

AT-Series Reverse Osmosis System Packages

| Models | AT-500 / AT-1000 | | |
|---|------------------|--------------|-------------|
| | STANDARD (S) | ADVANCED (A) | PREMIER (P) |
| Frame | | | |
| White Powder Coated Aluminum Frame | ✓ | ✓ | ✓ |
| Controls | | | |
| Manual On/Off Switch | ✓ | | |
| Minitrol Computer Controller | | ✓ | |
| Minitrol IF Computer Controller | | | ✓ |
| Pre-Treatment Lockout | | ✓ | ✓ |
| Tank Level Input | | ✓ | ✓ |
| LED Controller Display | | ✓ | ✓ |
| Feed Solenoid Valve | ✓ | ✓ | ✓ |
| Concentrate Recycle Valve | | ✓ | ✓ |
| Feed Low Pressure Switch 15-30 psi | ✓ | ✓ | ✓ |
| Instrumentation | | | |
| AXEON® Permeate Flow Meter | ✓ | ✓ | ✓ |
| AXEON Concentrate Flow Meter | ✓ | ✓ | ✓ |
| Concentrate Recycle Flow Meter | | ✓ | ✓ |
| AXEON 316 Stainless Steel Concentrate Valve | ✓ | ✓ | ✓ |
| AXEON 0-100 psi Pre-Filter In Pressure Gauge | ✓ | ✓ | ✓ |
| AXEON 0-100 psi Pre-Filter Out Pressure Gauge | ✓ | ✓ | ✓ |
| AXEON 0-300 psi Pump Pressure Gauge | ✓ | ✓ | ✓ |
| HM Digital™ PS-100 Permeate TDS Controller | | ✓ | |
| HM Digital™ PS-202 Dual Permeate and Feed TDS Controller | | | ✓ |
| Features | | | |
| Feed Flush | | | ✓ |
| AXEON 5 Micron Sediment Pre-Filter | ✓ | ✓ | ✓ |
| AXEON 10 Micron Carbon Block Pre-Filter | ✓ | ✓ | ✓ |
| AXEON by Pentek® Single O-Ring Filter Housings | ✓ | ✓ | ✓ |
| AXEON HF1 Low Energy RO Membranes | ✓ | | |
| AXEON HF4 Extra Low Energy RO Membranes | | ✓ | ✓ |
| AXEON PVC Pressure Vessels | ✓ | ✓ | ✓ |
| Fluid-O-Tech™ Brass Rotary Vane High Pressure Pump | ✓ | ✓ | |
| Fluid-O-Tech Stainless Steel Rotary Vane High Pressure Pump | | | ✓ |
| ODP High Efficiency Carbonator Motor | ✓ | ✓ | ✓ |

Naming Matrix

- **A** = Frame Style
- **T** = Feed Water Type - Tap Water (T), Brackish Water (B), Sea Water (S)
- **XXXX** = Rated Production in Gallons Per Day Based on Standard Test Conditions
- **S, A, P** = System Package Identifiers

| FLEXEON AT-Series | Standard (S) | Advanced (A) | Premier (P) |
|-------------------|--------------|--------------|-------------|
| FLEXEON AT-500 | AT-500S | AT-500A | AT-500P |
| FLEXEON AT-1000 | AT-1000S | AT-1000A | AT-1000P |

FLEXEON Systems Feature Descriptions

| Feature | Description |
|--|--|
| White Powder Coated Aluminum Frame (S) (A) (P) | Corrosion resistant and light weight |
| Minitrol Computer Controller (S) | Provides a 20 amp output relay for the RO pump and inlet solenoid, and monitors switch inputs from a pressure switch. These inputs allow the RO unit to either run or shutdown as necessary for proper operation. Tank level and pre-treatment inputs control the RO system |
| Minitrol IF Computer Controller (A) (P) | Provides a 20 amp output relay for the RO pump and inlet solenoid, and monitors switch inputs from a pressure switch. These inputs allow the RO unit to either run or shutdown as necessary for proper operation. Tank level and pre-treatment inputs control the RO system along with an optional flush cycle |
| S150 Computer Controller (P) | Allows for pre-treat lockout functionality, tank level input, permeate TDS monitoring, low pressure monitoring, feed flush, electronic flush bypass and features a convenient led display, alarm functionality and other monitoring options |
| Pre-Treatment Lockout (S) (A) (P) | Sends a signal to the RO system when a pre-treatment lockout condition occurs |
| Tank Level Input (S) (A) (P) | Sends a signal to the RO system when a tank full or tank low condition occurs |
| LED Controller Display (S) (A) | Displays a digital readout for RO system monitoring |
| LCD Controller Display (P) | Displays a digital readout for RO system monitoring |
| Feed Solenoid Valve (S) (A) (P) | High flow, low friction loss design that has a pressure range of 10 to 125 psi, offers a manual override handle for valve actuation |
| Concentrate Recycle Valve (A) (P) | Needle valve controls the waste water being recycled back through the RO system |
| Feed Low Pressure Switch 15-30 psi (S) (A) (P) | Protects the RO pump from damage and cavitation when a low pressure condition occurs |
| AXEON® Permeate Flow Meter (S) (A) (P) | Monitors the product water flow rate |
| AXEON® Concentrate Flow Meter (S) (A) (P) | Monitors the waste water flow rate |
| Concentrate Recycle Flow Meter (A) (P) | Monitors the waste water flow rate being recycled back through the RO system |
| AXEON® 316 Stainless Steel Concentrate Valve (S) (A) (P) | Needle valve allows for control of the waste water |
| AXEON® 0-100 psi Pre-Filter In Pressure Gauge (S) (A) (P) | Monitors the feed water pressure entering the pre-filters |
| AXEON® 0-100 psi Pre-Filter Out Pressure Gauge (S) (A) (P) | Monitors the outlet water pressure exiting the pre-filters |
| AXEON® 0-300 psi Pump Pressure Gauge (S) (A) (P) | Monitors the pump discharge pressure |
| AXEON® 0-300 psi Final Concentrate Pressure Gauge (S) (A) (P) | Monitors the waste water discharge pressure |
| HM Digital™ PS-100 Permeate TDS Controller (S) (A) | Allows for product water monitoring with a digital display readout |
| Controller Permeate TDS Monitoring (P) | Allows for the monitoring of the reverse osmosis product water TDS |
| Controller Feed TDS Monitoring (P) | Allows for the monitoring of the feed water TDS |
| Feed Flush (A) (P) | Low flow feed water flush to reduce concentrated water on the RO membrane element |
| AXEON® 5 Micron Sediment Pre-Filter (S) (A) (P) | Reduces the amount of sediment from the feed water source |
| AXEON® 10 Micron Carbon Block Pre-Filter (S) (A) (P) | Reduces the amount of chlorine from the feed water source |
| AXEON® 1 Micron Sediment Pre-Filter (S) (A) (P) | Reduces the amount of sediment from the feed water source |
| AXEON® by Pentek® Single O-Ring Filter Housings (S) (A) (P) | Offer durability and improved sealing capabilities |
| AXEON® HF1 Low Energy RO Membranes (S) | Deliver high quality product water at moderately low pressure operation |
| AXEON® HF4 Extra Low Energy RO Membranes (A) (P) | Operate at less than half the operating pressure of standard high rejection membranes |
| AXEON® PVC Pressure Vessels (S) (A) (P) | Feature a convenient side port entry, an easy-to-remove snap ring and a removable end cap |
| Goulds® Multi-Stage Booster Pump (S) (A) | High pressure multi-stage booster pump provides steady, quiet, vibration-free operation and are designed for continuous operation |
| Goulds® Multi-Stage Stainless Steel Booster Pump (P) | High pressure multi-stage booster pump provides steady, quiet, vibration-free and are designed for continuous operation, also high resistance to corrosion and abrasion |