

REVERSE OSMOSIS FILTERS

Our **Reverse Osmosis Filters / Systems** use used to significantly reduce levels of dissolved minerals, colloids, particles, organics and silica in water. Our units and systems are designed to fit any need in any industry. Each unit is manufactured of the highest quality components providing for efficient and effective operation with tremendous durability providing for years of use. Our **Reverse Osmosis Filters/Systems** are available from 250 gpm (gallons per day) to 10,000 gpd (gallons per day). Each Reverse Osmosis system comes complete and ready for operation. We have two (2) series of systems which include our ROB Series and ROA Series. Some of the **Features** and **Benefits** of our **Reverse Osmosis Systems** include:



- **Thin Film Composite RO Membrane - Rejects Significant Amounts Of Dissolved Minerals, Colloids, Particles, Organics and Silica (Both Series)**
- **PVC Module Housing - Corrosion Resistant For Long Life (ROB Series)**
- **Stainless Steel Module Housing - Corrosion Resistant For Long Life (ROA Series)**
- **Positive Displacement Pump & Motor System - Optimum Energy Efficiency And Quiet Operation (ROB Series)**
- **Multi-Stage Centrifugal Pump & Motor System - Optimum Energy Efficiency And Quiet Operation (ROA Series)**
- **Concentrated Recirculation - Saves Water (Both Series)**
- **Expandable Design - Serves Water Needs Up To 10,000 GPM**
- **Cartridge Pre-Filtration - Includes A Replaceable 5 micron Element That Removes Suspended Particles To Extend Component Life**
- **Pressure Indicator - Displays System Operating Pressure**



ROB SERIES



ROA SERIES

Each **Reverse Osmosis System** comes complete and ready for operation. Each system comes complete with:

- **RO Unit (Chamber(s), Membranes, Sturdy Corrosion Resistant Frame)**
- **Water Pump**
- **NEMA 4X Enclosure - Contains state Of The Art Controller - TDS Monitor Controls Water Quality (Displays Feed TDS, Product TDS, and Percent Rejection) -- ALL ROA Series**
- **Low Pressure Switch - Protects Pump From Feed Water Pressure Fluctuations**
- **Low Pressure Auto Re-Start - Minimizes Occurrence Of Permanent System Shut Down from Low Pressure Conditions**
- **Connection For Pre-Treatment Signal Switch and Level Control - Allows For Easy Integration And Automatic System Operation**
- **Auto Flush - Increases Membrane Life**
- **System Indicator Lights - Visually Displays System Operation or Alarm Conditions**
- **Elapsed Time Monitor To determine Scheduled Maintenance - 8 User Selected Flush Options To Extend Membrane Life (All ROA Series)**

Custom sizes are available - consult with an AREA Technical Representative for assistance.

ROB SYSTEM SPECIFICATIONS

Inlet Press.	20-75 psig
Power	115 V/60 Hz/1P
Temp.	33-100°F
Max. Turb.	1 NTU
pH Range	6-11
Max. Chlorine	0 mg/L
Max. TDS	2500 mg/L
Max. Iron	0.1 mg/L

ROA SYSTEM SPECIFICATIONS

Inlet Press.	20-50 psig
Oper. Press.	120-150 psig
Power	208-230 V/60 Hz/1P
Temp.	33-100°F
Max. Turb.	1 NTU
pH Range	3-11
Max. Chlorine	0 mg/L
Max. TDS	2500 mg/L
Max. Iron	0.1 mg/L

ROB SERIES SYSTEMS

MODEL	CAPACITY GPD	APPROX. RECOVERY	MOTOR (HP)	WEIGHT (LBS)	PRICE
517-ROB-1	250 gpd	25%	1/3	44	\$1,992.33
517-ROB-2	500 gpd	25%	1/3	49	2,278.56
517-ROB-3	750 gpd	50%	1/3	54	2,560.56
517-ROB-4	1000 gpd	50%	1/2	59	2,846.79

ROA SERIES SYSTEMS

MODEL	CAPACITY GPD	APPROX. RECOVERY	MOTOR (HP)	WEIGHT (LBS)	PRICE
517-ROA-1	2000 gpd	50%	1	168	\$6,845.55
517-ROA-2	4000 gpd	50%	1	198	7,942.53
517-ROA-3	5800 gpd	60%	1	228	8,922.48
517-ROA-4	7500 gpd	60%	1	258	9,700.80
517-ROA-5	9000 gpd	75%	1	288	11,358.96
517-ROA-6	10000 gpd	75%	1	318	12,226.11