



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

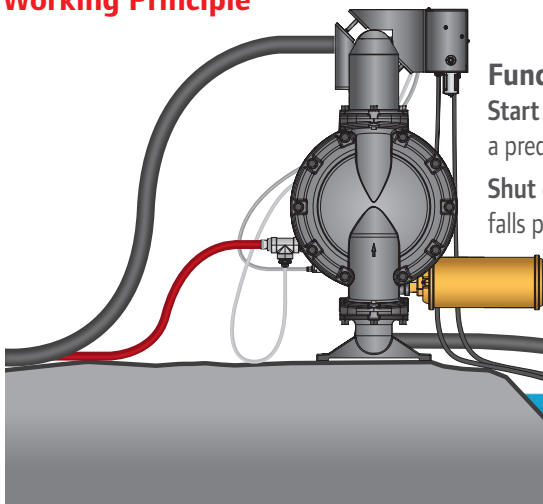
- Simple design is easy to setup and use
- All pneumatic operation eliminates electrical ignition source
- High/Low level control maintains fluid between established levels
- Reduces air consumption by avoiding pump dry running
- Portable system with directly mounted liquid level sensor



- 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
Other EXP/Pro Series are compatible with remotely mounted Liquid Level Sensor by reducing air inlet fitting from 3/4"-14 NPTF-1 to necessary size.	

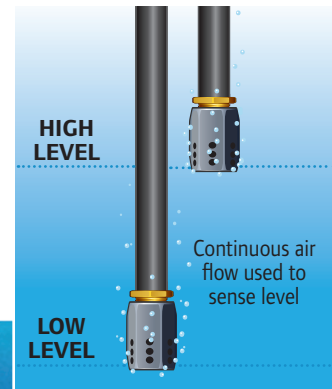
Working Principle



Function

Start a pump when the liquid level rises past a predetermined level (High Level)

Shut down a pump when the liquid level falls past a predetermined level (Low Level)



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 Screen 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 PRO	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.

