ROC-HV SERIES

High-Volume RO Filtration System

Engineered for Demanding Commercial & Industrial Applications

- **World Class Manufacturing Facility**
- **Advanced Membrane Technology**
- **Precision Manufacturing Tolerances**
- **Made in the USA**



FEATURES:

- System Levelers
- FRP Membrane Housings
- Comes Packaged in Wood Crate
- 100% Wet Tested and
- 4.5” X 20” White Filter Housing
- Powder Coated Aluminum Frame
- Dual 0-100psi Pre-Filter Pressure Gauges
- Dual 0-300psi Pump & Concentrate Pressure Gauges
- Stainless Steel Permeate Flow Meter
- 100-Series Reverse Osmosis Membranes
- Chemical Injection port & Electrical Outlet
- Goulds Stainless Steel Pump & TEFC Motor
- Stainless Steel Concentrate Recirculate Flow Meters
- 1” 304 Stainless Steel, IP65 Rated Inlet Solenoid Valve
- 15/30psi Low Pressure Switch, 40/60psi Tank Pressure Switch
- ROC3 Controller with LCD Display, Feed/Permeate TDS & % Rejection

Quality Water Treatment Products — Yesterday. Today. And Tomorrow.

NorthBay EQUIPMENT SERVICE & SALES

ROC-HV SERIES

MODEL	ROC-HV-6000	ROC-HV-8000	ROC-HV-12000	ROC-HV-16000	ROC-HV-20000	ROC-HV-24000
220V 60Hz 1Ph	ROCHV600011	ROCHV800011	ROCHV1200011	ROCHV1600011	ROCHV2000011	ROCHV2400011
220V 60Hz 3Ph	ROCHV600012	ROCHV800012	ROCHV1200012	ROCHV1600012	ROCHV2000012	ROCHV2400012
460V 60Hz 3Ph	ROCHV600013	ROCHV800013	ROCHV1200013	ROCHV1600013	ROCHV2000013	ROCHV2400013
FLOW SPECIFICATIONS						
Production Capacity gpm/lpm	4.14 gpm 15.66 lpm	5.55 gpm 21.04 lpm	8.33 gpm 31.56 lpm	11.11 gpm 42.08 lpm	13.88 gpm 52.54 lpm	16.66 gpm 63.06 lpm
Recovery Range	50%-75%	50%-75%	50%-75%	50%-75%	50%-75%	50%-75%
Max Feed T.D.S.	2000	2000	2000	2000	2000	2000
MEMBRANES & VESSELS						
Membrane	100-4040	100-4040	100-4040	100-4040	100-4040	100-4040
Membrane Qty.	3	4	6	8	10	12
Membrane Size	4040	4040	4040	4040	4040	4040
Nominal Rejection	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%
Vessel Material	FRP	FRP	FRP	FRP	FRP	FRP
Vessels	3	4	6	8	10	12
Array	1:1:1	1:1:1:1	2:2:2	2:2:2:2	2:2:2:2:2	2:2:2:2:2:2
PRE-FILTERS						
Size	4.5” X 20”	4.5” X 20”	4.5” X 20”	4.5” X 20”	4.5” X 20”	4.5” X 20”
Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Micron	5	5	5	5	5	5
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
PUMP & MOTOR						
Pump Type	10 Stage	10 Stage	25 Stage	25 Stage	33 Stage	33 Stage
Pump Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Motor HP (60Hz)	1 1/2	1 1/2	3	3	3	3
Motor Type	TEFC	TEFC	TEFC	TEFC	TEFC	TEFC
ELECTRICAL						
Phase	1 - 3	1 - 3	1 - 3	1 - 3	1 - 3	1 - 3
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Amp Draw 220V 1Ph	9	9	16	16	16	16
Amp Draw 220V 3Ph	5	5	8.4	8.4	8.4	8.4
Amp Draw 460V 3Ph	3	3	4.2	4.2	4.2	4.2
CONNECTIONS						
Feed	1” FNPT	1” FNPT	1” FNPT	1” FNPT	1” FNPT	1” FNPT
Permeate	3/4” FNPT	3/4” FNPT	3/4” FNPT	3/4” FNPT	3/4” FNPT	3/4” FNPT
Concentrate	3/4” FNPT	3/4” FNPT	3/4” FNPT	3/4” FNPT	3/4” FNPT	3/4” FNPT
WEIGHT & DIMENSIONS						
L” X W” X H”	30” X 27” X 53”	30” X 27” X 53”	30” X 37” X 51”	30” X 37” X 53”	40” X 26” X 60”	30” X 37” X 53”
Weights (lbs.)	280	295	325	375	375	400

Systems production and recovery based on 500TDS, 77°F softened feed water. Computer projections should be run to optimize the systems recovery and membrane life. *ROC-HV-4000 model available, dimensions similar to ROC-HV-8000, contact rep for details

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