

Ultrafiltration Systems

UF Series

Capacities up to 1,000,000 GPM UF System



Standard Features

Genotech, Inc. manufactures a full line of Ultrafiltration systems. UF is a pressure driven membrane separation process that removes suspended or particulate matter (including colloids & silt) from water. The solution is far more reliable than a conventional multimedia filter that removes approximately 10 micron or larger matter where a UF membrane pore size ranges from 0.01 to 0.10 micron. In addition to superior turbidity removal, UF membranes efficiently remove bacteria and most viruses.

- Stainless steel multi-stage feed pump
- UF modules (PVC)
- HDPE filtrate tank
- Stainless steel multi-stage backwash pump
- Chemically Enhanced Backwash (CEB)
- Backwash oxidizer (dosing system)
- Power supply: 460V/3Ph/60Hz
- Programmable control panel
- Status indicator lights
- NEMA12 enclosure with disconnect
- Differential pressure transducer
- Liquid filled pressure gauges
- Electrically actuated valves
- Feed and product flow meters

APPLICATIONS

- RO pretreatment
- Drinking water treatment
- Water re-use
- Waste water treatment
- Process separation/recovery

AVAILABLE OPTIONS

- Membrane cleaning skid (CIP)
- Stainless steel automatic 150 micron screen
- PLC / Ethernet / HMI
- 380-415V/3Ph/50Hz
- Online turbidity monitor
- Export crating

Model No.	Capacity - Surface Water Flux at 25 GFD		Capacity - Sea Water Flux at 35 GFD		Capacity - Ground Water Flux at 53 GFD		Qty of UF Modules
	GPD	M3/ Day	GPD	M3/ Day	GPD	M3/ Day	
UF-10K-1	10080	38	15840	60	25920	98	1
UF-20K-2	20160	76	30956	117	50655	192	2
UF-40K-4	40320	153	63541	241	103976	394	4
UF-60K-6	60480	229	94497	358	154631	586	6
UF-80K-8	80640	305	127082	481	207952	788	8
UF-100K-10	100800	382	158038	599	258608	980	10
UF-120K-12	120960	458	190623	722	311929	1,182	12
UF-161K-16	161280	611	254164	963	415905	1,575	16
UF-201K-20	201600	764	316076	1,197	517215	1,959	20
UF-262K-26	262080	993	412202	1,561	674512	2,555	26
UF-302K-30	302400	1,145	475743	1,802	778489	2,949	30
UF-403K-40	403200	1,527	633781	2,401	1037096	3,928	40