EKO-TRADING CO., LIMITED

Ultrafiltration Modules

UF1IB90

TECHNICAL PARAMETERS

Membrane module	UF1IB90
Membrane material	polysulfone
MWCO (Dal)	67000
Dimension size (mm)	90x1000
Pure water flux	800 L/h 0.1MPa 25°C
Effective membrane area (m^2)	5
Operation mode	internal pressure type
Shell material	organic glass
Max operating pressure (MPa)	0.3
Max operation temperature (°C)	45
Tolerate PH range	2...13
Design flux (m^3/0.1MPa·25°C)	0.3...0.5
Permeate water turbidity	<50NTU
Water inlet dimension	3/4"
Permeate water dimension	3/4"
Concentrate water dimension	3/4"
Bacterial removal rate	>6log
Permeate water turbidity	<0.1NTU
Weight (kg)	12.5

UF1IB160

TECHNICAL PARAMETERS

Membrane module	UF1IB160
Shell material	UPVC
membrane material	polysulfone
MWCO (Dal)	67000
Dimension size (mm)	160x1100
Effective membrane area (m^2)	20
Pure water flux (L/h 0.1MPa 25°C)	3200
Pure water flux (m^3/0.1MPa·25°C)	1.2-2.0
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	1 1/4"
Permeate water dimension	1"
Concentrate water dimension	1 1/4"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	22.5

UF1IA200

TECHNICAL PARAMETERS

Membrane module	UF1IA200
Shell material	UPVC
Membrane material	polysulfone
MWCO (Dal)	67000
Dimension size (mm)	200x1650
Effective membrane area (m^2)	40
Pure water flux (L/h 0.1MPa 25°C)	6400
Pure water flux (m^3/0.1MPa·25°C)	2.4-4.0
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	2 1/2"
Permeate water dimension	2 1/2"
Concentrate water dimension	2 1/2"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	50

UF1IA225

TECHNICAL PARAMETERS

Membrane module	UF1IA225
Shell material	UPVC
membrane material	polysulfone
MWCO (Dal)	67000
Dimension size (mm)	225x1503
Effective membrane area (m^2)	45
Pure water flux (L/h 0.1MPa 25°C)	7200
Pure water flux (m^3/0.1MPa·25°C)	2.7-4.5
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	2"
Permeate water dimension	2"
Concentrate water dimension	2"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	65

UF1IA315S

TECHNICAL PARAMETERS

Membrane module	UF1IA315S
Shell material	UPVC
Membrane material	polysulfone
MWCO (Dal)	67000
Dimension size (mm)	315x1503
Effective membrane area (m^2)	55
Pure water flux (L/h 0.1MPa 25°C)	8800
Pure water flux (m^3/0.1MPa·25°C)	3.3-5.5
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	2 1/2"
Permeate water dimension	2 1/2"
Concentrate water dimension	2 1/2"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	62

UF1IA315L

TECHNICAL PARAMETERS

Membrane module	UF1IA315L
Shell material	UPVC
membrane material	polysulfone
MWCO (Dal)	67000
Dimension size (mm)	315x1503
Effective membrane area (m^2)	80
Pure water flux (L/h 0.1MPa 25°C)	12800
Pure water flux (m^3/0.1MPa·25°C)	4.8-8.0
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	2 1/2"
Permeate water dimension	2 1/2"
Concentrate water dimension	2 1/2"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	95

UF2IB90

TECHNICAL PARAMETERS

Membrane module	UF2IB90
Shell material	organic glass
Membrane material	PES
MWCO (Dal)	80000
Dimension size (mm)	90x1000
Effective membrane area (m^2)	5
Pure water flux (L/h 0.1MPa 25°C)	800
Pure water flux (m^3/0.1MPa·25°C)	0.3-0.5
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	3/4"
Permeate water dimension	3/4"
Concentrate water dimension	3/4"
Max operation temperature (°C)	45
Operation mode internal	internal pressure type
Bacterial removal rate	>6log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	12.5

UF2IB125

TECHNICAL PARAMETERS

Membrane module	UF2IB125
Shell material	organic glass
membrane material	PES
MWCO (Dal)	80000
Dimension size (mm)	125x1092
Effective membrane area (m^2)	10
Pure water flux (L/h 0.1MPa 25°C)	1600
Pure water flux (m^3/0.1MPa·25°C)	0.6-1.0
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	1 1/2"
Permeate water dimension	1"
Concentrate water dimension	1 1/2"
Max operation temperature (°C)	45
Operation mode internal	internal pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	12.5

UF2IB160

TECHNICAL PARAMETERS

Membrane module	UF2IB160
Shell material	UPVC
Membrane material	PES
MWCO (Dal)	80000
Dimension size (mm)	160x1100
Effective membrane area (m^2)	20
Pure water flux (L/h 0.1MPa 25°C)	3200
Pure water flux (m^3/0.1MPa·25°C)	1.2-2.0
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	1 1/4"
Permeate water dimension	1"
Concentrate water dimension	1 1/4"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	22.5

UF2IA200

TECHNICAL PARAMETERS

Membrane module	UF2IA200
Shell material	UPVC
membrane material	PES
MWCO (Dal)	80000
Dimension size (mm)	200x1650
Effective membrane area (m^2)	40
Pure water flux (L/h 0.1MPa 25°C)	6400
Pure water flux (m^3/0.1MPa·25°C)	2.4-4.0
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	2 1/2"
Permeate water dimension	2 1/2"
Concentrate water dimension	2 1/2"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	50

UF2IA225

TECHNICAL PARAMETERS

Membrane module	UF2IA225
Shell material	UPVC
Membrane material	PES
MWCO (Dal)	80000
Dimension size (mm)	225x1503
Effective membrane area (m^2)	45
Pure water flux (L/h 0.1MPa 25°C)	7200
Pure water flux (m^3/0.1MPa·25°C)	2.7-4.5
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	2"
Permeate water dimension	2"
Concentrate water dimension	2"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	65

UF2IA315S

TECHNICAL PARAMETERS

Membrane module	UF2IA315S
Shell material	UPVC
membrane material	PES
MWCO (Dal)	80000
Dimension size (mm)	315x1503
Effective membrane area (m^2)	55
Pure water flux (L/h 0.1MPa 25°C)	8800
Pure water flux (m^3/0.1MPa·25°C)	3.3-5.5
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	2 1/2"
Permeate water dimension	2 1/2"
Concentrate water dimension	2 1/2"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	62

UF2IA315L

TECHNICAL PARAMETERS

Membrane module	UF2IA315L
Shell material	UPVC
membrane material	PES
MWCO (Dal)	80000
Dimension size (mm)	315x1503
Effective membrane area (m^2)	80
Pure water flux (L/h 0.1MPa 25°C)	12800
Pure water flux (m^3/0.1MPa·25°C)	4.8-8.0
Max operating pressure (MPa)	0.3
Inlet turbidity	<50NTU
Water inlet dimension	2 1/2"
Permeate water dimension	2 1/2"
Concentrate water dimension	2 1/2"
Max operation temperature (°C)	45
Operation mode internal	pressure type
Bacterial removal rate	>4log
Permeate water turbidity	<0.1NTU
Tolerate PH range	2...13
Weight (kg)	95

UF3OB160

TECHNICAL PARAMETERS

Membrane module	UF3OB160
Pure water flux (L/h 0.1MPa 25°C)	6000
Max operating pressure (MPa)	0.3
MWCO (Dal)	100000
ID/OD of the hollow fiber (mm)	0.7/1.2
Design water flux (L/m2h 0.1MPa 25°C)	50...120
Membrane area (m^2)	30
TMP (MPa)	0.15
Operation temperature (°C)	5...45
pH range	1...10 (chemical cleaning: 1...12)
Operation mode	Dead end/Cross flow
Air wash flux (m^3/h * pcs)	3...6
Air flushing period (hr)	2...4
Duration of air flushing time (sec)	20...60
Backwash pressure (MPa)	0.05...0.1
Backwash flux (l/m^2*h)	100...150
Duration of backwash time (sec)	30...60
Chemical backwash period	60...180 days or according to the actual situation

Note: B - threaded connection

UF3OA200

TECHNICAL PARAMETERS

Membrane module	UF3OA200
Pure water flux (L/h 0.1MPa 25°C)	12000
Max operating pressure (MPa)	0.3
MWCO (Dal)	100000
ID/OD of the hollow fiber (mm)	0.7/1.2
Design water flux (L/m2h 0.1MPa 25°C)	50...120
Membrane area (m^2)	60
TMP (MPa)	0.15
Operation temperature (°C)	5...45
pH range	1...10 (chemical cleaning: 1...12)
Operation mode	Dead end/Cross flow
Air wash flux (m^3/h * pcs)	4...8
Air flushing period (hr)	2...4
Duration of air flushing time (sec)	20...60
Backwash pressure (MPa)	0.05...0.1
Backwash flux (l/m^2*h)	100...150
Duration of backwash time (sec)	30...60
Chemical backwash period	60...180 days or according to the actual situation

Note: A - victaulic coupling