

Siebec – vertical pump ST 22 – ST 42



The ST42 - 22 out of tank vertical pump range benefits from proven design features gained through over 60 years of experience and developments, and has been specially designed to handle the transfer of industrial and corrosive fluids with flow rates from 2 up to 4 m³/h and with a total head of up to 5.5 meters.

The innovative design integrates an internal stainless steel structure over-moulded with plastic (PP or PVDF) which eliminates weak shaft connections whatever the temperature or liquid nature.

The chemical duty motor, with integrated extended SS shaft, ensures a great alignment of the impeller, the unique hydraulic part (closed impeller + innovative diffusor) has been enhanced through numerical simulations to improve hydraulic performances in comparison to existing pumps.

All those innovations allow the pump to reach incredible efficiency. All our pumps are individually tested in order to ensure proper operation and hydraulic performances.

Highlights

- High efficiency: 20% higher than the market average pumps
- Important energy savings
- Improves productivity through enhanced hydraulic performances
- Quiet and vibration-free operation
- Ultracompact design
- Design ultracompact

- Dry run possible without damage to the pump
- Robust and reliable
- High-density version available on request (up to d=2m)
- No overflow flow rate thanks to the counter turbine

Typical applications

- Electroplating baths, rinse bath, acids, alkalis, chemically contaminated fluids, corrosive media, and effluents
- Works out of the bath only (a version that works outside of the tank is also available)

Features

Assembly	Out of tank
Electrical motor	Integrated
Power supply	230V / 400V 3ph
Frequency	50Hz or 60Hz
Rotation speed	3 000 rpm
Power	ST42 : 0,18 kW (ST42 PVDF : 0,25 kW) ST22 : 0,12 (ST22 PVDF 0,18 kW)
Flowrate	ST42 : 4,4 m ³ /h (ST42 PVDF : 4,4 m ³ /h) ST22 : 2,9 m ³ /h (ST22 PVDF : 2,9 m ³ /h)
Total Head	ST42 : 5,2 mWC ST22 : 4 mWC
Max temperature	80°C (PP)
Density	ST42 : < 1,9 (ST42 PVDF : > 2) ST22 : <1,6 (ST22 PVDF : > 2)
Gaskets	PP : EPDM - FPM (PVDF : FPM)



GROUP: Siebec SAS., Bohncke GmbH (Germany), QUALI-FILTRES SAS (France), SOFRAPER SAS (France)

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