



# External Reservoir

# OASIS

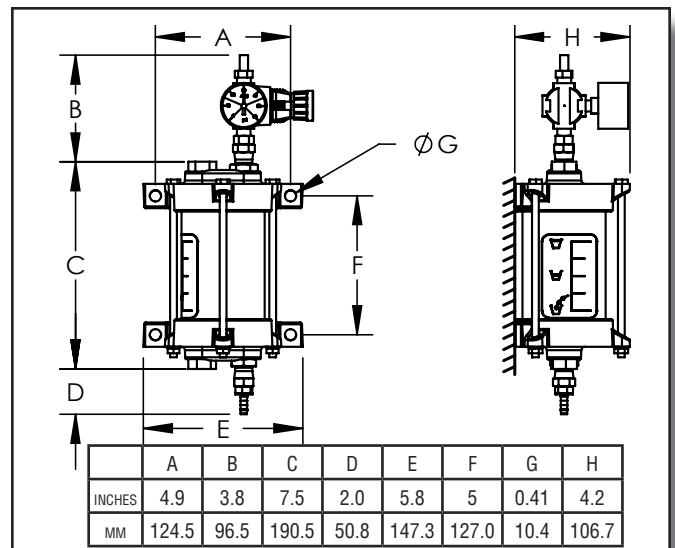
WetSeal Technology

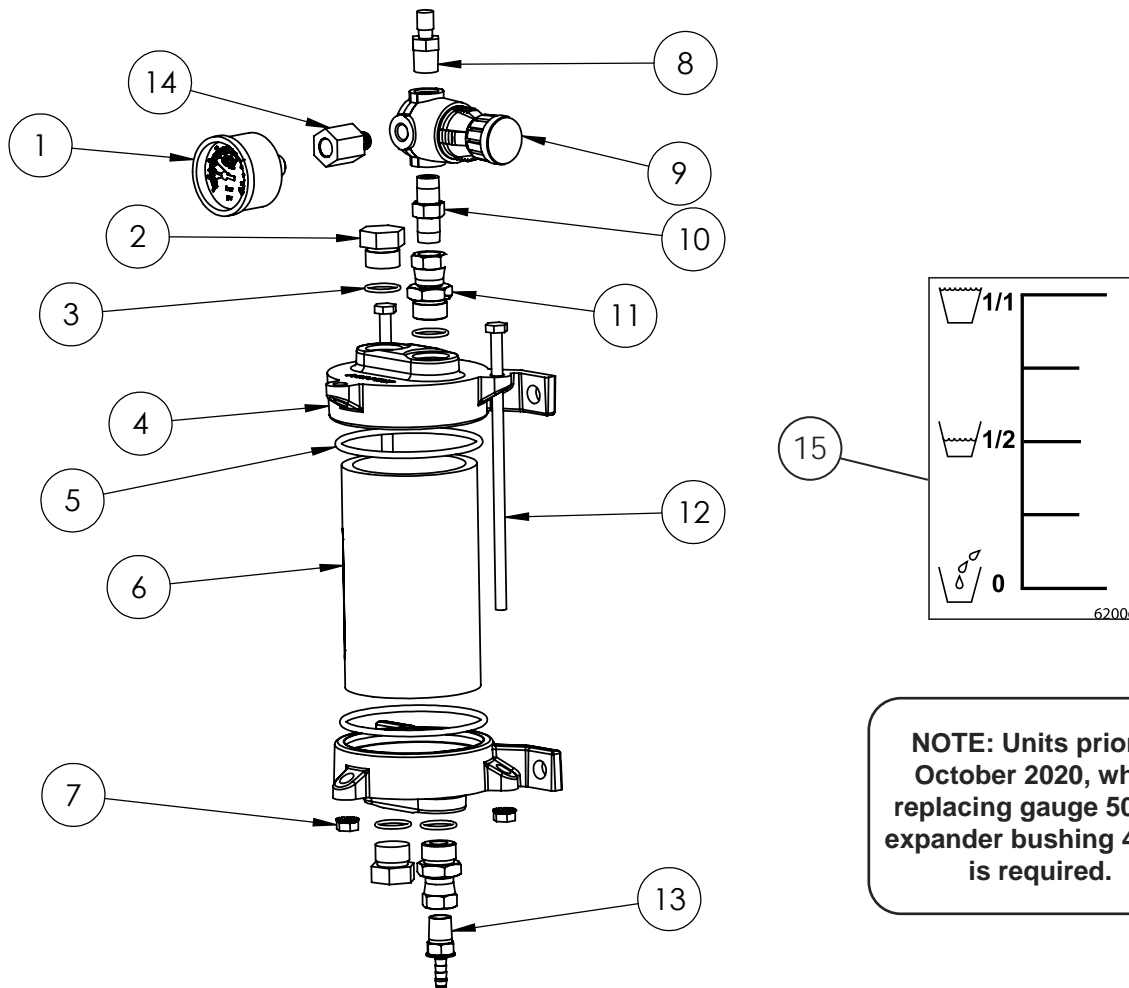


## OASIS-RES

- Use with Oasis WetSeal™ Technology pump models:
  - FMCWS-125 models
  - FMCWS-155 models
  - FMCWS-650 models
  - FMC-750F models
  - FMC-850F models
- Excellent visibility and easy service regardless of the pump location
- Provides extra barrier fluid for extended service intervals
- Connect air supply to machine air or charge manually
- Regulator assures ideal air pressure at all times

## DIMENSIONS





**NOTE: Units prior to October 2020, when replacing gauge 50150, expander bushing 44041 is required.**

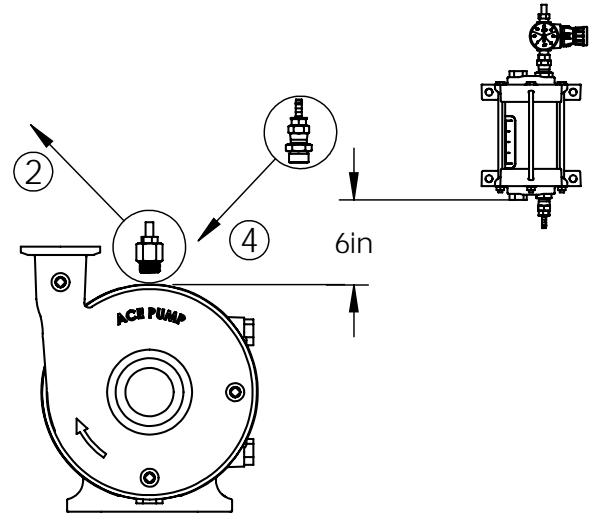
REF. #	PART NUMBER	EDP #	DESCRIPTION	REQ.
1	50150	50150	Gauge, 1.5" dia., 0-160 psi, 1/4" NPT back mount	1
2	41108	41108	Plug, SAE #8, hex head, with O-ring (41875)	2
3	41875	41875	O-ring, #8 SAE	5
4	BAC-16-RES	45269	End cap, reservoir, cast iron	2
5	45272	45272	O-ring, end cap	2
6	45271	45271	Tube, polycarbonate	1
7	60500	60500	Nut, 1/4" NC	3
8	41316	41316	Air valve, 1/4" NPT	1
9	45273	45273	Pressure regulator, 0-30 psi	1
10	45274	45274	Nipple, 1/4" NPT, close	1
11	45276	45276	Swivel, #8 SAE male x 1/4" FNPT	3
12	45277	45277	Cap screw, 1/4-20 UNC x 6.5", hex head	3
13	45278	45278	Hose barb, push loc, 1/4" NPT x 1/4" hose	2
14	44041	44041	Expander bushing, 1/4" FNPT x 1/8" MNPT	1
15	62006	62006	Label, fluid level	1
*	45279	45279	Hose, push loc, 1/4" black, 1 foot (30.5 cm)	6
*	55032	55032	Barrier fluid, quart	1

\* Items not shown.



## MOUNTING INSTRUCTIONS

1. Mount the pump in desired location.
2. Release air pressure and remove the fill plug with air valve from the top of the pump seal chamber.
3. Completely fill the pump seal chamber with barrier fluid (Ace part number 55032).
4. Install a swivel/hose barb assembly into the top of the pump seal chamber.
5. Mount the external reservoir following the requirements listed below:
  - Choose a location that is accessible for easy service.
  - Choose a location that is visible to the operator during walk around inspection.
  - Minimize the hose length between the reservoir and pump.
  - Locate the reservoir bottom at least 6”(15 cm) above the top of the pump seal chamber.
  - Identify a route for the hose with a continual upward slope from the pump to reservoir.



6. Use the included template to locate and drill mounting holes.
7. Attach the reservoir with 3/8” bolts, nuts, and lock washers (not included).
8. Install a swivel/hose barb assembly into the bottom of the reservoir.
9. Install the regulator assembly into the top port of the reservoir and tighten.
10. Install hose onto reservoir hose barb.  
**Note:** Lubricate the OD of hose barb and ID of the hose with water.
11. Route hose to pump with a continual downward slope.  
**Note:** Maintain a minimum hose radius of 2”(5 cm) at bends.
12. Secure hose to equipment frame to prevent snags or rubs.
13. Cut hose to length and install onto pump hose barb.  
**Note:** Lubricate the OD of hose barb and ID of the hose with water.
14. Fill external reservoir using the procedure listed below.

### Filling instructions:

1. Remove top fill plug from reservoir, fill with barrier fluid, and reinstall plug.
2. Add air pressure to force the fluid into the hose and pump seal chamber.
3. Slowly relieve the air pressure from the air fill valve. (The fluid will spray out in a mist if the pressure is relieved too quickly.)
4. Repeat steps 1 through 3 until no bubbles appear in the reservoir while relieving the air pressure.  
**Caution:** Failure to purge the air from the system will cause vapor lock in the hose, and the oil in the external reservoir will be unable to feed into the pumps seal chamber.
5. Add additional barrier/buffer fluid if needed to maintain fluid level in the proper range as indicated on the external reservoir.
6. Add air pressure and maintain pressure in the green zone during pump operation.  
**Note:** The suggested regulator setting is 25 psi when the system is cold.



# MOUNTING TEMPLATE

