

### Self-Cleaning Pump Suction Screen

#### Keep Debris Out of Your Pumping and Irrigation System

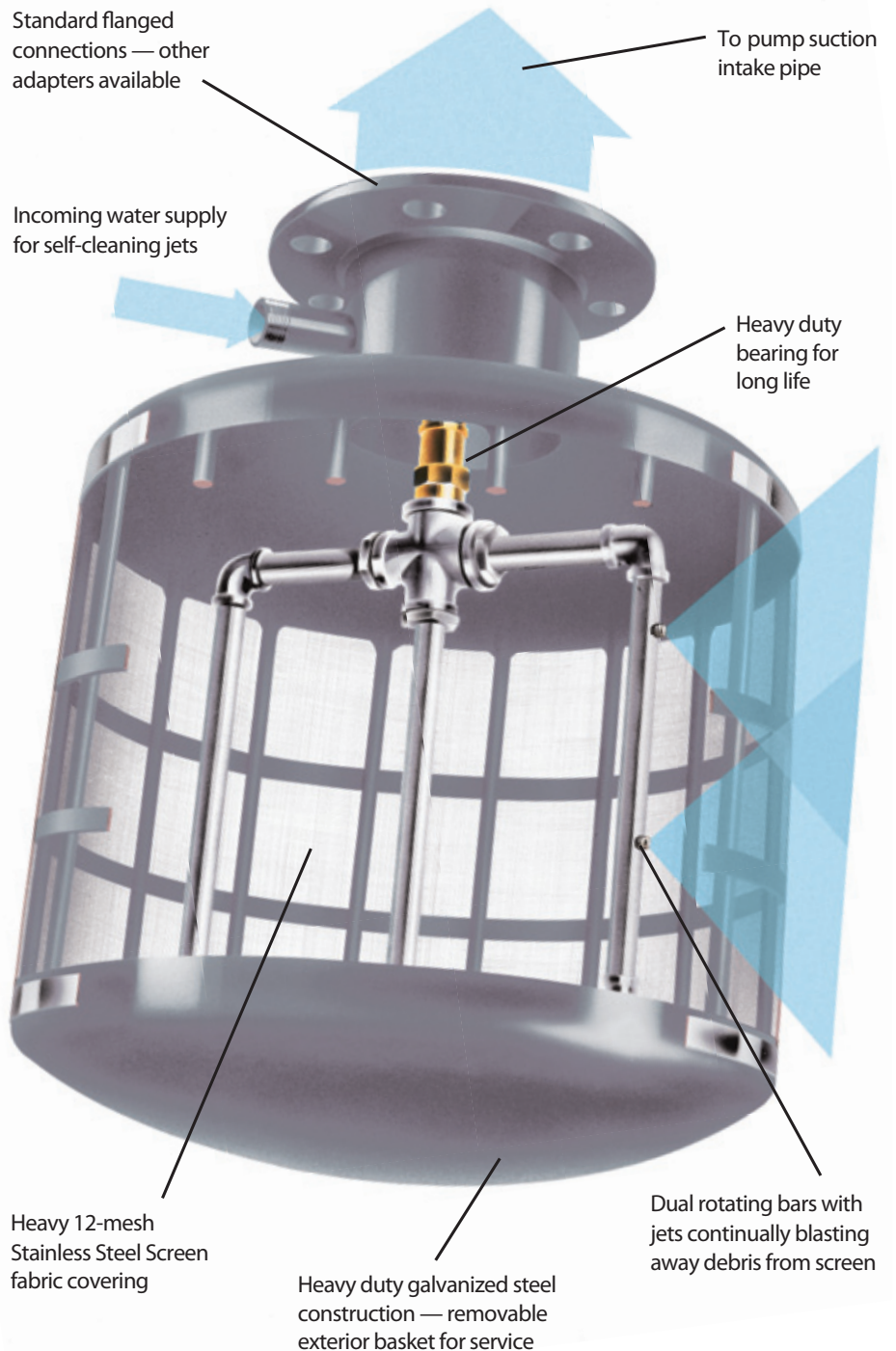
No matter the source of your irrigation water, you need to clear the water of trash and debris that could block flow, damage the pump station or clog irrigation equipment.

Rain Bird's galvanized, Self-Cleaning Pump Suction Screen removes large trash and debris from water sources, saving time and money in energy, pumping efficiency and maintenance costs. With a heavy 12 mesh stainless steel screen, this model will increase your pump efficiency for many years to come.

The pump suction screen is attached to the end of the pump suction line. All water must pass through the screen before entering the pump intake pipe. A small, side-stream from the pump discharge plumbing drives two spray bars that continually rotate, jetting water at the screen and blasting debris away.

Made to last, Rain Bird's Self-Cleaning Pump Suction Screen's all-metal construction has a removable screen drum. There are no exterior moving parts that can break down or need repair. The unit is completely corrosion resistant and will not collapse under normal operation.

For added flexibility, Rain Bird's Self-Cleaning Pump Suction Screen can be installed at any angle without affecting operation. It also has a standard flanged connection (other connections are available upon request). The included "Y Strainer" — essential on the water jet supply line — provides easy access for cleaning and prevents the spray nozzles from plugging.



## Self-Cleaning Pump Suction Screen Performance Data

| Model Number          | Flow US GPM | Flow m <sup>3</sup> /Hour | Screen Length (in) | Total Length (in) | Screen Diameter (in) | Flange Size (in) | Return Inlet Pipe Size (in) | Operating Pressure (min - max psi) | Weight Lbs. | Cleaning Spray (GPM) |
|-----------------------|-------------|---------------------------|--------------------|-------------------|----------------------|------------------|-----------------------------|------------------------------------|-------------|----------------------|
| <b>12 Mesh Filter</b> |             |                           |                    |                   |                      |                  |                             |                                    |             |                      |
| PSS200                | 325         | 73.8                      | 11                 | 25                | 16                   | 4                | 1.5                         | 35-100                             | 38          | 20                   |
| PSS400                | 550         | 124.9                     | 15                 | 28.8              | 16                   | 6                | 1.5                         | 40-100                             | 57          | 20                   |
| PSS600                | 750         | 170.3                     | 16                 | 32.5              | 24                   | 8                | 1.5                         | 40-100                             | 101         | 20                   |
| PSS800                | 950         | 215.7                     | 18                 | 34.5              | 24                   | 10               | 1.5                         | 45-100                             | 108         | 20                   |
| PSS1000               | 1350        | 306.5                     | 23                 | 39.5              | 24                   | 10               | 1.5                         | 50-100                             | 116         | 24                   |
| PSS1400               | 1650        | 374.6                     | 26                 | 42.5              | 24                   | 12               | 1.5                         | 55-100                             | 128         | 24                   |
| PSS1700               | 1950        | 442.7                     | 28                 | 44.5              | 26                   | 12               | 1.5                         | 55-100                             | 148         | 24                   |
| PSS2000               | 2350        | 533.5                     | 32                 | 48.5              | 26                   | 14               | 1.5                         | 60-100                             | 160         | 24                   |
| PSS2400               | 2600        | 590.2                     | 35                 | 52.5              | 30                   | 16               | 1.5                         | 65-100                             | 223         | 28                   |
| PSS3000               | 3000        | 681.0                     | 40                 | 57.5              | 30                   | 16               | 1.5                         | 40-65                              | 236         | 44                   |
| PSS3500               | 3500        | 794.5                     | 40                 | 59.5              | 36                   | 18               | 1.5                         | 40-65                              | 283         | 44                   |
| PSS4000               | 4000        | 908.0                     | 40                 | 63.5              | 42                   | 18               | 1.5                         | 40-65                              | 358         | 44                   |

### Technical Specifications:

- Body: Galvanized Steel
- Minimum Backwash Pressure: 22 psig
- Recommended Backwash Pressure: 45 psig
- Backwash Flow Rates:
  - PSS200 - PSS1000: 18 gpm
  - PSS1400 - PSS400: 26 gpm

### Installation Guidelines:

- Connect to pump inlet, before check valve
- Install supply system, from pump discharge to strainer

### Clearance Requirements:

- Install minimum 12" above bottom surface
- Install minimum 8" below water surface
- Appropriately locate for applications where water levels may vary

### Custom Mesh Sizes Available:

- 4, 8, 18 and 24



Rain Bird's Self-Cleaning Pump Suction Screen is built for years of trouble-free service

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