

# Instruction Sheet

PA-00240H  
October 2011

# Cores & Filters with STAS & ADKS Shells

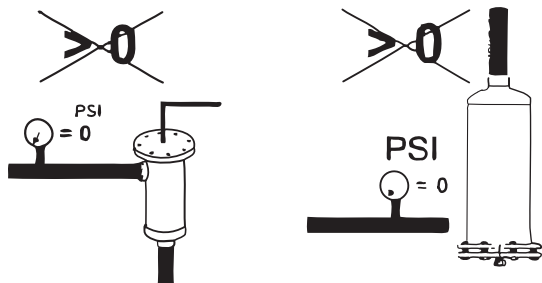
## Cores & Filters with STAS & ADKS Shells

### INSTALLATION & REPLACEMENT INSTRUCTIONS

To prevent contamination, do not open the package until ready to install (until step 8).

For a better comprehension, please refer to the diagrams of the last page.

1. Pump down the system & pump down the STAS or ADKS shell completely.

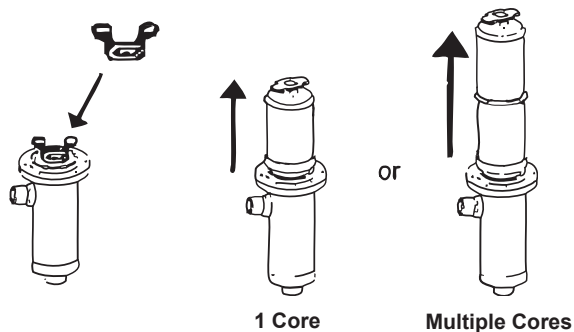


**Warning: System lines must be de-pressurized before attempting to service. Failure to do so can result in system damage and serious bodily injury.**

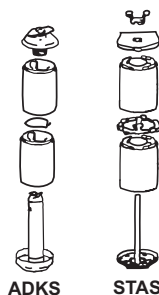
2. Remove the cover bolts, cover, and examine the cover gasket. If the gasket surface is damaged as indicated by material adhering to the end of the shell, the old gasket must be discarded.



3. Withdraw the internal assembly by **pulling** on the handle.



4. Disassemble the internal assembly by unscrewing the handle while holding the inlet retainer.



5. Remove contaminated filter-drier core. For multiple core units, remove coupling(s).

6. Clean all internal parts thoroughly, giving particular care and attention to outlet screen.

7. Put the Seal Ring inside the outlet retainer.



8. Remove the core from can package and reassemble as rapidly as possible to minimize moisture contamination.

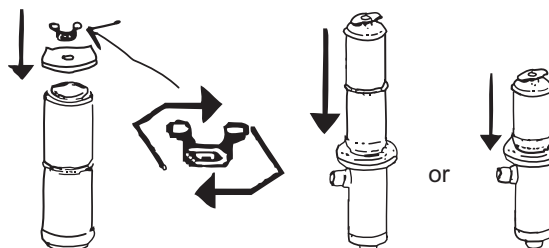


9. Install the new core or filter in the outlet retainer.

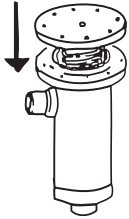
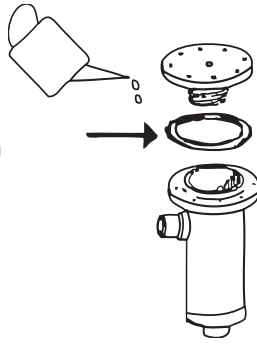
10. Make certain that the end of the block with the tapered inside diameter is placed against the outlet retainer. With multiple block units, place coupling between each block or core.



11. Position the inlet retainer over the final core or filter, and screw the handle firmly in place. Carefully insert the assembled unit into the shell assembly.

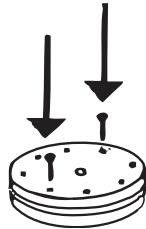


11. Lightly coat the new cover gasket with refrigeration oil on both surfaces and carefully place in the groove of the cover.



12. Push the cover against the shell assembly. Make certain the compression spring is against the inlet retainer, and is not hanging-up on the handle.

13. Install two cover bolts in diagonally opposite holes to hold the cover snugly against the shell edge. Use slotted bolt hole for easier installation.



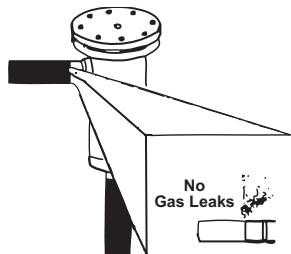
14. Install the remaining cover bolts snugly.

15. Torque all cover bolts evenly in a crisscross pattern to a torque of:

**25 ft. lbs. maximum for STAS units and  
30 ft. lbs. maximum for ADKS units.**

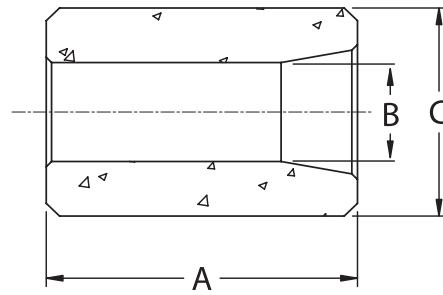
STAS units with the S-V option for suction line service have stainless steel cover bolts, the maximum torque for these bolts is 20 ft. lbs.

16. Test for leakage.

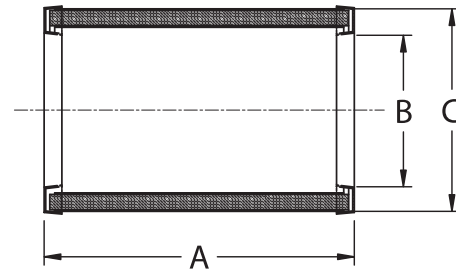


17. Replace the suction line filter-drier block with suction line filter to minimize suction line pressure drop, but still providing compressor protection.

## BLOCKS & FILTER CORES SPECIFICATIONS

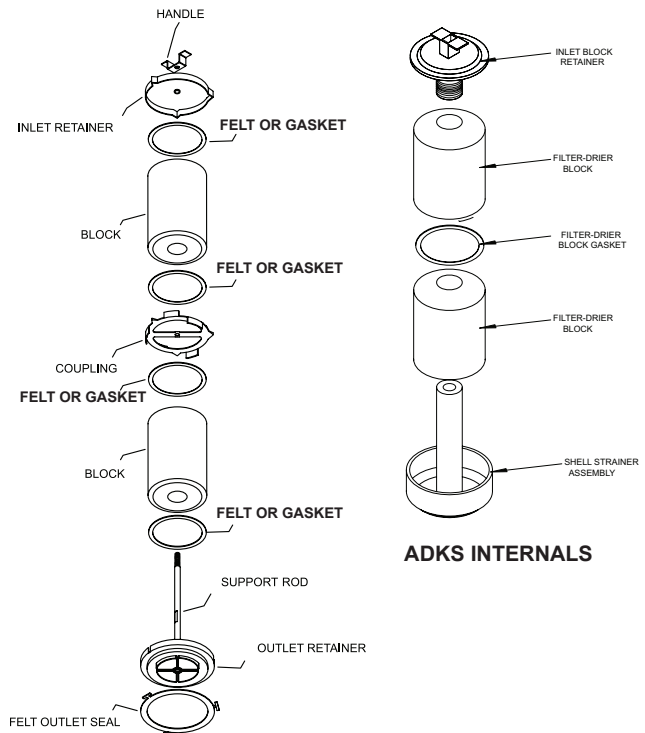


FILTER-DRIER SIZE	DIMENSIONS			SHIP WT. LBS.
	A	B	C	
42	6	1.58	3.12	1
48	5.5	1.77	3.72	1 1/2
100	6.5	2.06	4.81	4



CATALOG NUMBER	DIMENSIONS			SHIP WT. LBS.
	A	B	C	
F-48F-48R	5 1/2	2 13/16	3 7/8	3/4
F-100	6 1/2	3 3/4	4 13/16	1 1/2

## STAS & ADKS INTERNALS



**STAS INTERNALS**

**ADKS INTERNALS**