



BetaQua UF8 Ultrafiltration Machines

UF8-1 to UF8-960

39 KLD to 92 MLD (depending on flux)

Reliable Membrane Based systems from BetaQua

Applications

- Reverse Osmosis Pretreatment
- Drinking water
- Surface/Well water treatment for suspended solids
- Conventional clarifier replacement

Instrumentation

- Permeate and Flush Flow Meter
- Pre and Post Screen Filtration, and Post Backflush Pump Pressure gauge
- Flush Pressure (High), Pre High Pressure Pump (Low), Permeate Pressure (High) Alarms
- Autoflush Pneumatic Valve

Standard Features

- Automatic Self-Backflush Absolute Screen Filter from VAF, USA
- Flexible Cleaning parameter setup in PLC
- High Quality Ultrafiltration Membranes
- Chemical tank low level alarms cleaning chemical
- Acid Dosing System
- Backflush Pump

Premium Features

- Touchscreen monitor

Our BetaQua Ultrafiltration Systems are used in drinking water applications as well as surface water treatments. Capable of removing suspended contaminants larger than 0.1-0.01 micron, these filtration systems provide more refined and more economical replacement to conventional filtration systems in term of operating cost, as well as high consistency in the filtrate quality regardless of incoming water quality.

Options

- Turbidity monitor with 4-20mA output
- Automatic SDI sampler with 4-20mA output
- Remote Monitoring using inbuilt modem
- 4-20mA outputs for external monitoring system
- Web-based monitoring system
- Coagulant Dosing System with stirrer
- Disinfectant Dosing System

Operating Parameters

- Effective Recovery: up to 95% (depending on TSS)
- Temperature: 5-35 deg C
- Minimum inlet pressure: 2 bar

Materials of Construction

- Membrane Housing: Fibre reinforced plastics
- Frame: Epoxy coated carbon steel
- Permeate and Feed Piping: PVC Sch 80



MODEL NUMBER	PERMEATE FLOW AT LOW FLUX (LPD)	PERMEATE FLOW AT HIGH FLUX (LPD)	FEED FLOW AT LOW FLUX (LPD)	FEED FLOW AT HIGH FLUX (LPD)	CONCENTRATE FLOW RATE AT LOW FLUX (LPD)	CONCENTRATE FLOW RATE AT HIGH FLUX (LPD)	VAF FILTER (AT MEDIUM FLOW RANGE)
UF8-1	38,400	96,000	49,500	124,500	11,100	28,500	V-250
UF8-2	76,800	192,000	99,500	249,000	22,700	57,000	V-250
UF8-4	153,600	384,000	199,000	498,500	45,400	114,500	V-250
UF8-6	230,400	576,000	299,000	748,000	68,600	172,000	V-250
UF8-8	307,200	768,000	398,500	997,000	91,300	229,000	V-250
UF8-12	460,800	1,152,000	598,000	1,496,000	137,200	344,000	V-250
UF8-16	614,400	1,536,000	797,500	1,994,500	183,100	458,500	V-500
UF8-20	768,000	1,920,000	997,000	2,493,500	229,000	573,500	V-500
UF8-24	921,600	2,304,000	1,196,500	2,992,000	274,900	688,000	V-500
UF8-32	1,228,800	3,072,000	1,595,500	3,989,500	366,700	917,500	V-1000
UF8-40	1,536,000	3,840,000	1,994,500	4,987,000	458,500	1,147,000	V-1000
UF8-48	1,843,200	4,608,000	2,393,500	5,984,000	550,300	1,376,000	V-1000
UF8-60	2,304,000	5,760,000	2,992,000	7,480,500	688,000	1,720,500	V-1000
UF8-64	2,457,600	6,144,000	3,191,500	7,979,000	733,900	1,835,000	V-1500
UF8-72	2,764,800	6,912,000	3,590,500	8,976,500	825,700	2,064,500	V-1500
UF8-80	3,072,000	7,680,000	3,989,500	9,974,000	917,500	2,294,000	V-1500
UF8-96	3,686,400	9,216,000	4,787,500	11,968,500	1,101,100	2,752,500	V-2000
UF8-100	3,840,000	9,600,000	4,987,000	12,467,500	1,147,000	2,867,500	V-2000
UF8-144	5,529,600	13,824,000	7,181,000	17,953,000	1,651,400	4,129,000	V-2500
UF8-168	6,451,200	16,128,000	8,378,000	20,945,000	1,926,800	4,817,000	V-3500
UF8-192	7,372,800	18,432,000	9,575,000	23,937,500	2,202,200	5,505,500	V-3500
UF8-200	7,680,000	19,200,000	9,974,000	24,935,000	2,294,000	5,735,000	V-2000
UF8-240	9,216,000	23,040,000	11,968,500	29,922,000	2,752,500	6,882,000	V-2500
UF8-288	11,059,200	27,648,000	14,362,500	35,906,000	3,303,300	8,258,000	V-2500
UF8-336	12,902,400	32,256,000	16,756,000	41,890,500	3,853,600	9,634,500	V-3500
UF8-384	14,745,600	36,864,000	19,150,000	47,875,000	4,404,400	11,011,000	V-3500
UF8-432	16,588,800	41,472,000	21,543,500	53,859,500	4,954,700	12,387,500	V-2500
UF8-480	18,432,000	46,080,000	23,937,500	59,844,000	5,505,500	13,764,000	V-3500
UF8-528	20,275,200	50,688,000	26,331,000	65,828,500	6,055,800	15,140,500	V-3500
UF8-576	22,118,400	55,296,000	28,725,000	71,812,500	6,606,600	16,516,500	V-3500
UF8-624	23,961,600	59,904,000	31,118,500	77,797,000	7,156,900	17,893,000	V-3500
UF8-672	25,804,800	64,512,000	33,512,500	83,781,500	7,707,700	19,269,500	V-3500
UF8-720	27,648,000	69,120,000	35,906,000	89,766,000	8,258,000	20,646,000	V-3500
UF8-768	29,491,200	73,728,000	38,300,000	95,750,500	8,808,800	22,022,500	V-3500
UF8-864	33,177,600	82,944,000	43,087,500	107,719,000	9,909,900	24,775,000	V-3500
UF8-960	36,864,000	92,160,000	47,875,000	119,688,000	11,011,000	27,528,000	V-3500

For Further Information Please Call Beta Pramesti:

LOCAL LEADER IN ELECTRODEIONIZATION TECHNOLOGY



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