

ROFlex™ 20 - 450 gpm



Graver's Reverse Osmosis Systems are pre-engineered to economically reduce total dissolved solids (TDS) by removing dissolved minerals, particles, and organic impurities. Each reverse osmosis system is specifically customized to the needs of your application and are compact with full integration for the ease of installation, operation, and maintenance.

Standard Design Features

- Programmed electronic microprocessor
- Permeate TDS meter
- Digital display flow meters
- Corrosion-resistant cartridge prefilter housing
- Stainless steel vertical centrifugal pump
- Liquid-filled, stainless steel pressure gauges
- High pressure piping: 316L SS sch.# 40
- Low pressure piping: PVC sch.#80
- Membrane vessels: FRP, side-ported
- TFC 8"x40" high rejection BW membranes
- High pressure switch
- Nema-4 electric enclosure
- Low pressure safety switch
- Automatic inlet shut-off valve
- 460V/60HZ/3PH, TEFC motor
- Frame: Welded steel, powder coated
- High pressure valves: 316 stainless steel
- Emergency stop
- Sample valves
- Cleaning ports

Optional Design Features

- Upgrade pump to 316SS
- Chemical dosing systems
- Automatic Fast Flush
- PLC (Programmable Logic Controller)
- pH meter
- ORP meter
- Nano-filtration membranes
- Cold water membranes
- Recycle flow meter
- Integrated cleaning station (CIP)
- 50 HZ system
- High TDS Diversion



Typical Applications:

- **Boiler Water Make-Up**
- **Cooling Tower Make-Up**
- **Cooling Tower Blow Down**
- **Cooling Tower Side Stream**
- **Wastewater Treatment**

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Specifications

Model	Product Flow			Recovery	No. of Membranes	Pipe Size (in)			Motor HP	
	GPM	GPD	M ³ /D			Inlet	Perm.	Reject	60 Hz	50 Hz
ROFLEX-20	20	28,800	109	80%	4	2"	1 1/5"	1"	10	10
ROFLEX-30	30	43,200	164	80%	6	2"	1 1/5"	1"	15	15
ROFLEX-40	40	57,600	218	80%	8	2"	2"	1"	20	15
ROFLEX-50	50	72,000	273	80%	12	2"	2"	1.5"	20	20
ROFLEX-70	70	100,800	382	80%	16	2"	2"	1.5"	25	25
ROFLEX-90	90	129,600	491	80%	20	3"	3"	1.5"	25	25
ROFLEX-110	110	158,400	600	80%	24	3"	3"	1.5"	30	30
ROFLEX-140	140	201,600	763	80%	30	3"	3"	2"	40	40
ROFLEX-160	160	230,400	872	80%	36	4"	3"	2"	40	40
ROFLEX-190	190	273,600	1,036	80%	42	4"	4"	2"	40	50
ROFLEX-220	220	316,800	1,199	80%	48	4"	4"	2"	50	50
ROFLEX-250	250	360,000	1,363	80%	54	4"	4"	2"	50	50
ROFLEX-280	280	403,200	1,526	80%	60	6"	4"	3"	60	60
ROFLEX-300	300	432,000	1,635	80%	66	6"	4"	3"	100	60
ROFLEX-330	330	475,200	1,799	80%	72	6"	6"	3"	100	80
ROFLEX-360	360	518,400	1,962	80%	78	6"	6"	3"	100	100
ROFLEX-390	390	561,600	2,126	80%	84	6"	6"	3"	100	100
ROFLEX-420	420	604,800	2,289	80%	90	6"	6"	3"	100	100
ROFLEX-450	450	648,000	2,453	80%	96	6"	6"	3"	100	100

Productivity is based on feed water of 1,500 ppm TDS at temperature of 77°F (25°C).

Dimensions

Model	Estimated Machine Dimensions and Weights								Estimated Shipping Dimensions and Weights							
	Length		Width		Height		Weight		Length		Width		Height		Weight	
	in	cm	in	cm	in	cm	lb	kg	in	cm	in	cm	in	cm	lb	kg
ROFLEX-20	195	495	35	89	65	165	2,400	1,080	215	546	55	140	95	241	2,650	1,193
ROFLEX-30	155	394	35	89	65	165	2,700	1,215	175	445	55	140	95	241	3,000	1,350
ROFLEX-40	195	495	35	89	65	165	2,850	1,283	215	546	55	140	95	241	3,150	1,418
ROFLEX-50	195	495	35	89	65	165	3,100	1,395	215	546	55	140	95	241	3,450	1,553
ROFLEX-70	195	495	40	102	65	165	3,450	1,553	215	546	60	152	95	241	3,800	1,710
ROFLEX-90	195	495	55	140	65	165	3,750	1,688	215	546	75	191	95	241	4,150	1,868
ROFLEX-110	240	610	55	140	65	165	4,200	1,890	260	660	75	191	95	241	4,600	2,070
ROFLEX-140	270	686	55	140	78	198	4,500	2,025	290	737	75	191	108	274	4,900	2,205
ROFLEX-160	270	686	55	140	78	198	5,150	2,318	290	737	75	191	108	274	5,550	2,498
ROFLEX-190	270	686	65	165	78	198	5,800	2,610	290	737	85	216	108	274	6,220	2,799
ROFLEX-220	270	686	65	165	78	198	6,450	2,903	290	737	85	216	108	274	10,950	4,928
ROFLEX-250	270	686	75	191	90	229	7,100	3,195	290	737	95	241	120	305	7,550	3,398
ROFLEX-280	270	686	75	191	90	229	7,750	3,488	290	737	95	241	120	305	8,230	3,704
ROFLEX-300	270	686	90	229	90	229	8,400	3,780	290	737	110	279	120	305	8,880	3,996
ROFLEX-330	260	660	90	229	90	229	9,050	4,073	280	711	110	279	120	305	9,550	4,298
ROFLEX-360	260	660	110	279	90	229	9,700	4,365	280	711	130	330	120	305	10,200	4,590
ROFLEX-390	260	660	110	279	90	229	10,350	4,658	280	711	130	330	120	305	10,900	4,905
ROFLEX-420	260	660	110	279	90	229	11,000	4,950	280	711	130	330	120	305	11,500	5,175
ROFLEX-450	260	660	110	279	90	229	11,650	5,243	280	711	130	330	120	305	12,200	5,490

Optional features may change the above dimensions and weights.

Contact Us

Graver Water Systems, LLC
675 Central Avenue | Suite 3
New Providence, NJ 07974

T: 908 516 1400
F: 908 516 1401
E: info@graver.com