

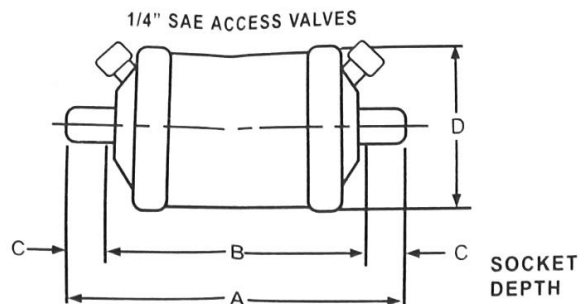


INSTALLATION INSTRUCTIONS FOR SSLD TYPE LIQUID LINE FILTER-DRIERS

GENERAL

1. **WARNING:** Install with arrow pointing in direction of flow (toward compressor). Reverse flow may cause internal damage.
2. May be installed in vertical or horizontal suction lines.
3. Installation upstream of vibration eliminators is suggested.
4. Do not install access valve cores until all brazing is completed. Installation prior to brazing may cause damage to valve cores, seals.
5. **SEAL REMOVAL-** Remove seal caps and install immediately to minimize moisture contamination.
6. Install close to compressor for best results.
7. Clean and deburr piping ends to provide good brazing surfaces.
8. Use an inert gas such as nitrogen to pass through the lines while brazing to prevent formation of copper oxides.
9. High temperature brazing alloys may be used. Normal precautions should be taken by directing the flame away from the filter-drier shell. Use chill blocks, wet rags, or other suitable heat protection for the filter-drier.
10. When shell has cooled, install access valves with tool provided and replace seal cap.
11. Test for leaks. Failure to do so could result in loss of refrigerant.

TABLE 1. HERMETIC MODELS							
Filter-drier Model	Connection Size & Style	Filter Area (sq. in.)	Filter-Drier Dessicant Volume (cu. in.)	DIMENSIONS			
				A	B	C	D
SSLD-083	3/8 SAE	23.3	8.5	5-5/8	-	-	2-5/8
SSLD-083S	3/8 ODF			5-1/4	4	5/8	
SSLD-084	1/2 SAE			5-15/16	-	-	
SSLD-084S	1/2 ODF			5-5/16	4-1/16	5/8	
SSLD-085	5/8 SAE			6-1/8	-	-	
SSLD-085S	5/8 ODF			5-9/16	4-1/16	3/4	
SSLD-164	1/2 SAE	32.0	16	7-1/8	-	-	2-5/8
SSLD-164S	1/2 ODF			6-1/4	5	5/8	
SSLD-165	5/8 SAE			7-9/16	-	-	
SSLD-165S	5/8 ODF			6-9/16	5	3/4	
SSLD-166S	3/4 ODF			6-15/16	5-1/16	15/16	
SSLD-167S	7/8 ODF			7-1/8	5	1-1/16	
SSLD-169S	1-1/8 ODF	56.4	33	7-1/8	5-1/16	1-1/16	3-5/32
SSLD-305	5/8 SAE			10-3/16	-	-	
SSLD-305S	5/8 ODF			9-7/32	7-11/16	3/4	
SSLD-306S	3/4 ODF			9-5/8	7-3/4	15/16	
SSLD-307S	7/8 ODF			9-13/16	7-11/16	1-1/16	
SSLD-309S	1-1/8 ODF				7-3/4	25/32	
SSLD-417S	7/8 ODF	69.1	41	9-15/16	7-27/32	1-1/16	3-21/32
SSLS-419S	1-1/8 ODF				7-7/8	25/32	
SSLD-487S	7/8 ODF	75.0	48	10	8-13/32	27/32	4-1/2
SSLD-489S	1-1/8 ODF			10-1/8			
SSLD-4811S	1-3/8 ODF			10-1/2	8-7/16	1	
SSLD-4813S	1-5/8 ODF			10-7/16	8-1/2	1	



COMPRESSOR MOTOR BURNOUT CLEAN-UP PROCEDURE SUCTION LINE FILTER-DRIER METHOD

1. Determine the extent of the burnout. For mild burnouts where contamination has not spread through the system, it may be economical to save the refrigerant. Normally, it is not economical to save the refrigerant charge if the system uses less than 25 pounds of refrigerant.

A severe burnout exists if the oil is discolored an acid odor is present and contamination products are found on the high and low side. CAUTION: Avoid breathing the acid vapors and avoid contact with the skin by contaminated liquid. Dispose of the contaminated refrigerant in a caustic solution. Failure to do so may result in personal injury.
 2. Thoroughly clean and replace all system controls such as Thermo Valves, solenoids, check valves, reversing valves, etc. Remove all strainers and filter-driers.
 3. Install replacement compressor and make a complete electrical check.
 4. Make sure suction line adjacent to compressor is clean. Install a suction line filter-drier. For a system equipped with a take-apart shell in the suction line, install new filter-drier blocks. Install a new oversized liquid line filter-drier.
 5. Pressure and leak-test the system according to unit manufacturer's recommendations.
 6. Triple evacuate to at least 50 microns. Break the vacuum with clean, dry refrigerant at 0 psig.
 7. Charge the system through a filter-drier to equipment manufacturer's recommendations.
 8. Start the compressor and put the system in operation. Record the pressure drop across the suction line filter-drier.
 9. Replace the suction line filter-drier if the pressure drop becomes excessive. Generally, the pressure drop should be considered excessive if it exceeds the following:
 - 4 lbs. drop for an air conditioning system.
 - 2 lbs. drop for a commercial system.
 - 1 lb. drop for a low temperature system.
 10. Observe the system during the first four hours. Repeat step 9 as often as required until no further pressure drop is observed.
 11. After the system has been in operation for 24 to 48 hours, check the odor and color of the oil. If it has an acid odor and is badly discolored, replace the liquid and suction line filter-driers.
 12. Check the system again after approximately two weeks of operation. If the oil is still discolored, replace the liquid and suction line filter-driers.
 13. Clean-up is complete when the oil is clean and odor free.
- For detailed burnout clean-up procedure and recommendations, consult the RSES Service Manual Section 91.

SERVICE INSTRUCTIONS

1. Upon installation and start up, measure and record the pressure drop across the suction line filter-drier by means of the dual access valves.
2. Continue to periodically record pressure drop. Change the filter-drier should the pressure drop become excessive.

NOTE: Allow filter-driers to remain in system for continued compressor protection.
For complete burnout cleanup recommendations, we suggest the RSES Service Application Manual Section 91.

SELECTION WARNING

Suction line filter-driers are intended for use on the following refrigerants up to the maximum working pressure marked on the product. Be sure the filter-drier is not required to operate at conditions exceeding the maximum working pressure.

- R134a (Tetrafluoroethane)
- R12 (dichlorodifluoromethane)
- R22 (monochlorodifluoromethane)
- R500 (by weight 73.8% dichlorodifluoromethane, 26.2% difluoroethane)
- R502 (by weight 48.8% monochlorodifluoromethane, 51.2% monochloropentafluoroethane)
- R-404A (by weight 44% R-125, 52% R-143a, 4% R-134a).
- R-507 (by weight 50% R-125, 50% R-143a).

Do not use on any unlisted gas or fluid media. Use on unlisted gas or fluids could result in chemical deterioration of the filter-drier, and/or physical damage to the system.

Products, specifications, and data are subject to change without notice.