

Instruction Sheet

PA-00102
June 2013

BTAS Replaceable Suction Filter Cores or Suction Filter-Drier Cartridges

BTAS Replaceable Suction Filter Cores or Suction Filter-Drier Cartridges

DO NOT OPEN BAG UNTIL READY TO INSTALL BLOCK OR SUCTION FILTER CORE

1. Pump down the system and the BTAS assembly completely.
2. Remove flange bolts (B), flange cover (C), spring (D), and flange gasket (F).
3. Remove used suction filter core or filter-drier cartridge (E).
4. Clean all internal parts thoroughly.
5. Remove the core cartridge from packaging and reassemble as rapidly as possible to minimize moisture contamination.
6. Lubricate the new O-ring (F) sparingly with refrigerant oil, and place in groove at the top of the shell (G), or around the flange on the underside of the cover (C).

The O-ring can be installed on the cap or in the shell, depending where it fits best.

7. Install the filter core or filter-drier cartridge (E) with the closed end toward the flange cover (C).
8. With the large end of spring (D) against flange cover (C), push the flange cover (C) against the shell (G), being careful to align the cover inside the gasket (F). Install two flange bolts (B) in diagonally opposite holes to hold the cover snugly against the shell (G).
9. Install the remaining 4 flange bolts (6 flange bolts for the BTAS -5- series).
10. Torque all flange bolts evenly in a criss-cross pattern to the following recommended torque:
 BTAS-2: 5-12 Ft. Lbs. BTAS-4: 13-20 Ft. Lbs.
 BTAS-3: 8-14 Ft. Lbs. BTAS-5: 30-50 Ft. Lbs.

11. Test for leakage.
12. Start the compressor and put the system in operation.
 Record the pressure drop on the enclosed label (H) and apply to the side of the shell (G) as shown.

WARNING: Do not use suction filter cores or filter-drier cartridges on liquid line applications.

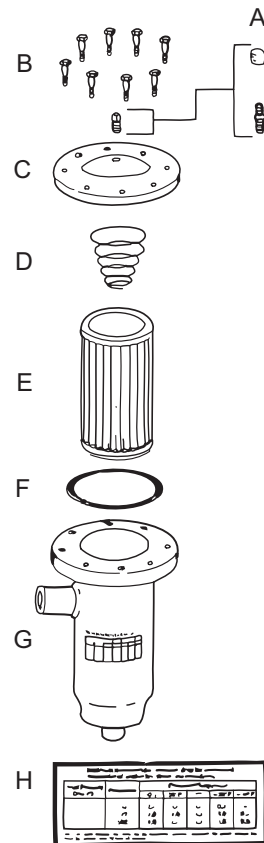
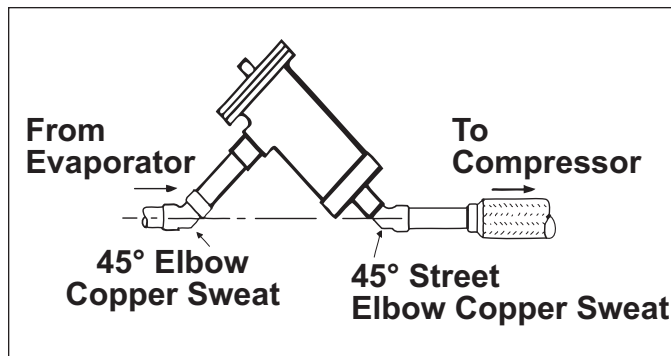


Figure 1

BTAS SHELL TYPE	CONN. SIZE	NO. OF CORES OR CARTRIDGES REQ'D.	SUCTION FILTER SERVICE		FILTER-DRIER SERVICE		
			SUCTION FILTER CORE	EFFECTIVE FILTER AREA (SQ. IN.)	SUCTION FILTER-DRIER CARTRIDGE	EFFECTIVE VOL. OF DESICCANT (CU. IN.)	EFFECTIVE FILTER AREA (SQ. IN.)
BTAS-25 S-V	5/8 ODF	1	A2 F	66	A2 F-D	4.2	66
BTAS-26 S-V	3/4 ODF						
BTAS-27 S-V	7/8 ODF						
BTAS-29 S-V	1-1/8 ODF						
BTAS-37 S-V	7/8 ODF	1	A3 F	115	A3 F-D	13.3	115
BTAS-39 S-V	1-1/8 ODF						
BTAS-311 S-V	1-3/8 ODF						
BTAS-313 S-V	1-5/8 ODF						
BTAS-317 S-V	2-1/8 ODF	1	A4 F	189	A4 F-D	26.0	189
BTAS-411 S-V	1-3/8 ODF						
BTAS-413 S-V	1-5/8 ODF						
BTAS-417 S-V	2-1/8 ODF						
BTAS-421 S-V	2-5/8 ODF	1	A5 F	270	A5 F-D	36.5	270
BTAS-517 S-V	2-1/8 ODF						
BTAS-521 S-V	2-5/8 ODF						
BTAS-525 S-V	3-1/8 ODF						

SAFETY INSTRUCTIONS

1. Read installation instructions thoroughly. Failure to follow instructions may result in drier failure or system damage.
2. Do not remove blocks from bag until just prior to installation. Early removal could result in contamination of the desiccant from surrounding atmosphere.
3. Check arrow for correct flow direction. **Reverse flow may cause internal damage.**
4. CAUTION: In a severely contaminated system avoid breathing acid vapors, and avoid contact with the skin or clothing from contaminated refrigerant.
5. Thoroughly leak test system after installation. Failure to do so could result in loss of refrigerant.
6. These products are intended for use on the following refrigerants up to a maximum working pressure marked on the product.
R-12: dichlorodifluoromethane
R-22: monochlorodifluoromethane
R-500: by weight:
73.8% monochlorodifluoromethane
26.2% difluoroethane
R-502: by weight:
48.8% monochlorodifluoromethane
51.2% monochloropentafluoroethane
7. The product listed in this bulletin should not be used for liquid line or hot gas operations.



INSTALLING BTAS TAKE-A-PART SHELL

1. Locate the BTAS shell in the suction line as close as possible to the compressor, but upstream of vibration eliminators. Install the shell in a vertical position, or in one of the two suggested positions shown which permit oil return to the compressor and convenient installation of the core or cartridge.
NOTE: "The side connection of the BTAS shell must always be the inlet when using all cores and cartridges to ensure compressor protection from possible rupture."
2. Remove the flange bolt (B), flange cover (C), spring (D), and discard the flange gasket (F). See Figure 1.
3. Install the filter core or filter-drier cartridge as noted on the reverse side starting with step 5.

