



aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Parker Reversible Heat Pump Filter-Drier

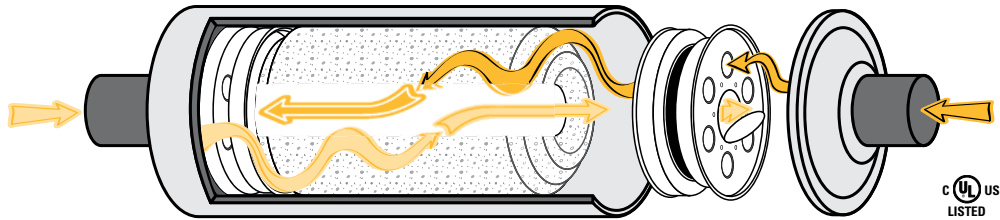
Catalog A-1a, January 2009



ENGINEERING YOUR SUCCESS.

BF Series Bi-Flow Filter-Driers

**Expanded Line-Up with
Improved Capacities**



The BF Series bi-flow filter-drier is designed specifically for heat pump or a reverse cycle application. External check valves are not required since they are incorporated within the filter-drier.

- New product line-up with enhanced flow capacities deliver system protection solutions for today's systems.
- Filter-drier operates in either flow direction with low pressure drop.
- Rugged metal check valve designed for maximum flow capacity.
- Desiccant core provides reliable and effective removal of moisture, solid contaminants, and acid.
- Model BF-163(S)-XF features R-32 excluding desiccant for R-410A and alternative internal construction for added filtration.
- Core is cushioned in fiber gaskets to protect core and to ensure trouble-free performance.
- BF shells are epoxy powder coated to prevent corrosion even in the most adverse conditions.
- Shells rated for R-410A with 600 psig M.R.P.
UL listed file SA3441

TYPE NUMBER	CONNECTION SIZE Inches	SELECTION RECOMMEND. Tons	DIMENSIONS		SPECIFICATIONS											
			OVERALL LENGTH Inches	DIA. Inches	FLOW CAPACITY Tons @ 1 psi ΔP			WATER CAPACITY						LIQUID CAPACITY Ounces (wt.) @ 100°F		
					R-22	R-407C	R-410A	R-22 Drops at 60 ppm		R-407C Drops at 50 ppm		R-410A Drops at 50 ppm		R-22	R-407C	R-410A
BF-082S	1/4 ODF Solder	1 through 3-1/2	5.27	2.50	3.9	3.6	3.8	95	88	73	65	56	50	7.4	7.0	6.4
BF-083	3/8 SAE Flare		6.09		4.4	4.0	4.3									
BF-083S	3/8 ODF Solder		5.27		4.6	4.2	4.5									
BF-084	1/2 SAE Flare		6.35		6.2	5.7	6.1									
BF-084S	1/2 ODF Solder		5.41		6.5	6.0	6.4									
BF-162S	1/4 ODF Solder	1 through 8	5.92	2.50	3.9	3.6	3.8	134	124	103	93	79	71	8.6	8.2	7.5
BF-163	3/8 SAE Flare		6.75		4.4	4.0	4.3									
BF-163S	3/8 ODF Solder		5.92		4.6	4.2	4.5									
BF-164	1/2 SAE Flare		7.00		6.2	5.7	6.1									
BF-164S	1/2 ODF Solder		6.06		6.5	6.0	6.4									
BF-165S	5/8 ODF Solder	6.30	7.1	6.5	6.9											
BF-163-XF	3/8 SAE Flare	1 through 8	6.09	3.0	4.4	4.0	4.3	168	155	197	176	197	176	14.0	13.2	12.2
BF-163S-XF	3/8 ODF Solder		7.56		4.6	4.2	4.5									
BF-304	1/2 SAE Flare	8 through 20	10.19	3.0	7.7	7.1	7.5	641	591	752	672	301	271	17.9	15.7	15.6
BF-304S	1/2 ODF Solder		9.25		8.3	7.6	8.1									
BF-305	5/8 SAE Flare		10.44		8.7	8.0	8.5									
BF-305S	5/8 ODF Solder		9.49		9.6	8.8	9.4									
BF-307S	7/8 ODF Solder		9.55		10.4	9.6	10.2									

Parker Hannifin Corporation
Climate and Industrial Controls Group
2445 South 25th Avenue • Broadview, IL 60155-3891 USA
phone 800 742 2681 • fax 800 241 2872

012009 / Catalog A-1a

