

## PARTS LIST

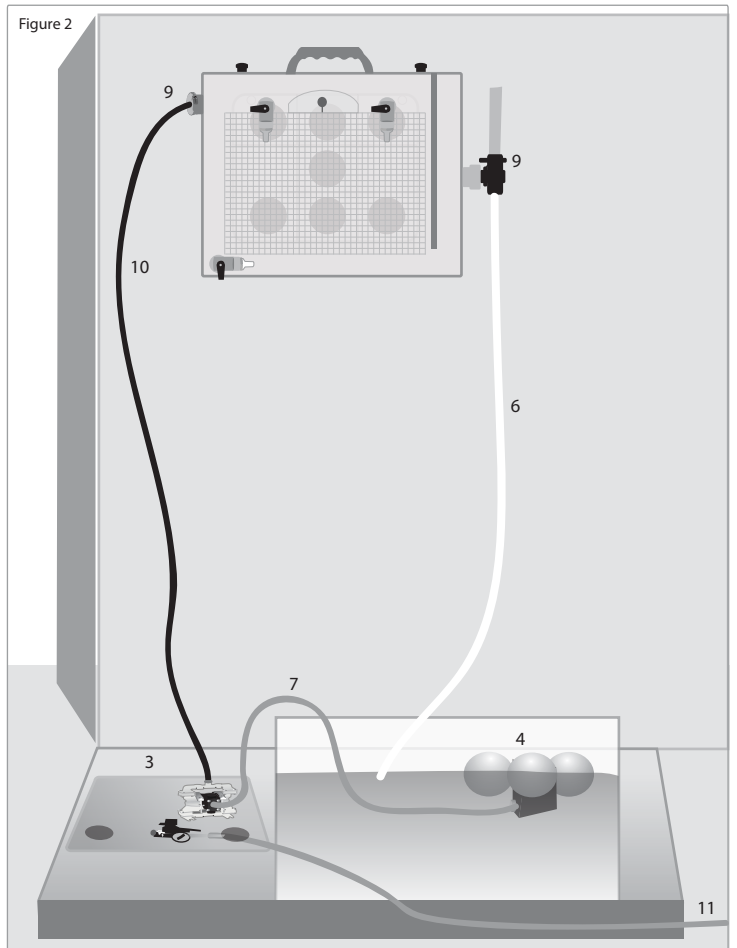
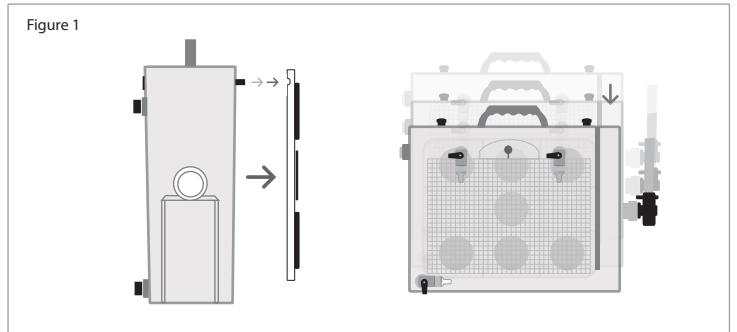
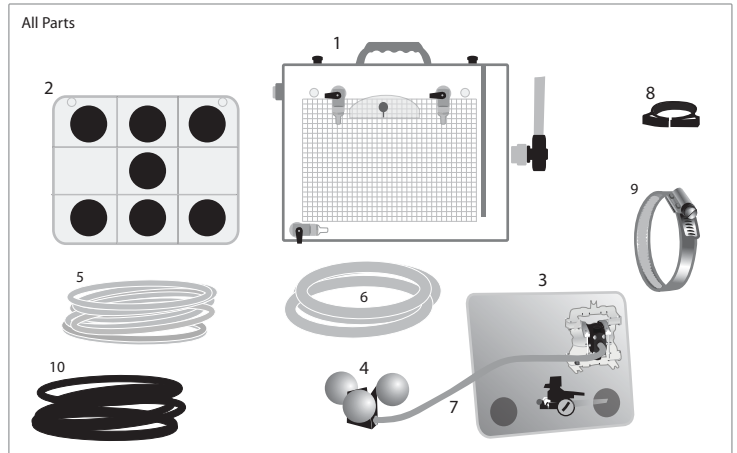
ITEM #	PART #	DESCRIPTION	QUANTITY
1	NJT 1501	C-Thru® Separator Tank	1
2	NJT 1701	Standard Magnet mount	1
3	NJT 5200	High Temp Air Pump Assembly	1
4	NJT 4000	Float Assembly	1
5	NJT 9005	½" (1.27 cm) clear pvc tubing	12 ft. (3.66m)
6	NJT 9010	1" (2.54 cm) clear pvc tubing	10 ft. (3m)
7	NJT 9030	½" (1.27 cm) clear corrugated tubing	5 ft. (1.52m)
8	NJT 9011	1" (2.54 cm) plastic clamp	1
9	NJT 5113	½" Band Clamp	2
10	NJT 9025	½" (1.27 cm) ID black tubing	8 ft (2.43m)

## ASSEMBLY INSTRUCTIONS

- Remove all parts from carton and ensure all items are present as indicated in parts list.
- Holding knobs, attach magnet mount to machine tool in desired location. Ensure magnet mount is level and remove knobs.



- Attach C-Thru® Separator to magnet mount via support hooks. The hooks should slide down and lock into place (See Figure 1).
- Attach air pump assembly in desired location on machine. Air pump assembly must be attached horizontally to ensure pump is vertical (see figure 2).
- Place float assembly in sump in desired location and ensure it is level.
- Attach ½" (1.27 cm) ID black tubing to outlet of pump and secure with ½" band clamp
- Cut ½" (1.27 cm) black tubing to correct length and attach to inlet of C-Thru® Separator and secure with a ½" band clamp
- Attach 1" (2.54 cm) tubing to outlet of C-Thru® Separator and secure with 1" (2.54 cm) plastic clamp.
- Place outlet of 1" (2.54 cm) tubing back into sump away from float and cut tubing to desired length to ensure flow back to sump is not restricted.
- Cut ½" (1.27 cm) clear tubing in half and attach to the two tramp oil valves. Place ends of clear tubes in container to collect tramp oil.
- Attach air line (#12 in Figure 2) to air pump assembly. Ensure air regulator valve is closed before attaching.



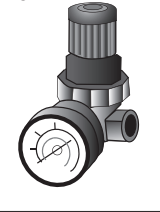
## OPERATING INSTRUCTIONS

- Ensure unit is secure, level and all valves are closed before starting unit. Open air pump regulator valve slowly until fully opened. Confirm fluid from sump is being pumped into C-Thru® Separator.

- Ensure no leaks are present from any of the fittings. If leak is noticed then remove fitting and add thread tape.

- Adjust air pressure reading between 50-60 psi on regulator via adjustment dial as viewed in Figure 7 to ensure proper flowrate is achieved. The pressure can be increased or decreased based on obtaining optimum vortex in the float without entraining air. Please note: the maximum pressure the regulator can handle is 150 psi (20.68bar), however, the air pump's maximum pressure is 100 psi (6.89 bar), therefore, please ensure to regulate the air pressure accordingly.

Figure 7



- Ensure float is working optimally. The float should be level and a noticeable vortex should be occurring within the triangular body of the float (See Figure 4). Oil from the top of the sump should be flowing into float. If oil is present in the sump and not being sucked into the float then lower the float balls and try again.

- Remove tramp oil from C-Thru® Separator via the two tramp oil valves when noticeable oil has collected below the valves (See Figure 3).

- Close tramp oil valves when "good" fluid is starting to reach tramp oil valves.

Figure 3

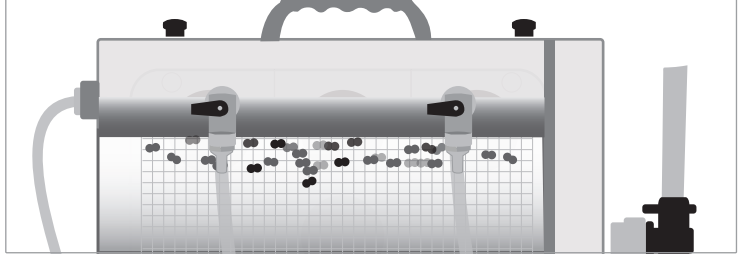
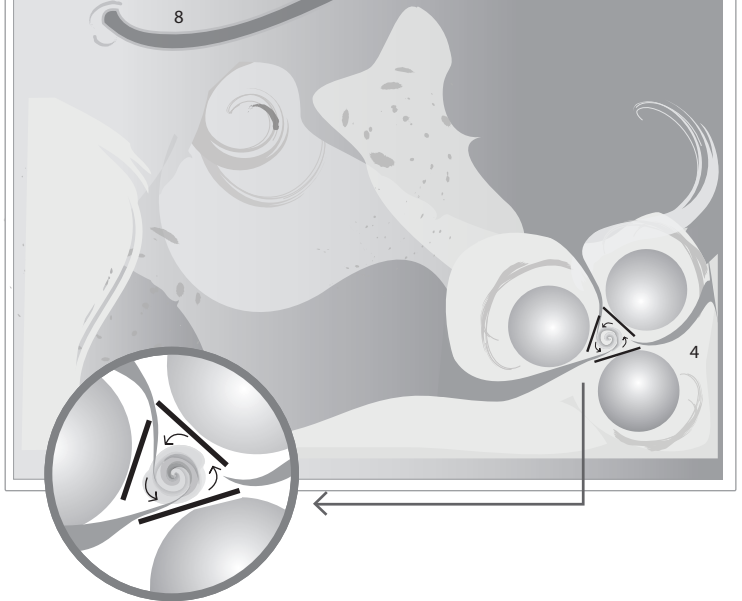


Figure 4



## CLEANING INSTRUCTIONS

- Turn off C-Thru® Separator.

- Remove coalescing media from C-Thru® Separator by removing lid and pulling upward on media handle (See Figure 5).

- Place media immediately into container to ensure fluid trapped in media does not spill on ground.

- Wash off media using water or any water based cleaning solution applied by spray to ensure contaminants attached to media are removed (See Figure 6).

Repeat process on a regular basis to ensure media has the optimal oil coalescing surface available.

**Note:** Perform a full cleaning of the unit at least once a year by removing C-Thru® Separator from magnet mount and washing thoroughly. Any water based detergent, such as dishwashing liquid in warm water, is suitable. Please ensure fluid temperature is less than 180°F (60°C).

Figure 5

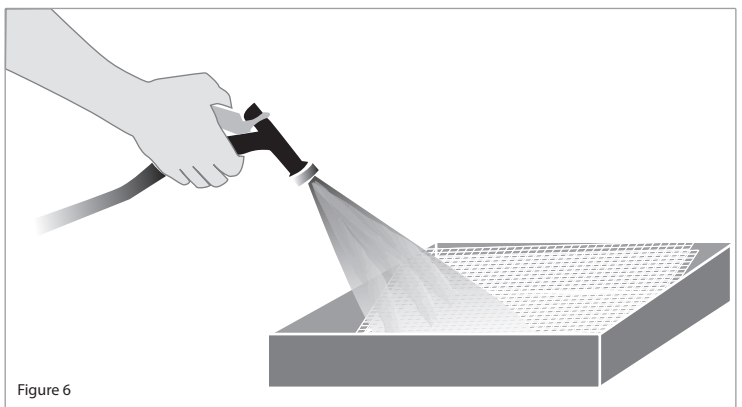
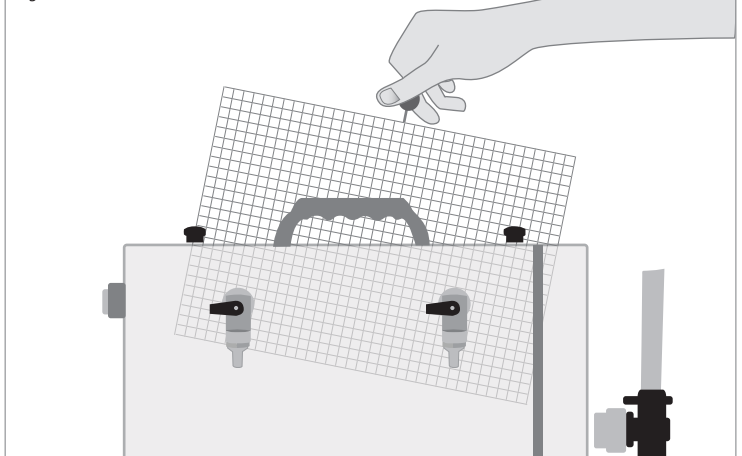


Figure 6