



PUMPEN UND MASCHINEN GMBH

# DREDGE PUMP HEPU-SBP

DATA SHEET

02 | 2015

## RANGE OF APPLICATION

Dredge pump for sand and gravel extraction

- Extremely low-speed motor through large impeller diameter
- Energy-saving through modern pump technology

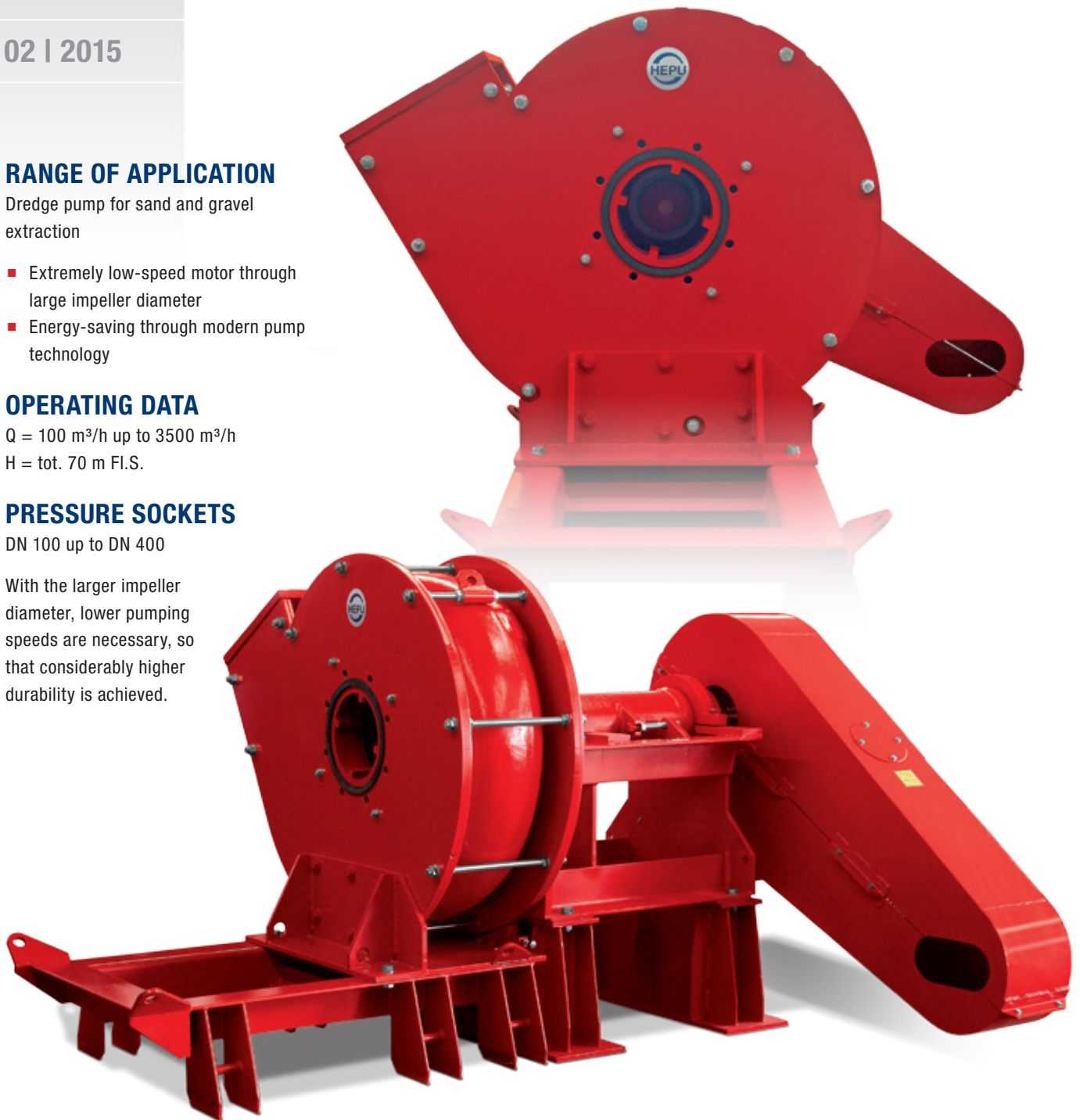
## OPERATING DATA

Q = 100 m<sup>3</sup>/h up to 3500 m<sup>3</sup>/h  
H = tot. 70 m F.I.S.

## PRESSURE SOCKETS

DN 100 up to DN 400

With the larger impeller diameter, lower pumping speeds are necessary, so that considerably higher durability is achieved.



MADE IN GERMANY



# DREDGE PUMP HEPU-SBP

## DESIGN

For the hydraulic transport of solid materials like sand and gravel, the HEPU Company has developed special impellers that guarantee disturbance-free extraction operation depending on the deposit and mixture of the wear-causing medium to be pumped.

Because of the long practical experience of our engineers in the field of solid-material pumping, a new generation of dredge pumps using the proven HEPU pump construction has arisen: type "HEPU-SBP".

In addition to the extraction of sand and gravel, these pumps are also used for pumping ore suspensions, coal, mining waste, lime sludge, and other abrasive solid mixtures..

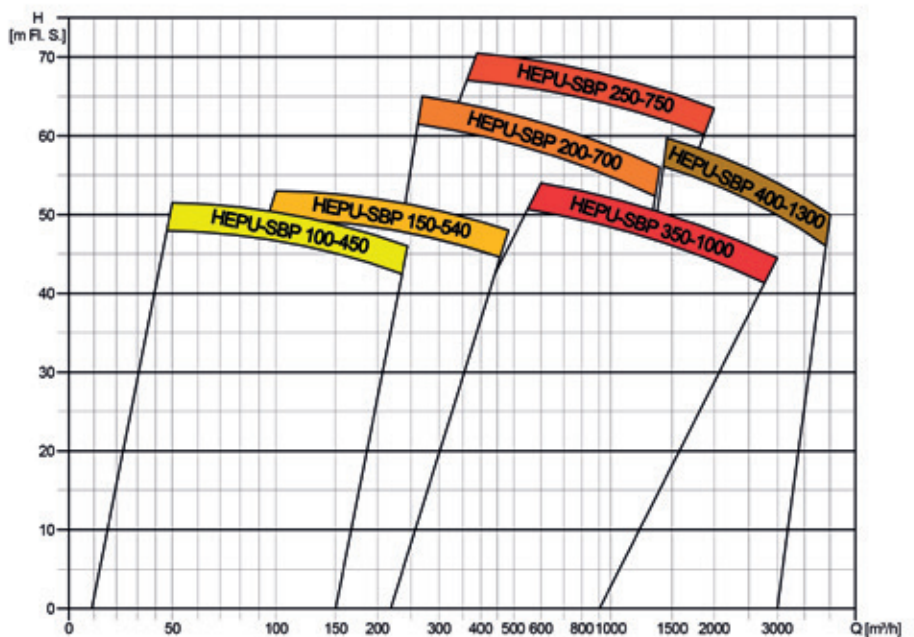
## ABRASION MATERIALS

Through the use of special materials the durability of the wear parts like the casing, impellers, and suction and pressure side wear plates is increased considerably. A crucial factor is that a very high, consistent durability can thus be guaranteed.

## COAT

Finish-coat according to RAL 3000

## PERFORMANCE DIAGRAM



## BEARING

The robust pump shaft and the over dimensioned lubricated cylindrical and spherical roller bearings provide for disturbance-free operation.

The bearings installed by HEPU are standard commercial bearings.

## SHAFT SEAL

The shaft seal is carried out by a stuffing box seal and is loaded by sealing water.

Alternative sealing on request.