

Proven advantages

When you purchase an ARO Pit Boss pneumatic diaphragm pump, you can be confident that you're getting industry-proven durability, reliability, and value. They're the ideal solution for general transfer, dewatering, and solids-handling applications.

▶ Reliability

Our pumps are built to withstand and flourish in extreme conditions. Decades of development have produced diaphragm designs that last up to four times longer than competitive models. And while other pumps frequently ice over or stall out, the Pit Boss pumps' patented air motor designs ensure worry-free operation.

▶ Performance

Our pumps deliver industry-leading performance, with powerful suction lift and impressive flow rates of up to 217 gpm (821 L/min) to cover the most demanding operations. If semi-solids and solids are an issue, Pit Boss pumps are the answer — handling particles up to 1" (25.4 mm) in diameter.

▶ Versatility

Need to place a pump deep in a sump or hole? No problem with Pit Boss pumps. They have one-way check valves on the exhaust, enabling submersion. The pumps also feature collapsible comfort-grip handles for convenient portability.

▶ Safety

Our air-operated Pit Boss pumps are intrinsically safe and can be used in hazardous areas and explosive environments without fear of ignition-causing sparking.

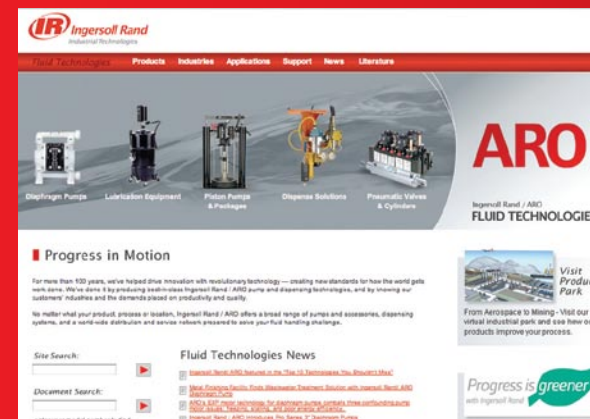
▶ Serviceability

Pit Boss pumps are built with serviceability in mind. Bolted construction allows for faster and easier maintenance, especially compared to competitive models featuring band clamps. We also offer readily available service kits.



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- ✓ **Easy Access to Operator's Manuals and Product Data**
Users can now search with complete or partial model numbers, gaining access to documents in multiple languages
- ✓ **Pump Selection Software**
Allows you to identify the best pump for your application
- ✓ **Competitive Model Crossover**
Visitors can easily and quickly crossover competitive units to ARO models
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Ingersoll Rand Industrial Technologies provides products, services, and solutions that enhance our customers' energy efficiency, productivity, and operations. Our diverse and innovative products range from complete compressed air systems, tools, and pumps to material and fluid handling systems and environmentally friendly microturbines. We also enhance productivity through solutions created by Club Car®, the global leader in golf and utility vehicles for businesses and individuals.

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ARO

Pit Boss™

Pneumatic dewatering and solids-handling diaphragm pumps



Progress in motion

For more than 75 years, Ingersoll Rand ARO pumps and fluid products have helped drive innovation and create new standards for how the world gets work done. Over the years, we have applied our knowledge of our customers' industries and the demands placed on productivity and quality to consistently deliver products that increase productivity and minimize the costs associated with transferring, extruding, and applying a wide range of fluids, from low- to high-viscosity.

When you purchase an ARO product, you can be confident that you are getting industry-proven dependability, versatility, and value. No matter what your product, process, or location, ARO offers the products, accessories, and a worldwide distribution and service network prepared to keep your process in motion.

After all, we've been doing it for more than 75 years.



Engineered to excel

We've taken the patented technologies and proven designs that made the ARO brand famous and added features to make our dewatering and solids-handling pumps the first choice for general industrial, mining, and construction professionals worldwide.

FEATURES AND BENEFITS

- 1 Comfort-grip handles** — Improve portability and usability
- 2 Removable screened inlet** — Keeps foreign particles out of pump to eliminate failure related to pumping debris
- 3 Optimized flow passages** — Enable the pump to handle particles up to 1" (25.4 mm) in diameter
- 4 Integrated base plate** — Distributes weight and ensures stable operation on soggy and unstable terrain
- 5 One-way exhaust check valve** — Permits submersible operation
- 6 Patented "unbalanced" air valve** — Prevents stalling, sticking, centering, freezing, and air blow-by; uses less air power and requires no lubrication
- 7 Independent pilot rod** — Ensures positive pilot signal for shifting and avoids stall-out
- 8 Bolted construction** — For safer, more reliable performance and easier servicing
- 9 Heavy-duty ball guides and manifolds** — Provide reliability even when passing abrasive solid and semi-solid materials
- 10 Manifold porting options** — Configurable in both NPTF and BSP threads



Solutions for any need

ARO Pit Boss pumps are available in three sizes for a variety of general transfer, dewatering, and solids-handling applications.

Specifications			
PIT BOSS DEWATERING PUMP	1-1/2"	2"	3"
Max flow — gpm (L/min)	80 (302.8)	156 (590.5)	217 (821.3)
Max discharge pressure — psi (bar)	120 (8.3)	120 (8.3)	120 (8.3)
Max particle size — inches (mm)	0.5 (12.7)	0.75 (19.0)	1 (25.4)
Pump weight — lb (kg)	55 (25)	74 (34)	118 (54)
Fluid ports	1.5" NPTF and BSP (female)	2" NPTF and BSP (female)	3" NPTF and BSP (female)
Accessories			
	1-1/2"	2"	3"
Filter / regulator	P29241-610	P29241-610	P29241-610
Air line kit	66084-1	66312	66312
Air section repair kit	637118-C	637434	637434
Fluid section repair kit	637469-XX	637468-XX	637467-XX
Muffler kit	67463	67389	67389

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Center body material / fluid connection 15 Aluminum / 1-1/2" NPTF 17 Aluminum / 1-1/2" BSP 25 Aluminum / 2" NPTF 27 Aluminum / 2" BSP 30 Aluminum / 3" NPTF 32 Aluminum / 3" BSP	Fluid cap and manifold material / hardware 0 Aluminum / carbon steel	Seat material 1 Aluminum	Ball material 2 Nitrile C Hytrel E Santoprene	Diaphragm material 2 Nitrile 9 Hytrel B Santoprene
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Local service, global reach

No matter where your operation is located, ARO is committed to serving you 24 hours a day, seven days a week. If you need assistance at any time, give us a call at (800) 495-0276 or visit our Web site, fluids.ingersollrand.com.