



PUMPEN UND MASCHINEN GMBH

HORIZONTAL SLURRY PUMP HEPU-S

DATA SHEET

02 | 2015

RANGE OF APPLICATION

For pumping highly-abrasive suspensions with a high ratio of solids.

Examples:

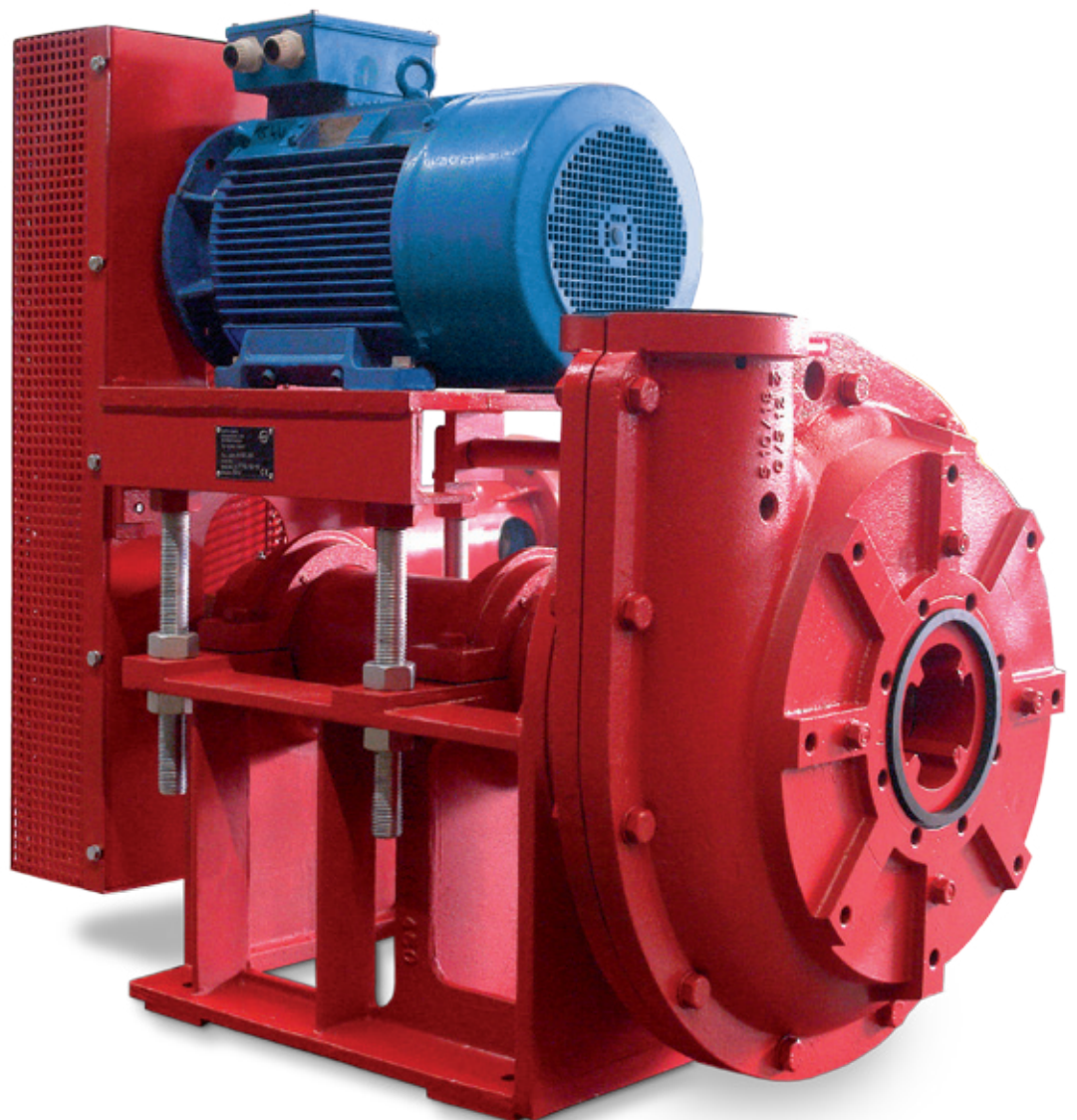
- Chemical industry
- Mining of coal and metal ores
- Steel and smelting works
- Porous concrete works
- Gravel and sand industry
- Quartz mines
- Potash and salt industry
- Limestone, gypsum and laitance, etc.

OPERATING DATA

Q = up to 2800 m³/h (≈ 700 l/s)
H = up to 95 m F.I.S.

PRESSURE SOCKETS

DN 50 up to DN 250



MADE IN GERMANY

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HORIZONTAL SLURRY PUMP HEPUS

DESIGN

The heaviest construction of the overall pump structure. The wall strengths of all pump parts like casing and wear plates – suction and pressure side and of the impeller – are strongly over dimensioned. All fitting surfaces are mechanically-processed.

Thus the pump achieves high efficiency and high performance with low operating costs. Through the simple and well thought-out conceptual design, all wear parts are interchanged in the shortest amount of time and thereby achieve minimal periods of standstill.

ABRASION MATERIALS

- Nihard-4-Special
- Chromium steel 1.4138
- Cr-Ni Steel 1.4410
- GGG-40 to GGG-100
- GG-25
- Polyurethane PU
- Other materials on request

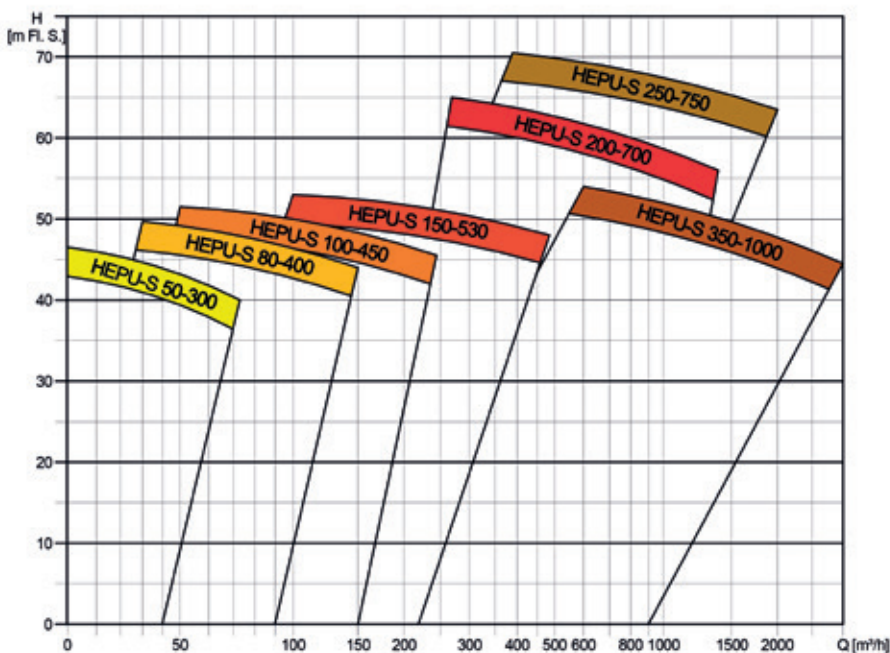
COAT

Finish-coat according to RAL 3000

BEARING

The strongly-dimensioned pump shaft and the lubricated cylindrical and spherical roller bearings are theoretically constructed for approx. 100,000 hours of operation. The entire bearing housing with shaft can be completely interchanged as a unit. The bearing mount can be adjusted axially with the shaft and impeller, and thus an optimisation of the suction-side opening can be achieved.

PERFORMANCE DIAGRAM



STUFFING BOX SEAL

The specially-conceived HEPUS shaft seal guarantees a very high durability.

FLOATING SEAL

The floating gasket is used wherever only low quantities of sealing water may enter the medium to be pumped.

MECHANICAL SEAL

Here both simple and double-action mechanical seals of all brands are available.