

Racor RHF Series Ultrafiltration with Hollow Fiber Membranes

10 - 220 Gallons Per Minute



Advantages of RHF Series:

- Low fouling membrane modules
- High level of membrane integrity (robust multibore technology)
- Excellent filtration performance with high flux
- High chemical resistance and temperature tolerance for effective membrane cleaning
- Very fine nominal pore diameter (0.03 μm)
- Lower TMP and reduce energy consumption
- High removal efficiency of bacteria and viruses
- Dead-end or concentrate bleed flow capabilities
- Automated membrane backwashing with the ability to incorporate CEB cleaning
- Simple, vertical, modular design allows low cost, compact systems
- UF Configuration allows for less plugging and higher solids loading, higher flow area and easier cleaning.
- UF modules incorporate a defined flow path for simple removal of solids



RHF systems are provided using robust multibore technology to provide superior membrane integrity and durability. The membranes are able to withstand harsh conditions without tearing or compromising filtrate water quality.



Contact Information:

Parker Hannifin Corporation
Racor Division/Village Marine Tec.
2000 W. 135th St.
Gardena, CA 90249

phone: 310 516-9911
800 C-Parker
fax: 310 538-3048
email: racor@parker.com
www.villagemarine.com

www.parker.com/racor



Key Features of Racor HF Series Water Filtration Systems:

- Over 30 years of experience is reflected in our quality
- Heavy duty powder coated corrosion resistant frame
- Stainless steel high pressure components, stainless steel pump
- Touch Screen PLC operation (typical for CEB UF systems)
- Conservatively engineered for reliable long term performance
- Factory tested to ensure trouble-free operation
- Packaged membrane treatment system tested per ISO 9001:2008 QMS

ENGINEERING YOUR SUCCESS.

Racor RHF Series Ultrafiltration with Hollow Fiber Membranes

10 - 220 Gallons Per Minute

Standard Features:

- Self-cleaning automatic pre-filter(s)
- Hollow fiber UF modules
- Automatic valves for feed, backwash and soak cycles
- Stainless steel feed pump
- Chemical injection pumps (3)
- pH transmitter
- Turbidimeters: feed and filtrate
- Flow transmitters: filtrate and backwash
- Pressure gauges with transmitters (4)
- Stainless steel backwash pump with variable frequency drive
- PLC with color touch screen

Optional Equipment:

- Holding tanks for feed, backwash and filtrate
- Chemical tanks for chemical injection
- Additional instrumentation
- Air compressor
- Clean-in-place system
- Remote monitoring

Model #	Capacity			Number of Elements *	Line Sizes			Dimensions						Approx. Weight Lb. Kg.	
	GPM	GPD	m3/hr		Inlet (in.)	Filtrate (in.)	Backwash (in.)	Length		Width		Height			
								In	Cm	In	Cm	In	Cm		
RHF-10	10	14,4000	2.3	1	1.5	1.5	1.5	60	152	30	76	76	193	1,000	454
RHF-40	40	57.600	9.0	4	4	4	4	80	203	30	76	76	193	1,500	680
RHF-100	100	144.000	22.7	10	4	4	4	110	279	50	76	114	290	3,000	1,360
RHF-140	140	201.600	31.8	14	6	6	6	140	356	50	76	114	290	4,200	1,905
RHF-189	180	259.200	40.9	18	6	6	6	180	457	50	76	114	290	5,500	2,495
RHF-220	220	316.800	50.0	22	6	6	6	220	559	50	76	114	290	6,300	2,858

- All dimensions and weights are approximate.
- Based on 77 deg. F (25 deg. C) operating temperature + or - 10 Deg. F (please advise if temperature is out of this range.)
- Operating maximums: 75 PSI applied pressure; 30 PSI transmembrane pressure; 2500 NTU of instantaneous turbidity; 200 PPM chlorine @ 200,000 PPM hours
- Capacity basis: 24 hour
- Various voltages available, consult factory for ordering help.

WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

- This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.
- The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.
- To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.