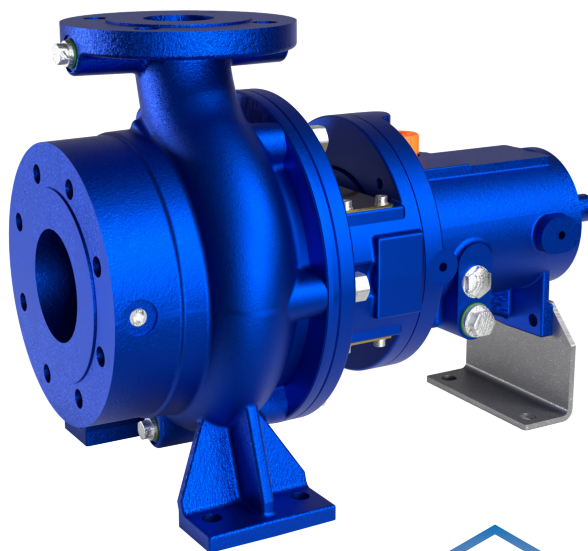


Series information
CSP_01_EN

STROBL PUMPEN

Chemical slurry pumps Series CSP

- ◉ Product overview
- ◉ Executions
- ◉ Characteristic curves



STROBL





General description

The **CSP series of chemical slurry pumps** are special, single-stage, normal-priming centrifugal pumps designed for use in the chemical, petrochemical industries as well as the general industrial sector. They are characterized by standardized dimensions in accordance with ISO 2858. Our series covers the full spectrum, ranging from simple basic models to variants compliant with ISO 5199 and those based on API 610-OH1. The scope of supply ranges from individual pumps with free shaft ends to fully developed, highly integrated complete systems.

Fields of applications

The primary application of chemical slurry pumps is the handling of a wide variety of contaminated or solids-laden liquids generated in process engineering plants. Due to the available material options, our pumps are ideally suited for pumping aggressive or abrasive liquids. Contaminated acids, alkalis, or slightly viscous media can also be handled by these pumps.



- Conveying of process liquids
- Production of biofuels
- Chemical recycling of plastic waste



- Industry and plant engineering
- Circulation of liquids
- Refinery and offshore applications

Advantages

The use of **vortex (free-flow) or channel impellers**, as used in wastewater technology, makes this pump ideal for handling demanding fluids. **Crystalline, solids-laden, or particle-laden liquids** can be pumped reliably, without clogging and with minimal wear. Depending on the pump and impeller design, the free passages can be up to 90% of the discharge outlet's nominal diameter—a decisive advantage when handling media containing solids.

The **selection of seals and materials** is identical to our established **CNP series of chemical standard pumps**. Furthermore, the **robust bearings of the CSP series are identical to those of the CNP series**, ensuring high operational reliability. The use of standard parts allows for easy replacement of spare parts, significantly reducing storage and maintenance costs.

Existing systems with a standard chemical pump can be easily **upgraded to the CSP series chemical wastewater pump** without complex modifications, thanks to **ISO 2858-compliant connection dimensions**. This upgrade allows safe operation with **abrasive and solids-laden media** and provides a **significantly longer service life** compared to conventional standard chemical pumps.

STROBL PUMPEN

Type code

Series

CSPL 40-25-160-XX

CSPL	- Horizontal chemical slurry pump, with oil lubricated bearing and free shaft end (standard version)
CSPN	- Horizontal chemical slurry pump in close coupled version
CSPVS	- Vertical sump pump with medium lubricated guide bushings

Nominal size of suction nozzle

CSPL **40**-25-160-XX See dimensional drawing or characteristic curve

Nominal size of pressure nozzle

CSPL 40-**25**-160-XX See dimensional drawing or characteristic curve

Nominal diameter of impeller

CSPL 40-25-**160**-XX See dimensional drawing or characteristic curve

Impeller execution

CSPL-**F** 40-25-160-XX

F	- Vortex impeller
K3	- 3-blade channel type impeller

Execution code

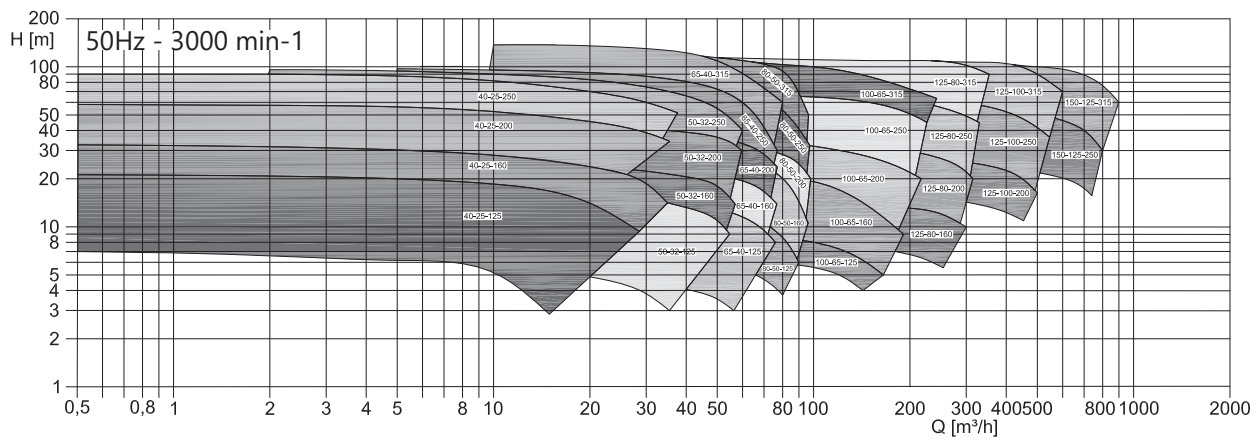
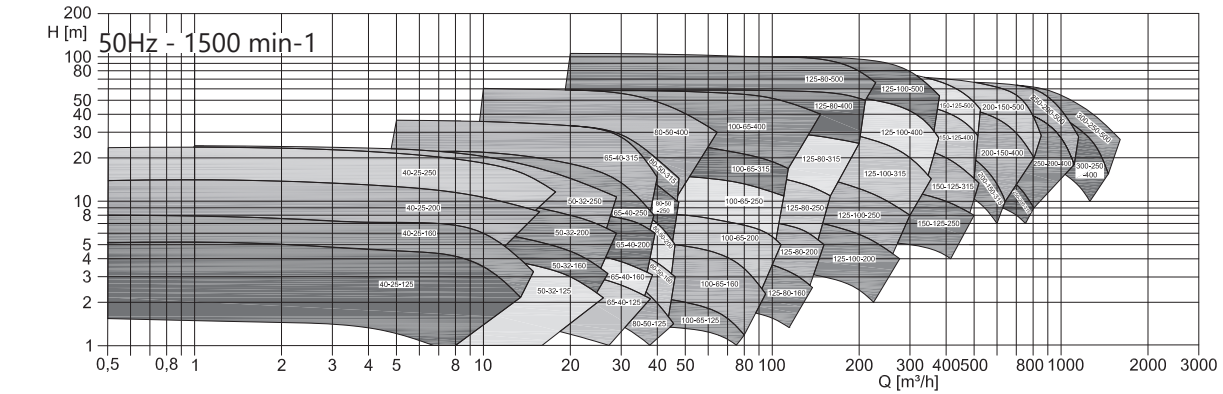
CSPL 40-25-160-**X31**

	- Standard version + wear ring
X11	- Version PN25 if not identical to PN16 + casing wear ring
X21	- Version PN40 if not identical to PN16 + casing wear ring
X31	- Version ANSI RF150 + casing wear ring
X41	- Version ANSI RF300 + casing wear ring
XXX	- Special versions, e.g. with vent piping, etc.

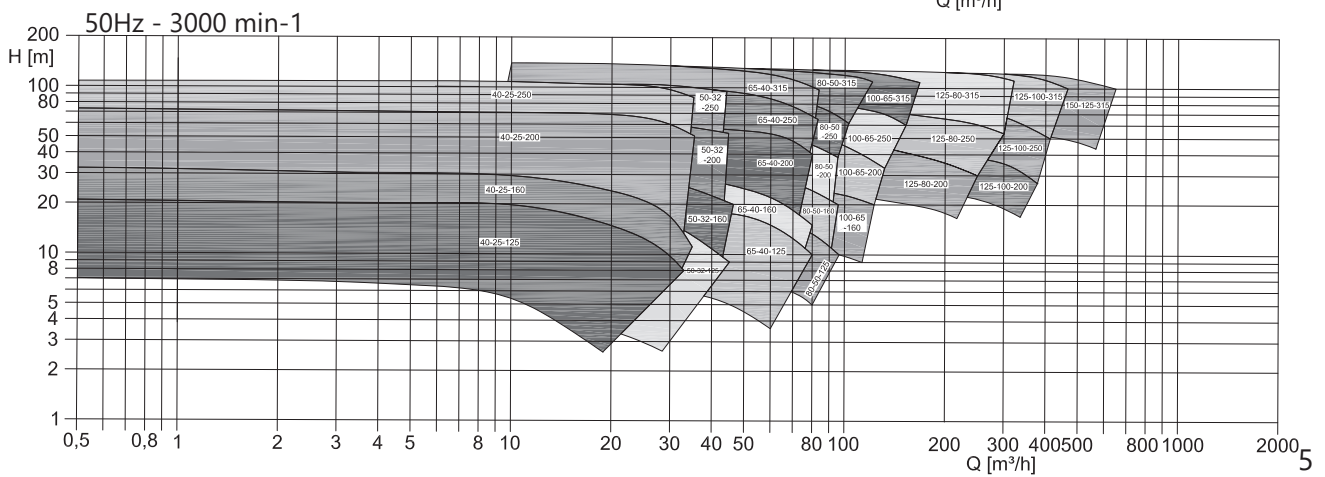
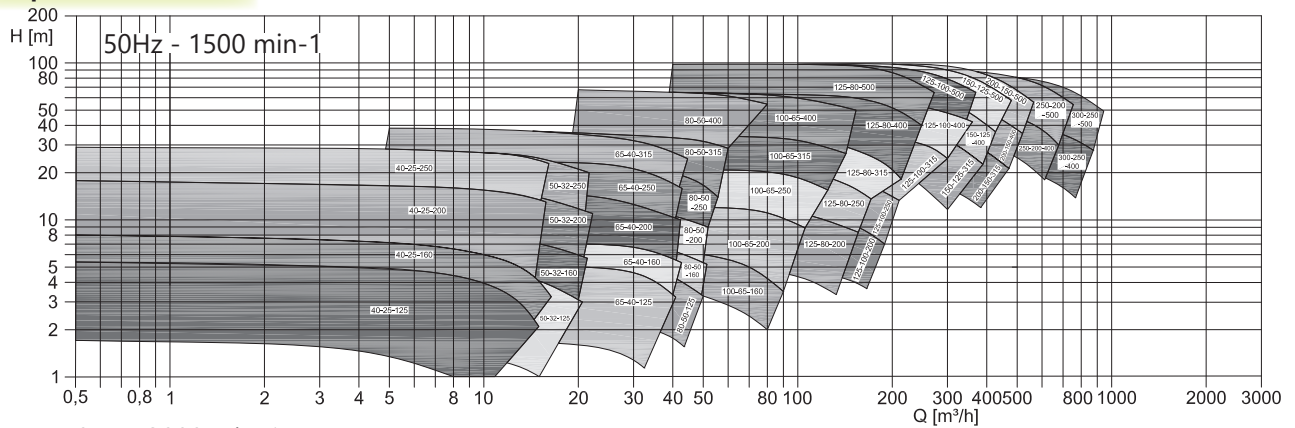


Characteristic curves

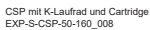
F-Impeller



K3-Impeller



CSPL with K3-Impeller and cartridge seal



CSPL with K3-Impeller and mechanical seal



Your contact

