

# Self-cleaning suction basket



## Advantages of UDI Self-cleaning suction baskets:

UDI self-cleaning suction baskets have been designed to be fitted at the start of the suction line, before the pump. The suction basket is suspended inside the water source (river, lake, etc.). This protects the pump against damage and/or blockage, preventing trouble, repairs, and energy loss.

The screen is kept clean during pump operation by jets that blast the dirt off the screen with a manual valve or, if desired, continuously. The flushing rotor is activated by the pump pressure via a return line on the delivery side of the pump, complete with filter, pressure gauge, and manual valve.

The suction screen is designed to create as little pressure loss as possible in the suction line.

## Coating:

In preparation for the coating, the filters are provided with a special layer of zinc phosphate. This treatment ensures proper adhesion of the coating, and protects against rusting-through from the inside.

Subsequently, the polyester coating is applied electrostatically, both internally and externally, before being furnace-hardened. The entire process involves 7 steps, and results in a perfect coating with a thickness of approximately 120 microns.

## Applications:

- Where extra protection is required
- Prevention of slag in suction lines
- Protection of the pump



Subject to modifications  
No liability accepted for errors or misprints

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## Technical Data

### Model:

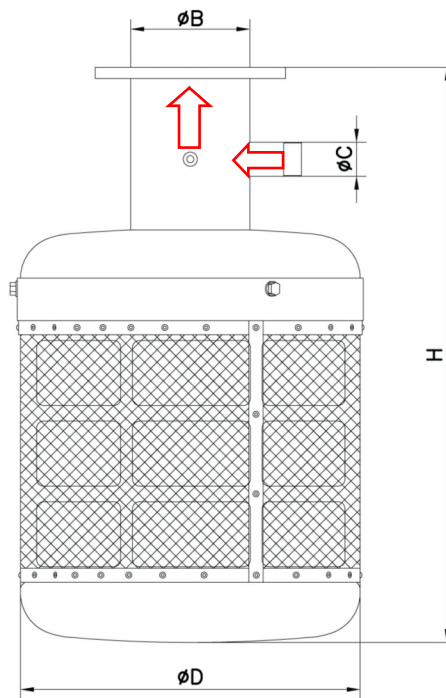
Flange connection, 4" & 6" as standard (8", 10", 12", 14" & 16" upon request) High-quality stainless steel filter screen

### Materials

- Polyester-coated steel
- Neoprene rubbers
- Stainless steel filter screen with perforation of 2,500 micron (1,200 micron on request)

### Applications:

- All water intakes
- Cooling water systems
- Recirculation systems
- Water transport systems



| Type                     | Unit              | 4U6604  | 4U6606  | 4U6608  |
|--------------------------|-------------------|---------|---------|---------|
| Connection Ø B           | Inch              | 4"      | 6"      | 8"      |
| Max. capacity *          | m <sup>3</sup> /h | 100     | 230     | 380     |
| Flange (ISO 7005 PN10)   |                   |         |         |         |
| Pitch C                  | mm                | 180     | 240     | 295     |
| Bolt holes               | mm                | 8 x Ø18 | 8 x Ø22 | 8 x Ø22 |
| Weight                   | kg                | 24      | 35      | 40      |
| Height                   | mm                | 650     | 770     | 970     |
| Ø D                      | inch              | 16"     | 20"     | 20"     |
| Flushing line connection | inch              | 1½"     | 1½"     | 1½"     |
| Min. Q flushing water    | m <sup>3</sup> /h | 5       | 5       | 5       |
| Min. flushing pressure   | bar               | 2,5     | 2,5     | 2,5     |
| Max. pressure            | bar               | 10      | 10      | 10      |