

Bubbler Air Supply (Constant Run)



Part No. BASCR-30N



Introducing Ingram's new bubbler system air supply. The Bubbler Air Supply Continuous Running unit has been redesigned with the industrial control panel designer in mind. Its smaller footprint and separate housings for the pump and control chassis will take up less space in your unit. The BASCR-30N measures and controls the bubbler pressure and air flow for any 0 to 10, 20 or 30 ft bubbler type level controlling system. Bubbler systems are simple, reliable, inexpensive, well suited for corrosive or slurry fluid environments such as would be found in lift stations, and meet intrinsically safe requirements. Simply adjust in the field for the level you need, following the instructions printed on the unit.

Features

- Oil-less, non-lube die cast aluminum pump* with thermal protection and built-in unloader
- Pressure gauge
- Adjustable flowmeter
- User adjustable for 0 to 10/20/30 ft. liquid levels
- Cooling fan for hot environments
- Comes with pre-assembled check valve, intake air filter, tees and barbed fittings
- All components mounted to sturdy brushed aluminum frame
- Can be fastened to panel with four #8-32 screws

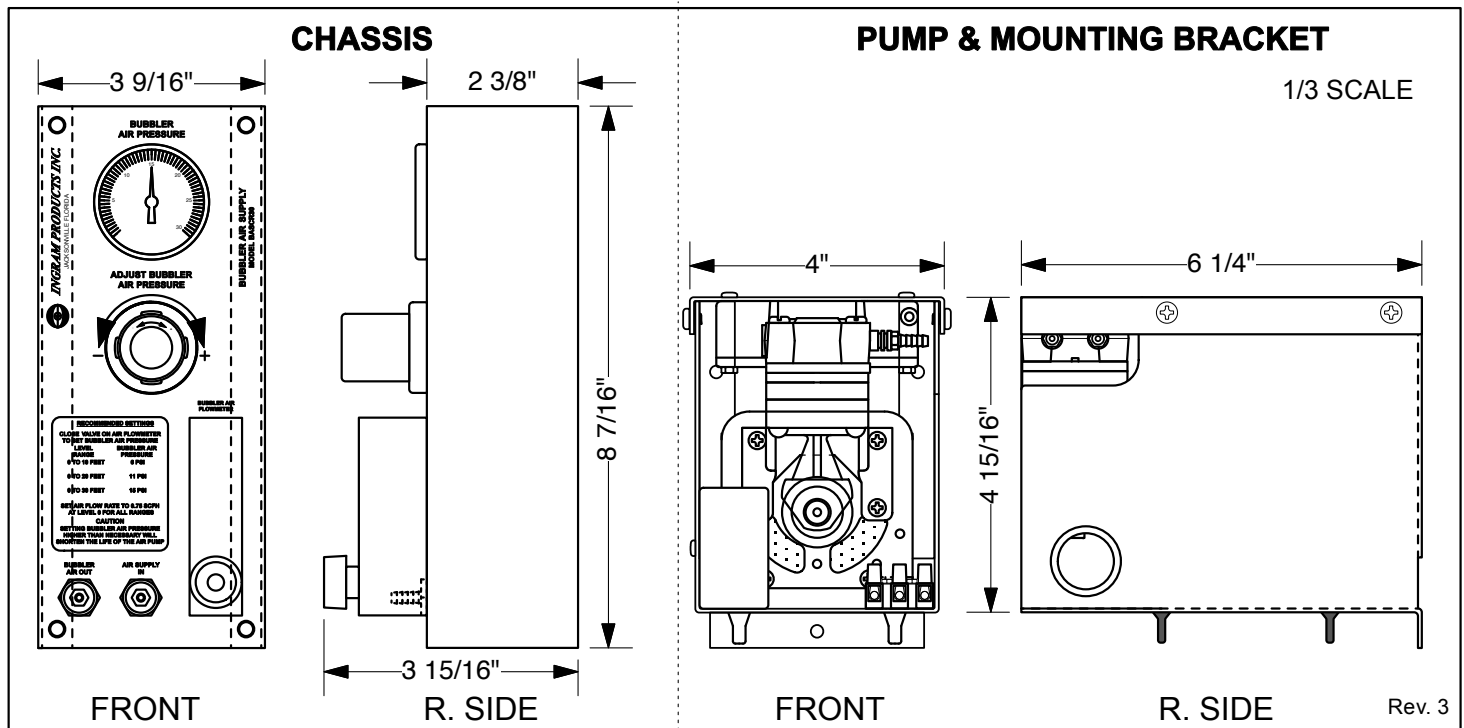
* Replacement p/n PV27P19M120A.
See catalog for more details.

Technical Specifications

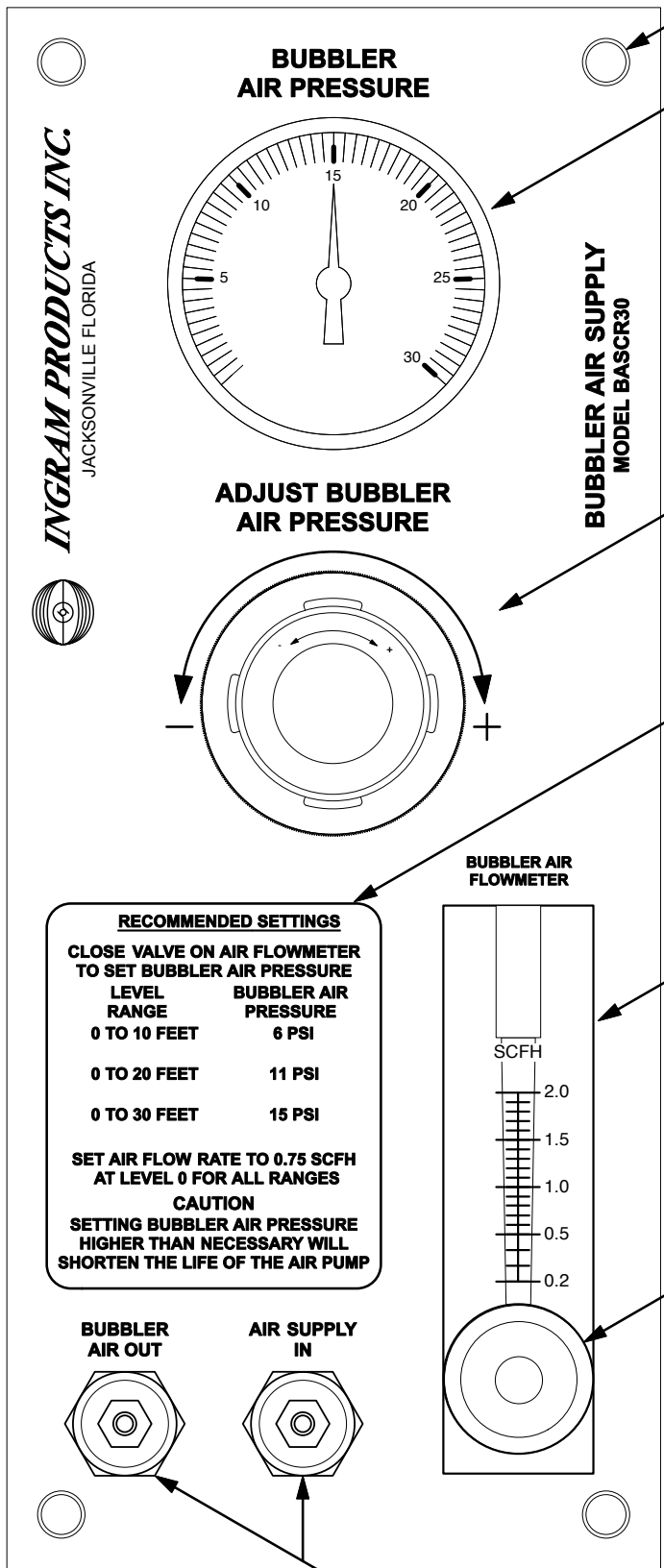
- Voltage: 115VAC, 60Hz
- Current: 430 mA
- Power: 47 Watts (Power Factor = .96)
- Pump Motor: 4P, Condenser Run Type
- Thermal Protection: Auto reset @ 135°C
- Ambient Temp: 0~50°C
- Weight: Chassis 1.1 lbs. (0.5 kg)
Pump & Bracket 3.4 lbs. (1.5kg)

Also Included:

- (1) 25 feet of urethane tubing, 1/4" OD x 1/8" ID for use with 1/8" barbed fitting.
- (4) 1/4" NPT pipe thread to 1/8" ID tubing.
- (2) 1/8" NPT pipe thread to 1/8" ID tubing.
- (1) 1/4" NPT female "T" fitting.
- (1) 1/8" barbed "T" fitting.



BASCR30 Continuous running (Bubbler Air Supply) pneumatic control chassis.



A. Mounting holes for # 8-32 screws.

B. Bubbler air pressure gauge. This gauge indicates the pressure applied to the bubbler tube. The recommended pressure setting for 10, 20 and 30 feet of liquid level is screened on the pneumatic chassis. **Using less pressure means less wear and increased life for the motor and compressor.** 0.432 PSI is required for each foot of liquid level. For example to indicate 20 feet of liquid level it will require exactly $20 \times 0.432 = 8.34$ PSI. We recommend 11 PSI so bubbles will always be flowing through the bubbler tube even if the level is at 20 feet. There is no benefit to setting the pressure any higher than it needs to be.

C. Special regulator vents any air coming from the air compressor above the set pressure indicated on gauge B (above) to atmosphere. Again, keeping the pressure on the air compressor as low as practical will greatly extend its life.

D. Recommended settings for 0 to 10, 20 and 30 feet of liquid level indication and control.

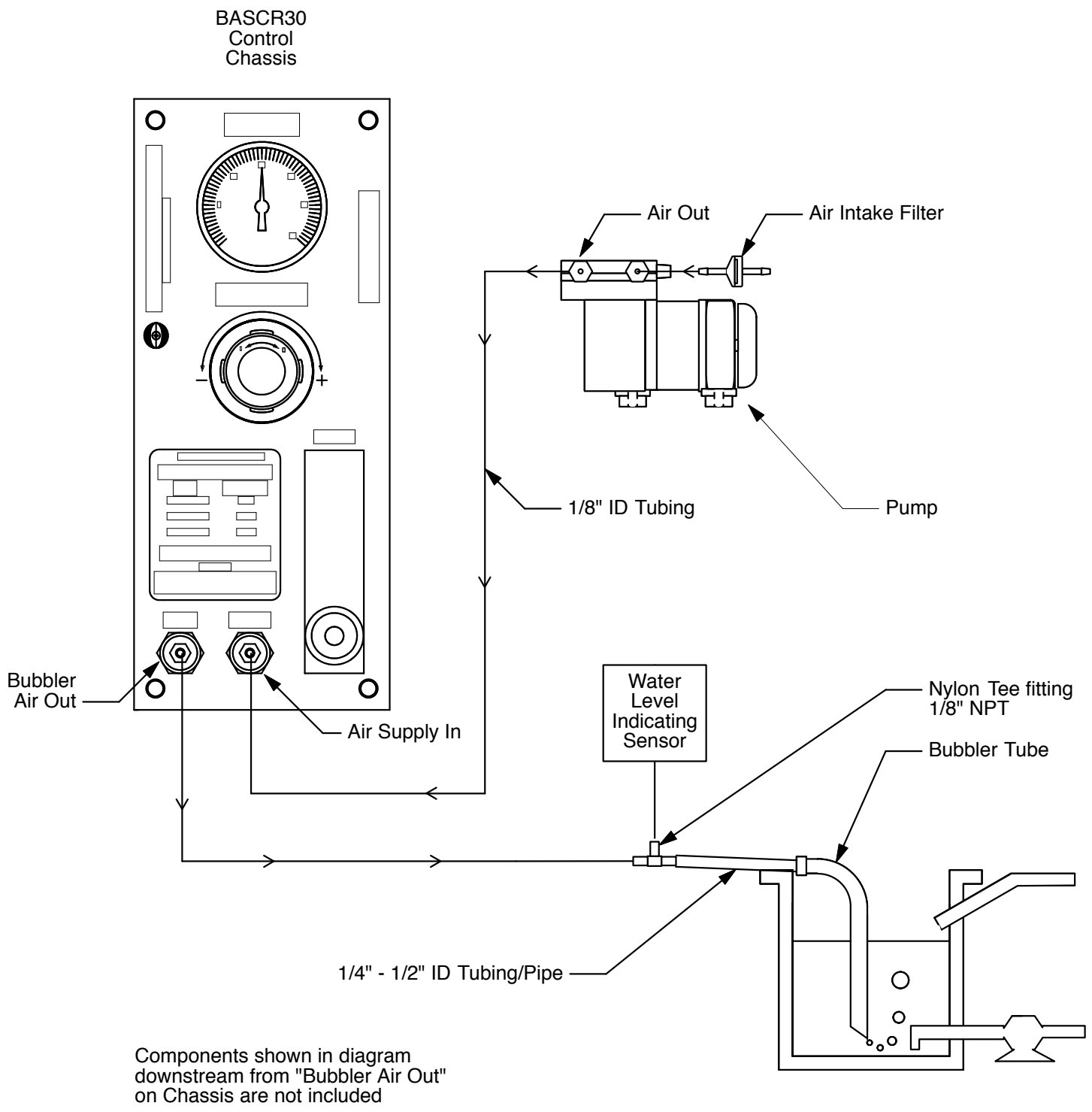
RECOMMENDED SETTINGS	
CLOSE VALVE ON AIR FLOWMETER TO SET BUBBLER AIR PRESSURE	
LEVEL RANGE	BUBBLER AIR PRESSURE
0 TO 10 FEET	6 PSI
0 TO 20 FEET	11 PSI
0 TO 30 FEET	15 PSI
SET AIR FLOW RATE TO 0.75 SCFH AT LEVEL 0 FOR ALL RANGES	
CAUTION SETTING BUBBLER AIR PRESSURE HIGHER THAN NECESSARY WILL SHORTEN THE LIFE OF THE AIR PUMP	

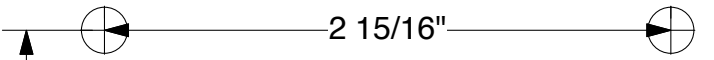
E. Air flow meter indicates the amount of air flowing to the bubbler tube. We recommend that the setting be 0.75 SCFH (standard cubic feet of air per hour) at zero pressure level. The airflow will be reduced as the pressure increases. So long as one bubble comes out of the end of the bubbler tube every two to five minutes, the system is working properly. Too much air flowing through small tubing may create backpressure and indicate a falsely high reading.

F. Air flow adjustable needle valve. This knob can be adjusted to change the amount of air flow going to the bubbler tube.

G. Barbed tubing connectors are clearly marked as "AIR SUPPLY IN" and "BUBBLER AIR OUT".

BUBBLER AIR SUPPLY HOOKUP



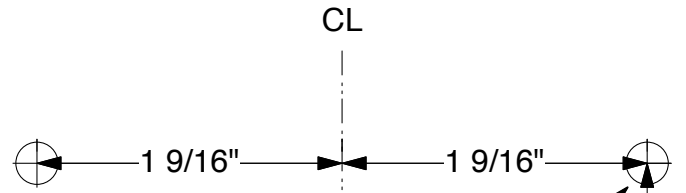


DRILLED & TAPPED TO #8-32 X 4

7 7/8"

MOUNTING HOLE TEMPLATE

CONTROL CHASSIS



DRILLED & TAPPED TO #8-32 X 3

4 1/16"

MOUNTING HOLE TEMPLATE

PUMP MOUNTING BRACKET