



ARO[®]

PUMP PRODUCTS

FOR THE MINING INDUSTRY



Pumps and products that deliver in every phase of mining operations

ARO® air-operated pumps have been utilized in the mining industry for decades. Their rugged reliability, stall-free operation and convenient portability have made them a fluid handling favorite in every phase of mining operations. These include mud and muck pumping, dewatering, drift dewatering, fuel-transfer, lubrication and more.

As part of worldwide Ingersoll Rand, ARO® has the expertise, the technologies, the resources and the performance that is legendary. If your mining operation has a pumping challenge that your current pumps are struggling with...maybe its time you tried a legend: ARO®.



Use the new ARO® Dewatering Diaphragm pumps for these and other mining applications:

Concrete Wall Support Transfer Pumping

Mud and Muck Pump-Out

Drift Dewatering

Mine Chemical Transfer and Supply

Solids and Semi-Solids Evacuation

Drillers Mud

Powerful Suction Lift: The new Dewatering Series pumps have been engineered to address this key performance capability, where it comes to getting fluids up and out of critical areas within the mine.

Big Flow Rates: Our new Dewatering Series Diaphragm Pumps can deliver industry leading flow rates to cover even the most demanding operation in the mine.

Need to Pump Solids or Semi-Solids? No Problem! The Dewatering Series pumps can handle semi-solids up to 1" (25.4 mm) in diameter. Simply remove two bolts and the front of the screen comes off for easy access to large NPT or BSP threaded inlet ports.

Comfort-Grip Handles Improve Portability. While air-operated diaphragm pumps are valued for their portability around the site, having handles on the pump make things even more convenient. Our new Dewatering Series pumps feature comfort-grip handles that allow the user or maintenance personnel to get the pump from point A to point B quicker and with less hassle.

Maintenance – Wise, Bolted is Better. Our new dewatering pumps feature bolted construction for faster and easier maintenance...especially when compared to band clamps that require two people and three hands to re-assemble.

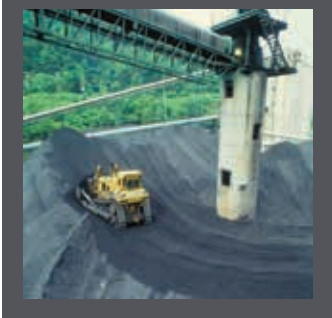
New, Easy-Access Screened Inlets In mining operations where pumping conditions include all sorts of unwanted debris, our new pump inlet screens keep the trash out of the pump. And when its time to remove for pump inspection or replacement, they have an all-new, easy-to-access design that will cut maintenance time down to size.

Stall-free, Ice-Free Operation: The patented ARO air motor design is an integral part of the new Dewatering Series pumps. When other pumps stall out or ice-over, especially in intermittent operation, the ARO pump keeps on going...without any need to apply hot water or hammers.

Rugged and Reliable: We understand the world of mining; operating conditions that can be brutal on production equipment. Our Dewatering Series pumps, and all of our equipment, have been built to both withstand and flourish in these extreme conditions.

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

PIT BOSS PUMP SIZES	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)



Model S35

THE DESIGN STANDARD FOR HEAVY DUTY SUMP PUMP

The model S35 sump pump is designed for South African conditions. Made from spheroidal graphite cast iron for durability and strength, the pump will not crack or bend even under the most rigorous conditions. A high performance unit capable of delivering volume of 900 liters/min. The S35 vertical head is 72 meter stalling height.

Mode	Height mm	Mass kg	Discharge Size	Air Inlet Size	Exhaust Size	Air Cons. M ³ /min
S35	570,0	36,0	50 mm 2"BSPT	25 mm 1"BSPT	32 mm 1"BSPT	3,9

- High wear-resistant impeller
- Tough durable housing
- High wear-resistant impeller
- Oversize heavy duty bearings
- Laminate phenolic resin rotor vanes running in a cast iron cylinder for optimum service life
- Grease pressurized water seals for extended seal life
- Simple robust governor design to prevent over speeding and cavitation
- Inlet air filter screen - easily removable for inspection and cleaning



Model S35



About ARO®

ARO® is a worldwide manufacturer of fluid management products that are skillfully engineered to deliver performance and serviceability, allowing success to flow freely in our customers' businesses. That's why ARO® is fluid intelligence—the smart choice in fluid management products for industrial operations.

With over an 85-year legacy of premier product performance and service excellence, ARO® provides fluid management equipment for customers and industries around the globe, including chemical, manufacturing, energy, pharmaceutical, mining and more.

ARO® has the right product to meet our customers' specific needs. We offer air-operated diaphragm pumps, piston pumps and packages, filters, regulators, and lubricators (FRLs), lubrication equipment, and pneumatic valves and cylinders.

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www.AROzone.com

arotechsupport@irco.com

youtube.com/aropumps

(800) 495-0276

ARO®

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