Automatic Water Reclamation System

REDUCES COSTS AND INCREASES WATER CLEANLINESS

Rosedale

How it works

All of our systems use quality components. We offer systems in different sizes to best match your flow rates, providing maximum optimization. Our systems take full advantage of being “smart”, with controls to automatically clean or purge the filtration components when needed.

Our system starts off by ozonating the water held in settling tanks. This oxidizes or chemically “removes” grease and oil, organics and some contaminates. Actually, they turn into a chemically inert form or are electrically charged to form one large contaminant, removed during mechanical filtration which includes a centrifugal separator. Next, the ozonated water is run through a basket strainer, then through the primary filter, trapping anything larger than 25 microns. Contaminant removed by the separator and by the automatic backwashing filter, are purged through a backwash outlet and trapped by a bag filter for disposal or to a common sump to be removed. The water is finally re-pressurized to system pressure and is ready for re-use.

This automatic purging is controlled by the standard PLC, sensing when the pressure drop across the filter system is too great. The PLC controls all inlet, outlet and purge valves and the air system used to “shock” the system and clean the contaminant off the filter elements.

System options include the installation and use of an Activated Carbon unit to aid in removing chemicals, oils, biologicals, organics and odors, and of a Ballast Tank to achieve uninterrupted flow. These can be added separately or together and are installed at the factory.

All of Rosedale Filtration Systems are ready to work when delivered. The AWRS is skid-mounted, and is easily put in place, and piping and electrical easily installed. System maintenance is still required, as is changing of the Activated Carbon Packs or cleaning of the strainer basket (non-primary pre-filtration).

Rosedale Products Inc. call 734-665-8201

The Rosedale AWRS is a self-contained, self-cleaning filtration system that removes solids, organics, biologicals, odors and hydrocarbons from water so the water can be reused. The system includes an activated carbon filter, a solids-liquid separator, an automatic backwashing filter, an ozone generator, and oxygen concentrator, all controlled by a panel-mounted PLC. The compact design has a small footprint, making this ideal for using in just about any size operation.

The AWRS is a high quality, reasonably priced system that features low pressure drops, heavy duty construction and flows of 50, 100, and 150 gpm.

- Three system sizes, 50 gpm, 100 gpm and 150 gpm
- Centrifugal Solids/Liquid Separator
- Oxygen Concentrator/Ozone Generator
- Activated Carbon Filter with replaceable carbon packs
- Automatic Backwashing Filter down to 5 micron
- Operates off of standard 115 VAC and 60 PSI of compressed air
- An optional ballast tank can be incorporated for uninterrupted flow

or visit www.rosedaleproducts.com

AWRS System

HOW TO ORDER

Example: AWRS-50-2P-150-CPS-O-AC

MODEL
AWRS

SYSTEM FLOW
50 GPM = 50
100 GPM = 100
150 GPM = 150

INLET/OUTLET/DRAIN
2-inch NPT (standard) = 2P
2-inch Flanged = 2F

SYSTEM COMPONENT
Pressure Rating
150 psi = 150

MATERIALS OF CONSTRUCTION
CI/PVC/SS Combination (std) = CPS
Stainless Steel (304) = SS

OZONE/OXYGEN CONCENTRATOR
Ozone (standard) = O
None = N

SYSTEM OPTIONS
Activated Carbon = AC
Ballast Tank = BT
Both = AC/BT

Notes:
1. Standard 25 Micron Wedge Wire basket included with the system
2. Option for ballast tank is for uninterrupted flow
3. System pressure is a function of the pump, typically <50 psig
4. Viton O-rings are standard

Rosedale Products, Inc.

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