

# FLAT SUCTION TECHNOLOGY

## COMPLETE DRAINAGE OF FLUIDS



# OVERVIEW OF FLAT SUCTION TECHNOLOGY

## FLAT SUCTION PUMPS FOR DRAINAGE

ZUWA flat suction sets are characterized by their practical and versatile usage options for removing water down to a few millimetres, depending on the surface. Flat suction sets are particularly useful for draining flooded basements and pools that need to be emptied. Unlike wet vacuum cleaners with a collection container, the water is pumped directly out 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 a flat suction function) to pump the liquid down to a height of 1 mm. The flat suction set runs smoothly even at low water levels, and removes even the most minute residues.

## HEAVILY CONTAMINATED WATER? NO PROBLEM!

With its flexible impeller, the robust ZUWA impeller pump can also transport particles and solids together with the liquid. For more heavily contaminated fluids, we also offer our flat suction pumps as a variant with a COMBISTAR 2000-B. Here the pump housing is made of stainless steel and is more resistant against abrasion and dirt.

## AREAS OF APPLICATION:

- / For standing water on flat roofs
- / Emptying swimming pools
- / Flooded basements and underground garages
- / Contaminated water during cleaning process

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

Practical flat suction sets for quick and portable use in emergencies or for draining residual water.

### 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 water, waste water, and heat transfer fluid

### EQUIPMENT:

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

### OIL SUCTION SET:

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



TOP flat suction set with pump control



EMERGENCY SERVICES Flat Suction Set

## EMERGENCY SERVICES FLAT SUCTION SET

With the EMERGENCY SERVICES flat suction set, oil spills from accidents can be largely absorbed, so that less binding agent is required and the risk of environmental pollution is reduced.

### EQUIPMENT:

- / 5 m oil-resistant spiral hose with GEKA locking ring couplings
- / STORZ-D fixed coupling 1" iG at pump outlet
- / with dry-run protection
- / Euro container with lid
- / Carrying frame with rubber buffer
- / Suitable for water, waste water, heat transfer fluids, oil, heating 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	AISI 316L				110158
COMPACT	UNISTAR 2000-B	Aluminum	✓	✓	✗	110151
	COMBISTAR 2000-B	AISI 316L				110157
TOP	UNISTAR 2000-B	Aluminum	✓	✓	✓	110152
	COMBISTAR 2000-B	AISI 316L				110154
OIL EXTRACTION SET	UNISTAR 2000-B	Aluminum	On option Art.-No.: 110169	✓	✗	110153
	COMBISTAR 2000-B	AISI 316L				110155

## PRACTICAL ACCESSORIES

### EURO CONTAINER WITH LID

For convenient transportation and storage of pump and accessories.

**Art. No.: 2008550**

### DRY-RUN PROTECTION

The dry-running protection allows the flat suction set to be operated without monitoring.

For UNISTAR 2000-A

**Art. No.: 130100**

For COMBISTAR 2000-A

**Art. No.: 130120**

### REMOTE CONTROL SET

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

**Art. No.: 141005**

### CONNECTION FOR 2 FLAT SUCTION MATS

Connector with shut-off valve for adding a second flat suction mat

**Art. No.: VT02**

Flat suction mat

**Art. No.: FM02**



## ELEPHANT SUCTION SET

The mobile suction set is economical, quick to set up; and immediately ready for use with any drill or cordless screwdriver. You can react quickly with the ELEPHANT in hard-to-reach spaces without any mains connection.

### EQUIPMENT:

- / Drill pump UNISTAR 2001-B
- / 2 x 3 m temperature-resistant 3/4" textile hose with threaded connection
- / 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

ELEPHANT flat suction set (supplied without cordless screwdriver)

**Art. No.: 1101511**



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