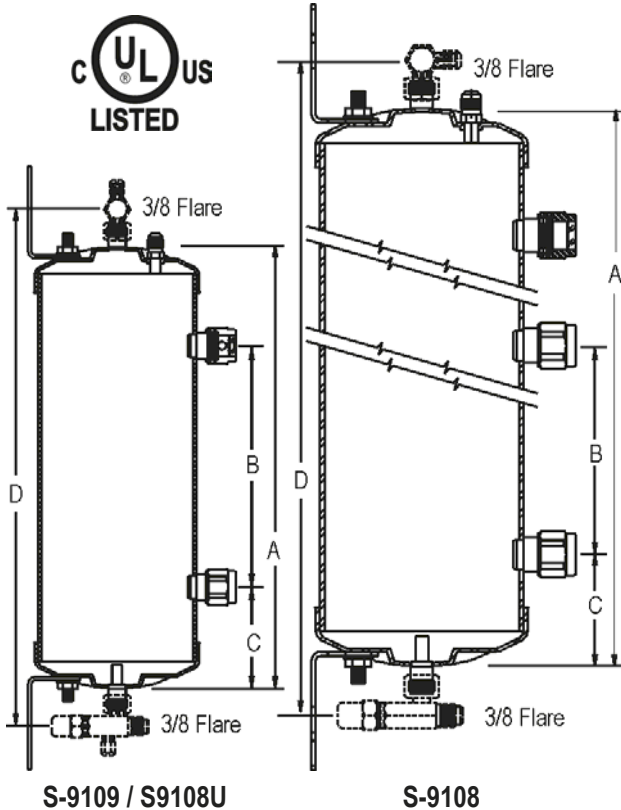




Due to system design, loads & defrost cycles, varying amounts of oil can be returned by the oil separator. Because of this, a safety reserve of oil is required for the operation of our oil control system. The oil reservoir is the holding vessel for this stand-by oil. It has sight glass ports to observe the oil level inside the vessel. The valve on top of the Oil Reservoir receives oil from the Oil Separator, and the bottom valve distributes oil to the Oil Level Regulators. The valves are backseating and have a 1/4" flare connection, allowing the addition or removal of oil from the reservoir. High pressure gas returns with the oil from the Oil Separator to the Oil Reservoir. Pressure could increase in the Oil Reservoir to adversely affect the Oil Regulators. To prevent this, a vent line is installed from the top of the Oil Reservoir to the suction line. This line permits the pressure in the Oil Reservoir to be approximately the same as the suction line and the compressor crankcases.

The 4 gallon model Cat. No. S-9108 should be used on very large systems, or systems with excessive oil charges, long line runs or any case where suction oil return may be impeded.



NOTE: Larger systems or compressors that discharge more oil should use a 4 gallon reservoir. It is possible to pipe two identical reservoirs in parallel to increase the holding capacity. The oil lines attach to the valves at the top and bottom should be teed together. Selecting a size depends on customer preference.

Catalog No.	No. Sight Glasses	Dimensions in inches D	Capacity in Gallons		
			A	B	C
S-9108	3	37.94"	4	1-3/8	3/4
S-9108U	2	28.94"	3	1-3/4	3/4
S-9109	2	19.94"	2	3/4	3/4