



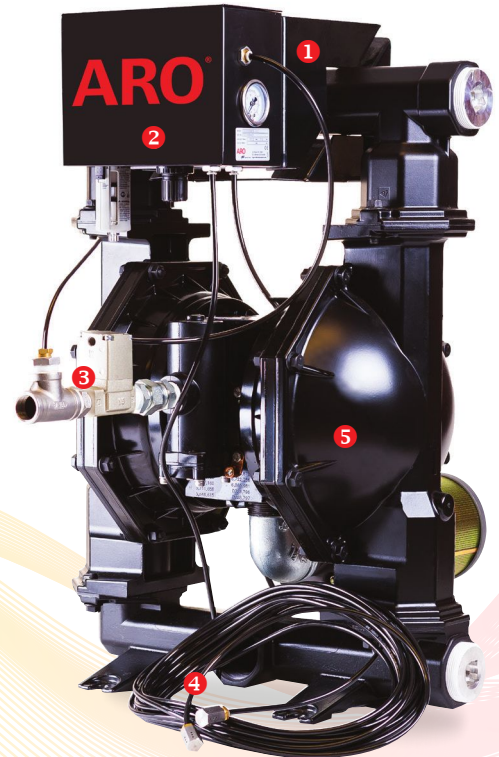
AUTOMATIC DEWATERING SYSTEM

Air Operated Control Solution with Liquid Level Sensing

The ARO® Automatic Dewatering System offers automatic on/off controls for Pro and EXP diaphragm pumps. A pneumatically controlled Liquid Level Sensor is used to easily control the fluid level within a desired range. The Automatic Dewatering System will limit the monitoring labor and reduce air consumption by avoiding dry running of the pump.

Featured

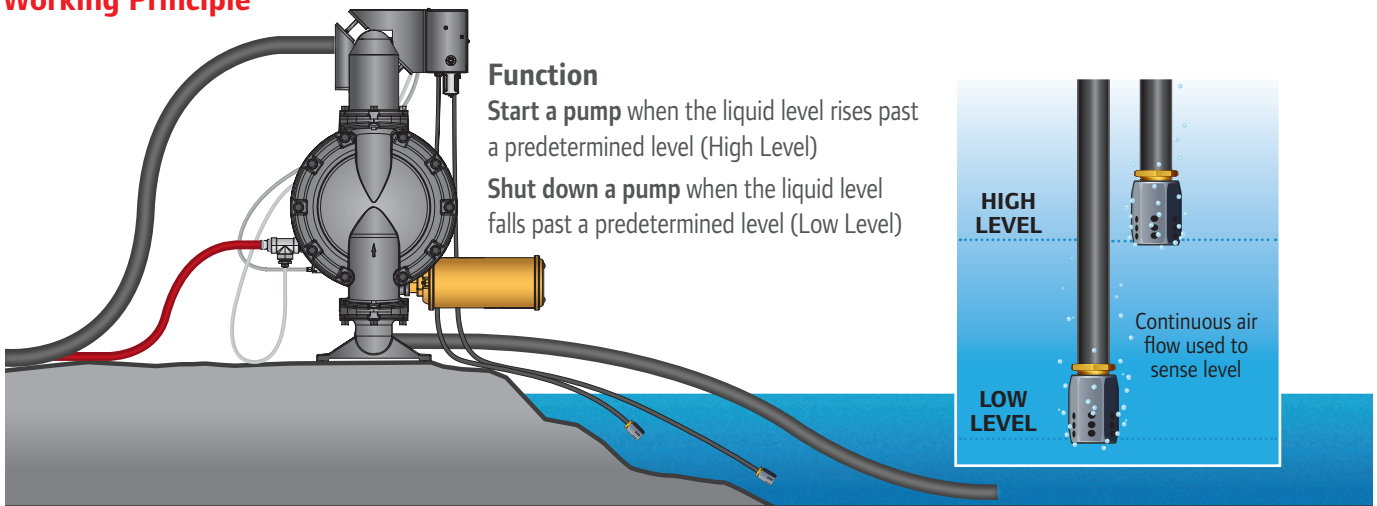
- Simple design is easy to setup and use
- All pneumatic operation eliminates electrical ignition source
- High/Low level control maintains fluid between established levels
- Reduces air consumption by avoiding pump dry running
- Portable system with directly mounted liquid level sensor
- Optional high pressure low level sensor to prevent screen blocking



- 1 Bracket
- 2 Liquid Level Sensor
- 3 Pneumatic Controlled Valve
- 4 Sensing Tubes with Screen
- 5 Pro/EXP Series Diaphragm Pump (purchase separately)

AUTOMATIC DEWATERING SYSTEM	
SCD501BN08-V1D	Dewatering Kit (without pump)
PUMP COMPATIBILITY	
2" EXP Series Pump	PX20X-XXX-XXX-X, PX20P-FXS-XXX
2" PRO Series Pump	6662XX-XXX-C
3" EXP Series Pump	PX30X-AXX-XXX-X, PX30X-BXX-XXX-X
3" PRO Series Pump	6663XX-XXX-C

Working Principle



Optional High Pressure Low Level Sensor: As the water level height increase, air at supply pressure flows through Low Liquid Level Sensing Tube to blow out and debris in and around the sensor tube screen. Once the pump started, the flow to the low liquid level tube is reduced to allow low level sensing.

See reverse side for additional information.



SPECIFICATIONS

Temperature Range- °F (°C)	32 – 122 (0 - 50)
Air Supply Pressure- psi (bar)	29-101 (2-7)
Weight w/o Pump lbs (kg)	11 (4.8)
Air Connection Size	Rc 3/4"
Sensing Tube lengths - ft (m)	66 (20)
Sensitivity to detect liquid level- in (cm)	2-4 (5-10)

SERVICE KITS

SS-BQG550	Mounting Bracket
PNCV-1/2	Pneumatic Controlled Valve
637523	Sensing Tube and Filter Kit

DIMENSIONS

Pump	A		B		C		D		E	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
2" Metallic EXP	553.1	21.8	711.7	28.0	172.5	6.8	300.0	11.8	723.1	28.5
2" Metallic PRO	466.8	18.4	710.8	28.0	169.5	6.7	297.0	11.7	660.0	26.0
2" Plastic EXP	426.1*	16.8*	819.0	32.2	188.3	7.4	315.9	12.4	731.0	28.8
3" Metallic EXP	570.5	22.5	855.4	33.7	195.9	7.7	323.5	12.7	728.1	28.7
3" Metallic EXP	480.0	18.9	856.9	33.7	195.7	7.7	323.3	12.7	664.8	26.2

* NOTE: Dimensions for LLS installed on the same side of the air input line.

