ORE/A SERIES

Automatic Self Cleaning Electric Water Filtration Systems For Industry, HVAC, Municipal and Mining

COOLING TOWERS RIVERS LAKES WELLS REUSE

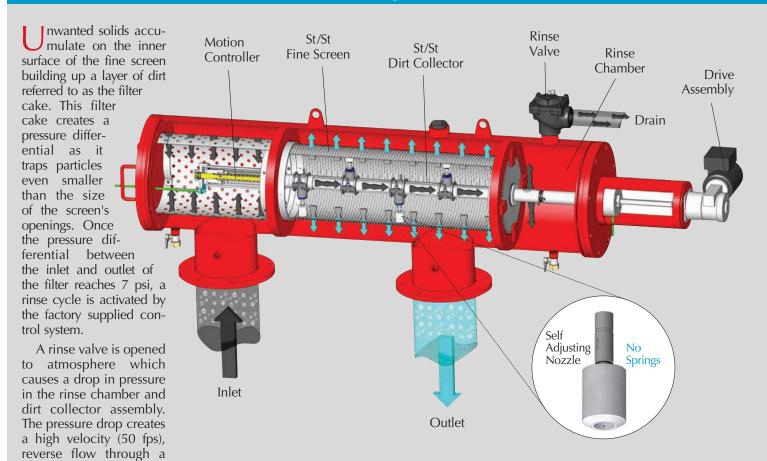


SAND POLLEN ALGAE BUGS SILT MUSSELS SCALE



213 S. Van Brunt St., Englewood, NJ 07631 (800) 567-9767 (201) 568-3311 *Fax (201) 568-1916* www.orival.com filters@orival.com

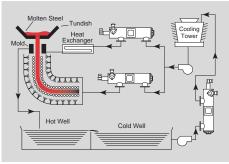
How It Works Without Limit Switches or Reversing Motor



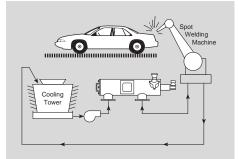
small area of the screen at each opening of the self-adjusting nozzles that aggressively vacuums the dirt off of the screen into the dirt collector assembly. These special nozzles reduce backwash water by 50%. The vacuumed backwash water and debris travel through the dirt collector to the rinse valve, where they are ejected to a drain. During this process, the drive assembly rotates the dirt collector at a slow, constant speed while the motion controller linearly moves the dirt collector at a fixed rate.

The entire process takes seconds and does not interrupt the system flow.

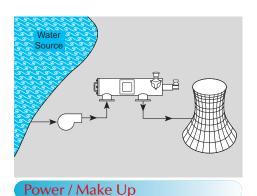
Screen	S			Mechanical Speci	fications						
	Woven on PVC	Multilayered		Features	Standard	Optional					
	Support	Sintered	Wedgewire	Material of Construction	Carbon Steel or Stainless Steel	Titanium, Duplex & Others					
us US	0 0	2890383 880088		Operating Pressure	30 psi min., 150 psi max.	12 psi min., 1000 psi max.					
Screen Patterns	• •	999999995		Operating Temperature	No min., 150°F max.	No min., 212°F max.					
Sc Pat	0 0	3 X X X X X X		Screen Pattern	Multilayered Sintered	Wedge-wire, Woven					
		55333333 63332		Screen Aperture	50 – 3,000 microns	5 – 10,000 microns					
		23888386		Single Unit Flow Rate	Up to 12,000 gpm	Up to 25,000 gpm					
				Code	Hydrostatically Tested, 225 psi	ASME "U" Stamp, Others					
Screen	-			pH Resistance	4 - 9	1 – 12					
Apertures	15-5000 Mic	5-5000 Mic	25-2500 Mic	Compatible Fluid	Water	Seawater, Oily, Corrosive					
Open				Connections	Flanged	Victaulic, Threaded					
Screen Area	40%	60%	30%	Installation	Any position, even upside down						
Hydraulic				Rinse Cycle Duration	30 seconds	Continuous					
Collapse D.P.	300 PSI	300 PSI	450 PSI	Controls and Elec	Controls and Electricity						
Temp Rating	150°F	300°F	750°F	Features	Standard	Optional					
Material	St/St 316L	St/St 316L	St/St 316L	Power	120 V, 60 Hz, 1 P 220 V, 50 Hz, 1 P	208, 240, 460 V, 60 Hz, 3 P 400 V, 50 Hz, 3 P					
Optional	Titanium Dur	olex, 254 SMO, Ex	votic Material	Enclosure	NEMA 4X	Explosion Proof					
Material		JICX, 234 JIVIO, E	Notice Material	Rinse Cycle Activation	DP, Timer, Manual	Volumetric, Remote					
Fibrous Mat. Filtration	Medium	Medium	Excellent	Motor	1/4 HP / 0.18 KW / 1 P 1/2 HP / 0.37 KW / 1 P	DC					
Price	Low	Medium	High	Control Type	PLC	PC, Central					

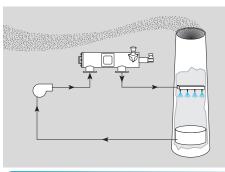


Steel / Continuous Casting

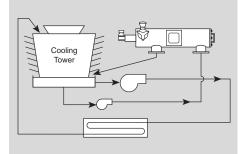


Spot Welding

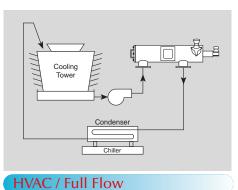


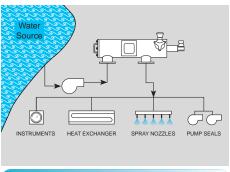


Pollution / Wet Scrubber

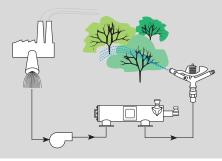


Side Stream w/ Recirculating Pump

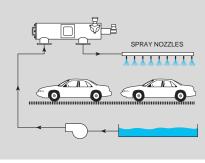




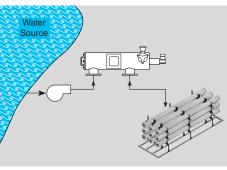
Process Cooling



Wastewater / Irrigation



Automotive / Leak Test



Membrane Pre-Treatment

Thoroughly Proven In:

HVAC Chemical Hydrocarbon Plastics Food Sugar Mining Steel Automotive Paper Pharmaceutical Power Sewage Treatment

Removing Solids, of any Specific Gravity:

Sand Gravel Algae Pollen Silt Microbiological Growth Bugs Scale Rust Mussels

From Virtually any Source:

Cooling Towers Ocean Rivers Lakes Wells Ponds Reservoirs

For any Application:

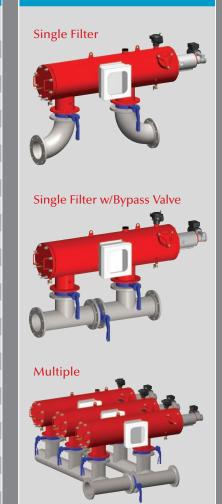
Cooling Water Process Water Reclaim Water Effluent Water Intake Water Waste Water Wash Water Potable Water Irrigation Rain Harvesting

For Protection Of:

Heat Exchangers Spray Nozzles Instrumentation Pump Seals All Membranes Air Compressors The Environment

Technical	Data (Ad	d "-S" to model nu	umber for stainle	e <mark>ss steel</mark> consti	ruction)		
MODEL	Line Size (in.)	Max Flow Rate (gpm)	Open Screen Area (in²)	Installation Length (in)	Motor HP	Rinse Valve (in)	Dry Weight (lb)
ORE/A-02-PS	2	110	390	16.9	1/4	1.5	345
ORE/A-03-PS	3	175	390	16.9	1/4	1.5	355
ORE/A-03-PE	3	250	620	23.6	1/4	1.5	370
ORE/A-04-PM	4	350	390	16.9	1/4	1.5	375
ORE/A-04-PS	4	350	620	23.6	1/4	1.5	385
ORE/A-04-PE	4	350	930	30.7	1/4	2	570
ORE/A-06-PS	6	660	620	23.6	1/4	1.5	400
ORE/A-06-PE	6	720	930	30.7	1/4	2	590
ORE/A-06-PX	6	800	1240	39	1/4	2	640
ORE/A-08-PS	8	1320	930	30.7	1/4	2	620
ORE/A-08-PE	8	1500	1240	39	1/4	2	665
ORE/A-08-PX	8	1700	1560	47.25	1/4	3	930
ORE/A-10-PS	10	1760	930	30.7	1/4	2	640
ORE/A-10-PE	10	1760	1240	39	1/4	2	690
ORE/A-10-PX	10	2400	1560	47.25	1/4	3	980
ORE/A-12-PS	12	2640	1240	39	1/4	2	730
ORE/A-12-PE	12	3000	1560	47.25	1/4	3	990
ORE/A-12-PX	12	3500	2500	55.1	1/2	3	1360
ORE/A-14-PS	14	3960	1240	39	1/4	2	785
ORE/A-14-PE	14	4250	1560	47.25	1/4	3	1020
ORE/A-14-PX	14	5000	2500	55.1	1/2	3	1385
ORE/A-16-PS	16	4840	1240	39	1/4	2	825
ORE/A-16-PE	16	4840	1560	47.25	1/4	3	1060
ORE/A-16-PX	16	6000	2500	55.1	1/2	3	1420
ORE/A-18-PS	18	6125	1560	47.25	1/4	3	1080
ORE/A-18-PE	18	7000	2500	55.1	1/2	3	1435
ORE/A-20-PE	20	8100	2500	55.1	1/2	3	1500
ORE/A-24-PE	24	12000	2500	55.1	1/2	3	1605

Installations



8 2 2 × × 6 2 2 × Filter Inlet / Outlet (in) \sim 6 n \triangleright Pressure Drop vs. Flow Rate 20 10 DP (psi) 3 1 0.5 -50 100 500 1000 3000 10 10000 30000 Flow Rate (gpm)

Screen	Apertures
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100 mic screen potable water

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Visible to the naked eye.											>							
Micron	5	10	15	25	30	40	50	80	100	120	150	200	400	800	1000	1500	3000	
Mesh*	3000	1500	1000	600	500	400	250	200	150	120	100	80	40	20	16	10	5	
in*	.0002	.0004	.0006	.0010	.0012	.0016	.002	.003	.004	.005	.006	.008	.016	.032	.04	.06	.12	
Physica	Physical Size												I	I	I			
* Approximate and for reference only																		

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