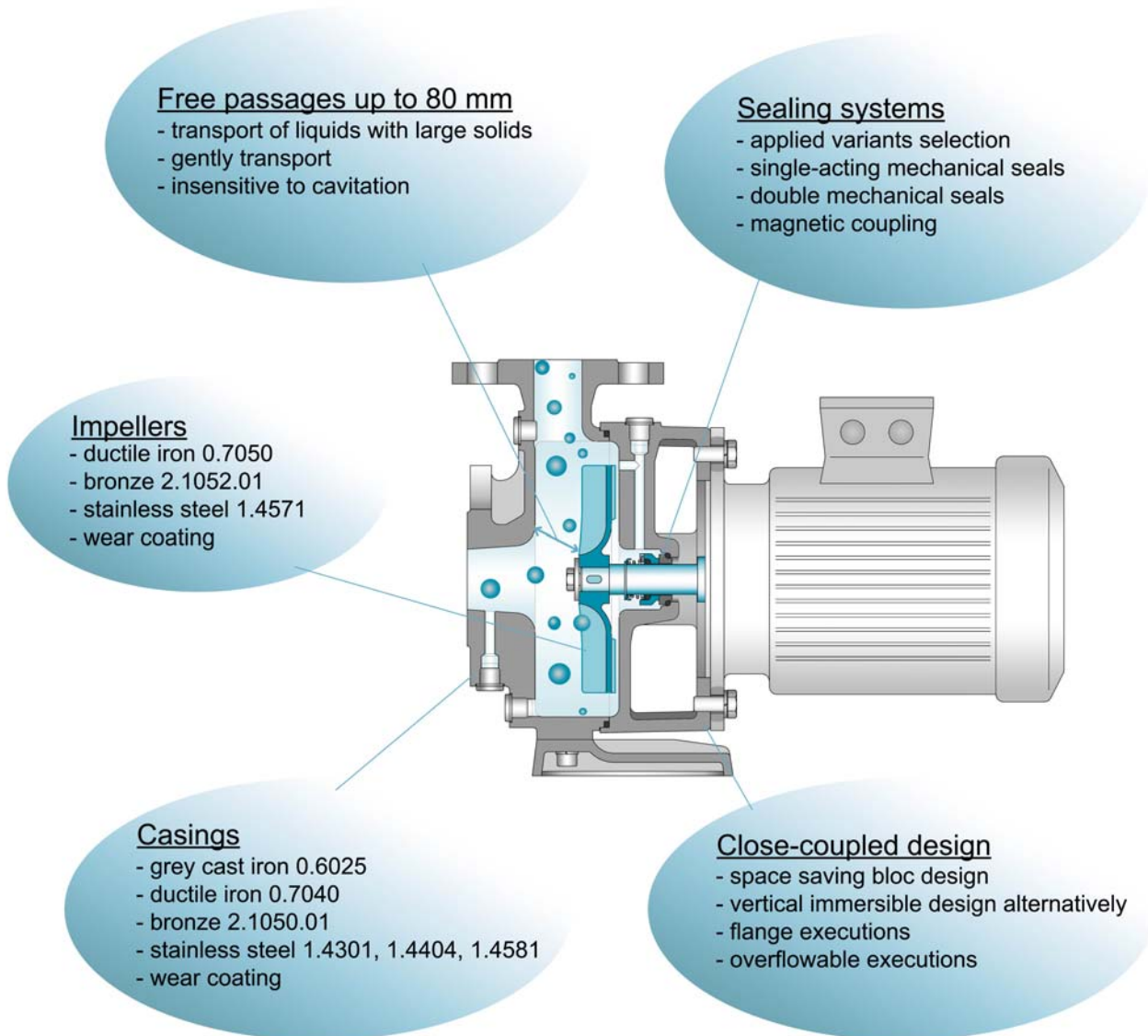


Gently transport of liquids with solids EDUR Torque-flow pumps now upto 390 m³/h



Examples for Applications

- bottle and case washing systems
- environmental technology
- filter systems
- food technology
- metal cleansing installation
- plastic recycling
- transport of cooling emulsions
- vegetable washing plants
- wastewater treatment and collection systems

Examples for Liquids to be transported

- biomass
- cleaning agents with solids contents
- granulates, sand, gravel contents
- industrial sewage water with fibrous contents
- lime milk
- polluted cooling emulsions
- suspensions
- water with vegetable contents

Gently transport of liquids with solids

EDUR Torque-flow pumps now upto 390 m³/h



Problem

- Premature wear and tear in case of transport of liquids loaded with solids
- Solids or fibrous solids lead to blocking of the pump
- Abrasive, gap-passing media or depositing media are leading to defect of the shaft sealing
- Vacuum operation
- Slurp operation or dry-running of mechanical seal
- Difficult installation conditions and small space requirements increase mounting expenditure

Problem Solution

- There is only a low wear and tear due to the impeller in the EDUR torque-flow pumps being outside of the main flow and gently transport of the solids - therefore long service life
- Completely free passages:
 FUB 300 < 30 mm CBF 32 < 20 mm
 FUB 500 < 40 mm CBF 50 < 40 mm
 FUB 600 < 50 mm
 FUB 700 < 80 mm
 FUB 800 < 50 mm
- Even abrasive and fibrous solids rising to the surface are being controlled
- Quenching or protecting the shaft sealing area by means of external sealing liquids and disconnection securing device are possible
- ATEX executions on request

Materials	FUB 300 - FUB 500	FUB 600 - FUB 700	FUB 800	CBF
Casings	0.7040 (GGG40) 2.1050.01 (G-CuSn10)	0.6025 (GG25) 2.1050.01 (G-CuSn10)	0.6025 (GG25) 1.4581 (GX5CrNiMoNb19 11 2)	1.4301 (X5CrNi18 10) 1.4404 (GX2CrNiMoN18 10)
Impeller	0.7050 (GGG50) 2.1052.01 (G-CuSn12) 1.4517 (GX3CrNiMoCuN25 6 3 3)	0.7050 (GGG50) 2.1052.01 (G-CuSn12)	1.4517 (GX3CrNiMoCuN25 6 3 3)	1.4517 (GX3CrNiMoCuN25 6 3 3)
Shaft	1.4057 (X22CrNi16 2) 1.4462 (X2CrNiMoN22 5 3)	1.4057 (X22CrNi16 2) 1.4462 (X2CrNiMoN22 5 3)	1.4462 (X2CrNiMoN22 5 3)	1.4301 (X5CrNi18 10) 1.4404 (GX2CrNiMoN18 10)



Torque-flow impeller with wear coating



Sewage systems for shipbuilding

We look forward to receive your requirements and applications for the transport of liquids with solids.

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