

# FLAT SUCTION TECHNOLOGY

## OPTIMAL FLUID DRAINAGE



# GENERAL INFORMATION ON FLAT SUCTION TECHNOLOGY

## FLAT SUCTION PUMPS FOR DRAINAGE

ZUWA flat suction sets impress with their practical and versatile application possibilities to remove water, depending on the surface, down to a few millimeters. Especially in the case of full basements and pools that need to be drained, flat suction sets are used. Unlike wet vacuums with a collection tank, the water is pumped directly from the source without intermediate storage.

## FLAT SUCTION MAT

The robust and flexible mats can adapt well to uneven surfaces. The suction mats enable (in contrast to submersible pumps or waste water pumps with flat suction function) liquid to be effectively pulled through the flow channels from the underside down to a height of 1 mm. The flat suction set runs without any problems even with high air/liquid mixture at low water levels, and suctions even the smallest of residues.

## HEAVILY POLLUTED WATER? NO PROBLEM!

The robust ZUWA impeller pump with its flexible impeller can also transport solids and dirt particles together with the liquid. For more polluted water we also offer our flat suction pumps as a variant with a COMBISTAR 2000-B. The pump housing here is made of stainless steel and is less sensitive to abrasion and dirt.

## AREAS OF APPLICATION:

- / Standing water on flat roofs
- / Emptying of swimming pools
- / Flooded basements and underground garages
- / Dirty water extraction in cleaning operation

## FLAT SUCTION SETS BASE, COMPACT, TOP AND OIL EXTRACTION SET

Practical flat suction sets for quick and mobile use in emergencies or residual water drainage.

### TECHNICAL DETAILS:

- / Up to 60 l/min flow rate (up to 96l/min possible on request)
- / Pump housing made of aluminum or stainless steel (Special hardened housing possible)
- / Suitable for clean or contaminated water, heat transfer fluids

### EQUIPMENT:

- / Pump UNISTAR or COMBISTAR 2000-B
- / Pump support frame
- / 3 x 3m spiral hose 1" with GEKA coupling
- / Flexible flat suction mat

### OIL EXTRACTION SET:

- / TPU impeller with polyamide bushing
- / 3 x 3m oil-resistant spiral hose 1" with GEKA couplings
- / Additionally suitable for oil, fuel oil and diesel



Flat suction set TOP with pump control



Flat suction set FIREFIGHTER

## FLAT SUCTION SET FIREFIGHTER

With the flat suction set FIREFIGHTER oil spilled in accidents can be absorbed as much as possible from the surface so that less binding agent is required, and the risk of environmental pollution is reduced.

### EQUIPMENT:

- / 5m oil-resistant spiral hose with GEKA retaining ring couplings
- / STORZ-D fixed coupling G 1" at pump outlet
- / With dry running protection
- / Euro container with cover
- / Pump support frame with rubber pads
- / suitable for water, waste water, heat transfer media, oil, fuel oil and Diesel

Art. No.: 110158FW

| MODEL              | PUMP             | HOUSING MATERIAL | FLAT SUCTION MAT    | EURO CONTAINER | PUMP CONTROL | ART.NO. |
|--------------------|------------------|------------------|---------------------|----------------|--------------|---------|
| BASIC              | UNISTAR 2000-B   | Aluminum         | ✓                   | ✗              | ✗            | 110150  |
|                    | COMBISTAR 2000-B | NIRO 1.4404      |                     |                |              | 110158  |
| COMPACT            | UNISTAR 2000-B   | Aluminum         | ✓                   | ✓              | ✗            | 110151  |
|                    | COMBISTAR 2000-B | NIRO 1.4404      |                     |                |              | 110157  |
| TOP                | UNISTAR 2000-B   | Aluminum         | ✓                   | ✓              | ✓            | 110152  |
|                    | COMBISTAR 2000-B | NIRO 1.4404      |                     |                |              | 110154  |
| OIL EXTRACTION SET | UNISTAR 2000-B   | Aluminum         | Available on option | ✓              | ✗            | 110153  |
|                    | COMBISTAR 2000-B | NIRO 1.4404      |                     |                |              | 110155  |

## PRACTICAL ACCESSORIES

### EURO CONTAINER WITH LID

For convenient transport and storage of pump and accessories.

**Art.No.: 2008550**

### DRY-RUN PROTECTION

The dry run protection allows the operation of the flat suction set without monitoring.

For UNISTAR 2000-A

For COMBISTAR 2000-A

**Art.No.: 130100**

**Art.No.: 130120**

### REMOTE CONTROL SET

Remote control of the flat suction set. Range: 50m.

**Art.No.: 141005**

### ADAPTER FOR 2 FLAT SUCTION SETS

Adapter with valve for the addition of a 2nd flat suction mat.

**Art.No.: VT02**



Flat suction set ELEPHANT (supplied without cordless drill)

## ELEPHANT SUCTION SET

This mobile suction set is inexpensive, easy to assemble, and can be used immediately with a plug-in or cordless drill. Quick reaction can be made with the ELEPHANT in difficult to access locations without any mains connection.

### EQUIPMENT:

- / Drill pump UNISTAR 2001-B
- / 2 x 3m ¾" temperature resistant hose with fitting
- / Incl. flat suction mat and suction strainer
- / Incl. transport box with lid (600 x 400 x 290 mm)

### FEATURES:

- / Fast, compact, reliable
- / Bi-directional operation possible

**Art.No.: 1101511**



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