

Hercules™ UF



Hercules™ brand Ultrafiltration systems from Haliant Technologies provide the right combination of value and features required for any waste water application. Every Hercules™ U.F. system is manufactured from the highest quality components to the exacting standards of all Haliant Technologies equipment. Standard Hercules™ UF models are available for any industrial application from 1,600 to over 500,000 GPD.



Industrial Ultrafiltration Systems

Hercules™ UF



Design Assumptions

- Feed water of up to 500 ppm TSS at 25 C, Turbidity < 15 NTU
- Flow rates, flux, and recovery in accordance with Membrane manufacturers' recommendations

Standard Features

Hollow-Fiber or Ceramic UF Membranes
 Many MWCO and Micron Ratings Available
 Stainless Steel Pumps, Valves, Pressure Gauges
 Corrosion-Resistant Piping
 60Hz/230V-460V, 3-phase TEFC motor
 Automatic Backwash System (Hollow-Fiber only)
 Filtrate and Concentrate Flowmeters
 Total Automatic Operation with PLC Control
 Self-backwashing Sediment Strainer
 Turbidity Meter

Optional Features

Chemical Dosing System
 Clean-in-Place System
 TDS, pH, Temperature Instruments
 Special Color or Private Label
 50Hz Motor
 Crating

System Specifications

MODEL	PRODUCTION GPD m3/D		SYSTEM CONFIGURATION				APPROXIMATE SHIPPING DIMENSIONS			APPROXIMATE SKID DIMENSIONS		
			RECOVERY (%)	NUMBER AND SIZE ELEMENTS	MOTOR		(LxWxH) (inches)	(LxWxH) (cm)	WEIGHT (lbs/Kg)	(LxWxH) (inches)	(LxWxH) (cm)	WEIGHT (lbs/Kg)
					60Hz (HP)	50Hz (KW)						
HERC-UF-5-HF	7,200	27	95	4 (4" x 40")	6	4.4	124 x 40 x 72	315 x 102 x 183	1175/534	108 x 32 x 60	274 x 81 x 152	875/398
HERC-UF-10-HF	14,400	55	95	7 (4" x 40")	6	4.4	120 x 50 x 72	315 x 127 x 183	1300/591	108 x 42 x 60	274 x 96 x 152	1000/455
HERC-UF-15-HF	21,600	82	95	2 (8" x 40")	6	4.4	168 x 50 x 72	427 x 127 x 183	1475/670	156 x 42 x 60	396 x 96 x 152	1150/523
HERC-UF-20-HF	28,800	109	95	2 (8" x 60")	10	6	168 x 60 x 72	427 x 152 x 183	1700/773	156 x 52 x 60	396 x 132 x 152	1350/614
HERC-UF-30-HF	43,200	164	95	3 (8" x 40")	10	6	168 x 60 x 72	427 x 152 x 183	1900/864	156 x 52 x 60	396 x 132 x 152	1550/705
HERC-UF-45-HF	64,800	245	95	4 (8" x 60")	10	8	168 x 60 x 72	427 x 152 x 183	2100/955	156 x 52 x 60	396 x 132 x 152	1750/795
HERC-UF-60-HF	86,400	327	95	6 (8" x 60")	10	8	228 x 60 x 84	579 x 152 x 213	2900/1318	216 x 48 x 72	549 x 122 x 183	2500/1136
HERC-UF-75-HF	108,000	409	95	7 (8" x 40")	15	11	228 x 60 x 84	579 x 152 x 213	3450/1568	216 x 48 x 72	549 x 122 x 183	3050/1386
HERC-UF-90-HF	129,600	491	95	8 (8" x 40")	15	11	228 x 74 x 84	579 x 188 x 213	4050/1841	216 x 62 x 72	549 x 157 x 183	3600/1636
HERC-UF-110-HF	158,400	600	95	10 (8" x 60")	15	11	228 x 74 x 84	579 x 188 x 213	4600/2091	216 x 62 x 72	549 x 157 x 183	4150/1886

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					60Hz (HP)	50Hz (KW)						
HERC-UF-5-C	7,200	27	100	5	1	0.75	124 x 40 x 72	315 x 102 x 183	1175/534	108 x 32 x 60	274 x 81 x 152	875/398
HERC-UF-10-C	14,400	55	100	10	2	1.5	120 x 50 x 72	315 x 127 x 183	1300/591	108 x 42 x 60	274 x 96 x 152	1000/455
HERC-UF-15-C	21,600	82	100	14	3	2.2	168 x 50 x 72	427 x 127 x 183	1475/670	156 x 42 x 60	396 x 96 x 152	1150/523
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HERC-UF-45-C	64,800	245	100	42	10	7.5	168 x 60 x 72	427 x 152 x 183	2100/955	156 x 52 x 60	396 x 132 x 152	1750/795
HERC-UF-60-C	86,400	327	100	55	15	11	228 x 60 x 84	579 x 152 x 213	2900/1318	216 x 48 x 72	549 x 122 x 183	2500/1136
HERC-UF-75-C	108,000	409	100	69	20	15	228 x 60 x 84	579 x 152 x 213	3450/1568	216 x 48 x 72	549 x 122 x 183	3050/1386
HERC-UF-90-C	129,600	491	100	83	25	18.5	228 x 74 x 84	579 x 188 x 213	4050/1841	216 x 62 x 72	549 x 157 x 183	3600/1636
HERC-UF-110-C	158,400	600	100	101	30	22	228 x 74 x 84	579 x 188 x 213	4600/2091	216 x 62 x 72	549 x 157 x 183	4150/1886

