

Ultra-Filtration Systems



Ultrafiltration Systems from Con-Serv Manufacturing provide the right combination of value and features required for any waste water application. Every Con-Serv U.F. system is manufactured from the highest quality components to the exacting standards of all Con-Serv Mfg. equipment. Standard UF models are available for any industrial application from 1,600 to over 500,000 GPD.

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

PRODUCTION GPD	m3/D	SYSTEM CONFIGURATION			APPROXIMATE SHIPPING DIMENSIONS			APPROXIMATE SKID DIMENSIONS		
		RECOVERY (%)	NUMBER AND SIZE ELEMENTS	MOTOR 60Hz (HP) / 50Hz (KW)	(LxWxH) (inches)	(LxWxH) (cm)	WEIGHT (lbs/Kg)	(LxWxH) (inches)	(LxWxH) (cm)	WEIGHT (lbs/Kg)
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
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
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
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
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
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
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
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
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
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

Design Assumptions: Feed water of up to 500 ppm Tss @ 25c, Turbidity , 15 NTU
Flow Rate, flux, and recovery in accordance with Membrane manufacturer's recommendations