2

XX = AM (Americas), EM (Europe, Middle East, India and Africa), AP (Asia/Pacific)



Choose a Pump

Position	1	2	3		4	5	6		7	8	9		10	11	12
Example:	PE	05	P	-	A	P	S	-	P	A	A	-	B	D	E

1 - Base Model

PE	Electronic Interface
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2 - Port Size

01	1/4" Port
03	3/8" Port
05	1/2" Port
07	3/4" Port
10	1" Port
15	1.5" Port
20	2" Port
30	3" Port

3 - Center Section Material

A	Aluminum
P	Polypropylene
S	Stainless Steel

4 - Connection

A	NPT Thread
B	BSP Thread
F	A.N.S.I Side
Y	A.N.S.I Center

5 - Wetted Parts

A	Aluminum
C	Cast Iron
D,E	Groundable Acetal
H	Hastelloy
K, L	PVDF (Kynar)
P, R	Polypropylene
S	Stainless Steel

6 - Hardware

P	Plated Steel
S	Stainless Steel

7 - Seat Material

A	Santoprene®
C	Hytrel®
D	Acetal®
E	Carbon Steel
F	Aluminum
G	Nitrile
H	440 Stainless Steel (Hard)
K	PVDF
L	Hastelloy
P	Polypropylene
S	Stainless Steel

8 - Ball Material

A	Santoprene®
C	Hytrel®
G	Nitrile
S	316 Stainless Steel
T	PTFE
U	Polyurethane
V	Viton

9 - Diaphragm Material

A	Santoprene®
C	Hytrel®
G	Nitrile®
T	PTFE
V	Viton

10 - Revision

A	First
B	Second
C	Third

11 - Specialty Code 1

D	Solenoid 24VDC, 48VAC + 44VAC
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12 - Specialty Code 2

E	End-of-stroke feedback + leak detection
F	End-of-stroke feedback

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ARO®

ARO® is a brand of Ingersoll Rand. Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$12 billion global business committed to a world of sustainable progress and enduring results.