



**Keller Products**

A DIVISION OF PLASTIC DESIGN, INC.

## **Portable Unit**

Assembly & Operating Instructions



## **Unpacking and Assembly Instructions**

## STEP 1

Unit comes in 3 boxes



- Bag Filter
- Cart
- Unit

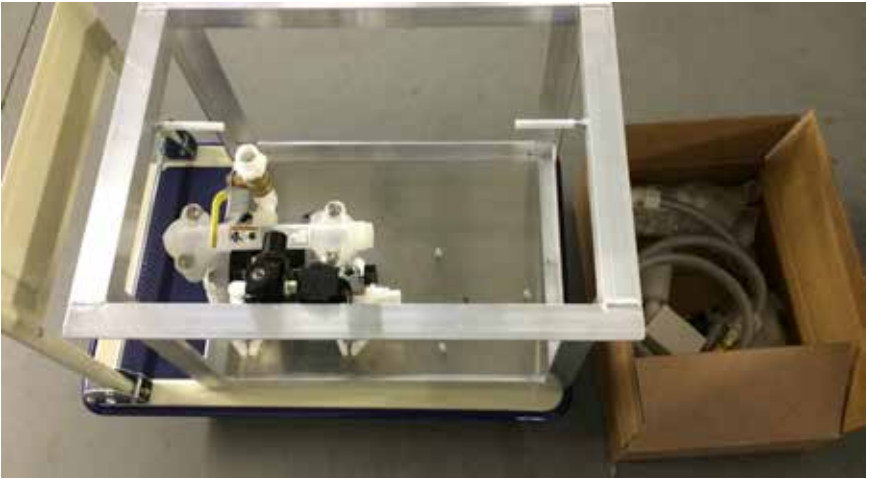
## STEP 2

Unpack Unit



## STEP 3

Mount Frame on Cart  
(Hardware in Accessory Box)



## STEP 4

Mount Filter on Frame  
(Attach Piping to Inlet of the Pump)



## STEP 5

Attach to Inlet of Pump





## STEP 6

Install Vacuum Gauge on Filter  
(Gauge in Accessory Box)



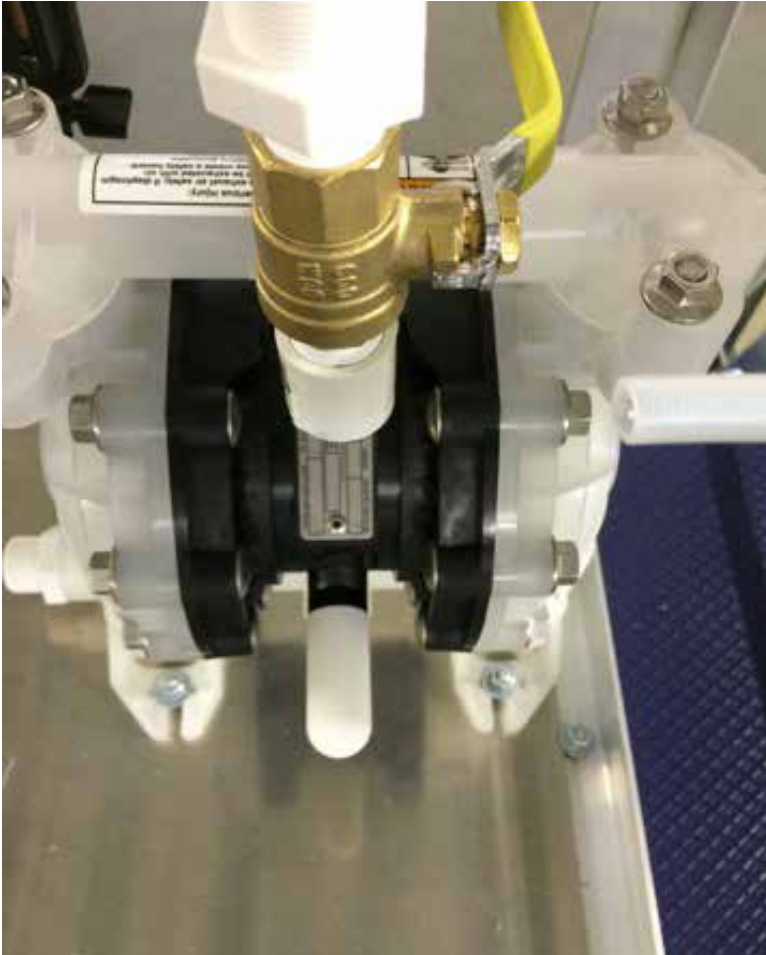
## STEP 7

Install Pressure Gauge on Regulator  
(Gauge in Accessory Box)



## STEP 8

Install Muffler on Pump Exhaust  
(Muffler in Accessory Box)



## STEP 9

Unpack Coalescing Tank



## STEP 10

Place Coalescing Tank on Frame



## STEP 11

Attach Clear Hose to Top of the  
Coalescing Pack



## STEP 12

Place Coalescing Pack in Tank



## STEP 13

Place Hose Through Cover,  
Attach to Discharge of Pump





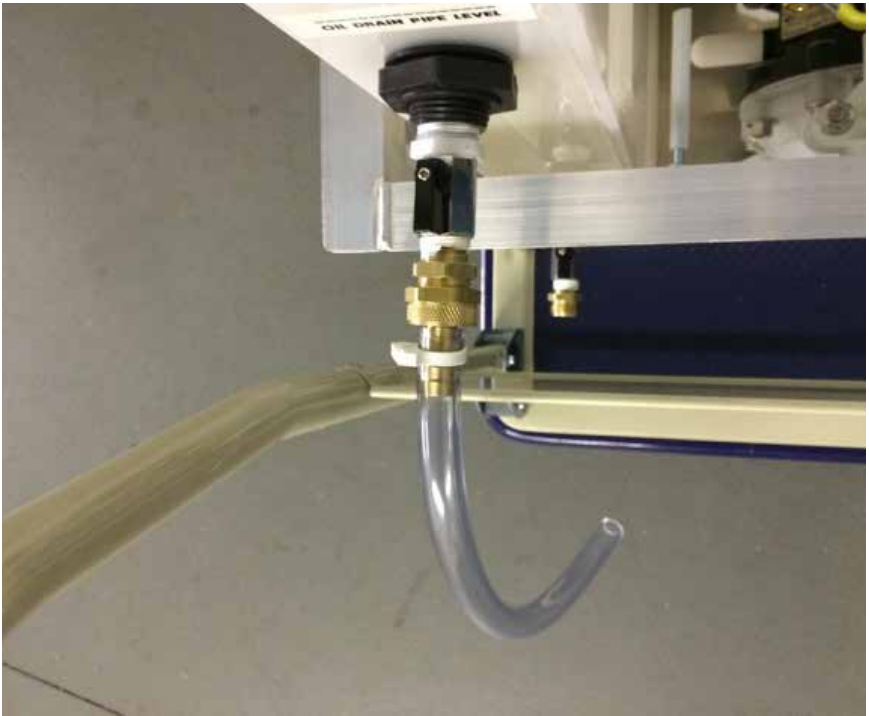
## STEP 14

Attach Tank Drain & Oil Drain  
to Rear of Coalescing Tank



## STEP 15

Attach Oil Drain Hose



## STEP 16

Attach 1.5" Quick Disconnect Fitting to  
Clean Coolant Overflow Port



## STEP 17

Finished Unit with Accessories



## STEP 18

### Finished Unit with Accessories



## 315, 365, 457, & 465 PARTS LIST

### INLET DEVICE

|            |                                  |             |
|------------|----------------------------------|-------------|
| RSM-3      | Adjustable Floating Inlet        | \$125.00    |
| BT-12      | Narrow Adjustable Floating Inlet | \$125.00    |
| YAZ-8      | Fixed Inlet                      | \$125.00    |
| 555-GIH-FT | Gray Inlet Hose                  | \$8.00/foot |
| 555-GIH-WF | Gray Inlet Hose w/ Fittings      | \$60.00     |

### EXTENDER HOSE

|           |                      |         |
|-----------|----------------------|---------|
| 555-203-4 | 4 Foot Extender Hose | \$65.00 |
|-----------|----------------------|---------|

### PRE-FILTER ASSEMBLY

|          |                        |                  |
|----------|------------------------|------------------|
| RBP-25   | 25 Micron Filter       | \$40.00/pack (5) |
| 22-175-N | O-Ring                 | \$21.95 each     |
| RAP-25   | 25 Micron Filter (315) | \$40.00/pack (5) |
| 22-475-N | O-Ring (315)           | \$23.00 each     |

### AIR DIAPHRAGM PUMP

|           |                      |          |
|-----------|----------------------|----------|
| 555-200-G | 1/2" Air Pump        | \$525.00 |
| 555-G-832 | Liquid Side Kit      | \$295.00 |
| 555-G-833 | Air Side Kit         | \$150.00 |
| GPM-038   | Generic Pump Muffler | \$27.00  |

### COALESCING PACK

|         |                         |           |
|---------|-------------------------|-----------|
| 555-040 | 315/365 Coalescing Pack | \$600.00  |
| 555-030 | 457 Coalescing Pack     | \$800.00  |
| 555-060 | 465 Coalescing Pack     | \$1200.00 |

### CLEAN COOLANT OUTLET

|          |                    |              |
|----------|--------------------|--------------|
| 555-300H | 1 1/2" Outlet Hose | \$8.50/foot  |
| 22-G12   | Bulkhead Gasket    | \$15.00 each |



## STEP 1

Locate a good spot in the sump to place the inlet device. The top lip of the inlet device should be visible above the fluid level.





## STEP 2

Connect the inlet device hose to the bag pre-filter inlet. If additional hose length is required, use the optional extender hose supplied with the unit.



## STEP 3

Connect discharge hose for return to sump.



## STEP 4

Place discharge hose return back in sump.



## STEP 5

Place quick disconnect fitting on air inlet.



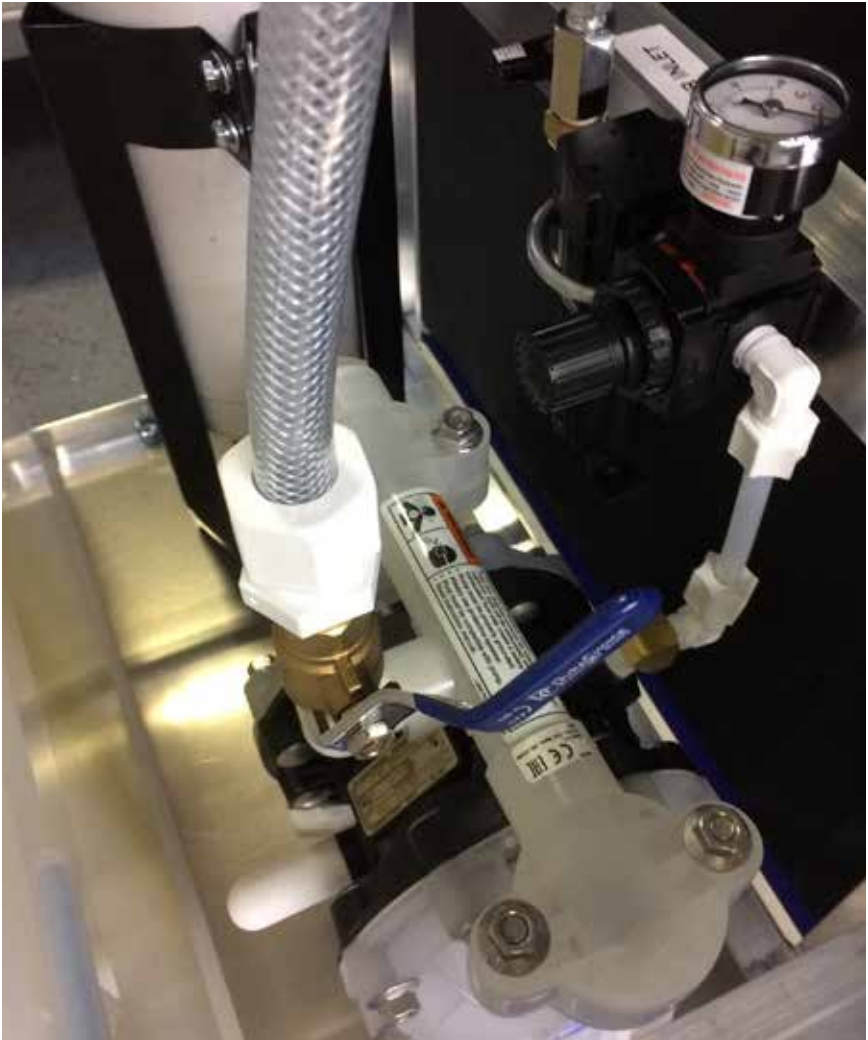
## STEP 6

Connect shop air line to unit.



## STEP 7

Set ½" ball valve on the discharge of the pump to a 45° angle, to control the speed of the pump.



## IMPORTANT NOTE

The pump is self-priming, although it is common to fill the pre-filter housing with water or coolant prior to starting the unit. Once the Keller separator tank fills to the overflow fitting, clean coolant will start returning back to the sump. The big item to watch for are air bubbles on the surface of the coolant in the Keller unit. It should be possible to run the Keller system with little, if any air entering the separator tank. A bubble here or there is not an issue. If the tank is boiling away, that is undesirable, since it will interfere with oil separation. Excessive air introduction is caused either by a loose connection on the suction side of the pump, or by running the unit too fast. Go back and check fittings and connections from the sump to the pump to make sure they are snug.



# **Keller Products**

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