

# ORS SERIES SELF CLEANING INTAKE STRAINER

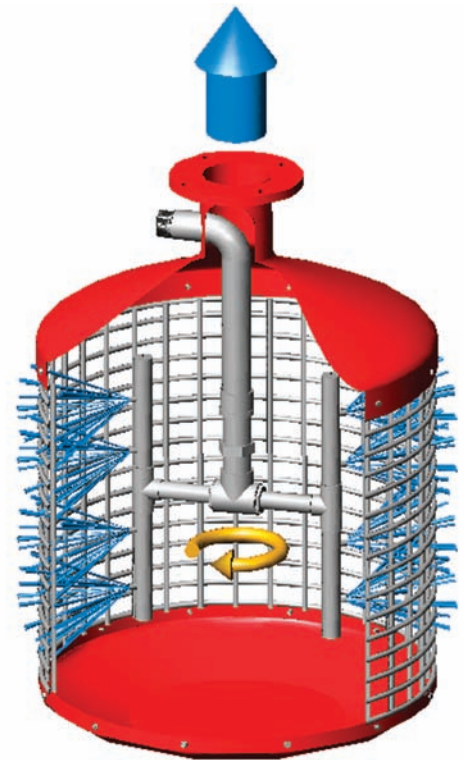
4" to 16", Up to 5300 gpm

## Stop Surface Water Debris Before It Stops Your Pump!

Surface water sources, such as lakes, ponds and streams provide a convenient and reliable source of water for a variety of applications, including irrigation, makeup, process cooling and more. Unfortunately, this water is often contaminated with debris—leaves, sticks, paper, and other floating solids—which can spell trouble for your pump. Orival provides the solution with our ORS Series Self Cleaning Intake Strainers.

Constructed of a heavy duty steel body and rigid stainless steel fine screen, the ORS is designed to provide years of reliable use. The body is coated with extra durable polyester, electrostatically applied and oven cured on a zinc phosphate layer. The screen is available in either 18 mesh (1200 micron) or 8 mesh (2500 micron) sizes, to suit a wide range of applications. The nozzle assembly rotates on a heavy duty bearing, ensuring a long operating life.

The ORS is attached to the end of the pump suction line, ensuring that all of the water taken into the system must pass through the screen. Debris which would otherwise clog or damage the pump is effectively removed from the intake stream. The nozzle assembly located inside the ORS continuously rotates and directs a jet of water at the screen from the inside out, removing the accumulated debris. All moving parts are located within the housing, to avoid damage and provide increased reliability.



**Orival manufactures a wide variety of filtration systems, both manual and automatic, for removal of suspended solids, with unlimited flow rate capacities. Contact us or visit our website for more information.**

Model No.	Pipe Size (in.)	Diameter (in.)	Overall Height (in.)	Max. Recommended Flow Rate (gpm)	
				1200 Micron	2500 Micron
ORS-04	4	15-1/2	25-5/8	350	440
ORS-06	6	18-7/8	30-1/4	790	1000
ORS-08	8	18-7/8	38-1/4	1300	1700
ORS-10	10	24	41	1850	2400
ORS-12	12	24	48-3/4	2650	3300
ORS-14	14	35-1/2	52-3/4	3500	4400
ORS-16	16	35-1/2	52-3/4	4400	5300

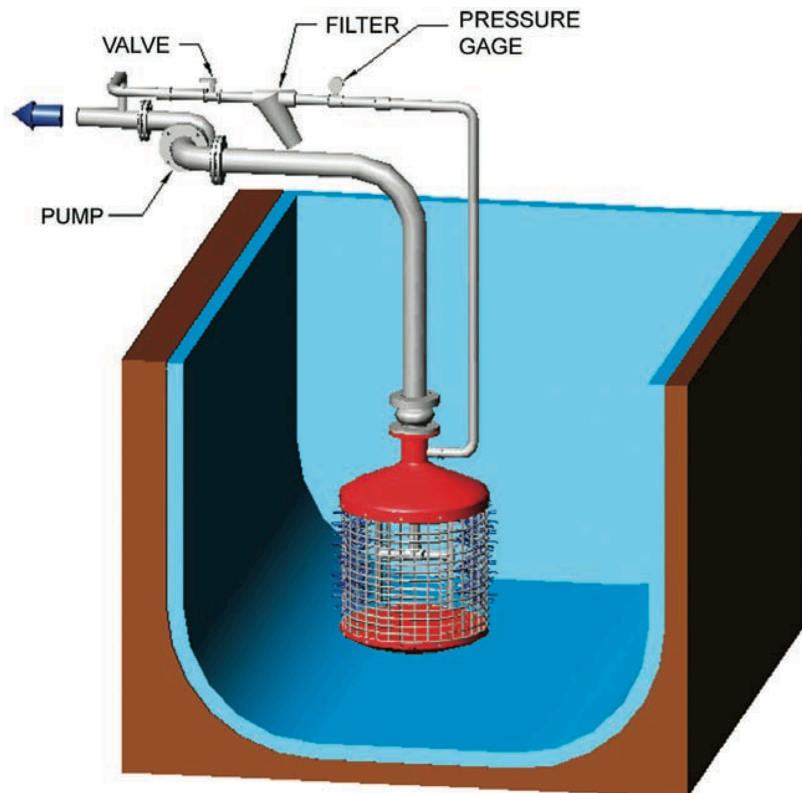
NOTE: Multiple strainers can be installed to handle higher flow rates.

### ***TECHNICAL SPECIFICATIONS:***

- ⇒ Minimum Backwash Pressure: 22 psig
- ⇒ Recommended Backwash Pressure: 45 psig
- ⇒ Backwash Flow Rates:   ORS-04 - ORS-10: 18 gpm  
                                  ORS-12 - ORS-16: 26 gpm
- ⇒ Body Coating:   Extra durable polyester, electrostatically applied and oven cured (standard)  
                          Heavy galvanized (optional)  
                          Consult factory for other options

### ***INSTALLATION GUIDELINES:***

- ⇒ Connect strainer to pump inlet, before check valve.
- ⇒ Install backwash supply system, from pump discharge to strainer, including valve, filter and gauge.
- ⇒ Clearances Required:
  - Install minimum 12" above bottom surface
  - Install minimum 8" below water surface
  - 8" minimum to adjacent objects
- ⇒ Appropriate provisions must be made in applications where water level may vary.



### ***MAINTENANCE REQUIREMENTS:***

- ⇒ Clean backwash supply line screen at regular intervals, as required by application.
- ⇒ Visually inspect the Nozzle Assembly for damage and proper operation at least quarterly.
- ⇒ Screen can be easily removed to provide access to nozzle assembly for service as needed.



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