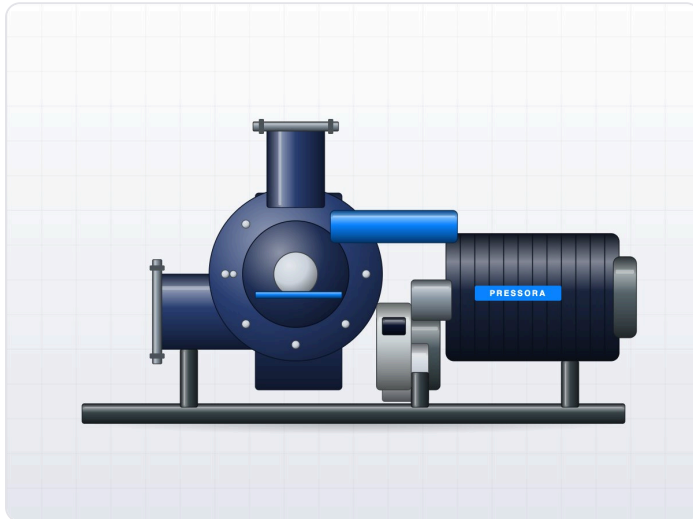


ILLUSTRATIVE DEMONSTRATION DATASHEET — fictional product and data; not for engineering or purchasing use.

CP-200 Chemical Process Pump

Model CP-200

Heavy-duty process pump with a frame-mounted bearing housing.

FLOW RATE
Up to 350 m³/hHEAD
Up to 150 mFLUID TEMPERATURE
-40 to 260 °CMAX. WORKING
PRESSURE
25 bar

OVERVIEW

The CP-200 follows the horizontal, end-suction process pump layout: a back pull-out casing, a separate bearing frame and a spacer coupling. Wetted parts are specified to the fluid, from cast iron to duplex stainless steel.

A cartridge seal chamber accepts single or double mechanical seals with flush plans.

KEY FEATURES

- Separate bearing frame with oil lubrication
- Spacer coupling for seal replacement in place
- Seal chamber suited to single or double seals
- Wetted-material options by fluid

TECHNICAL SPECIFICATIONS

HYDRAULICS	Flow range (50 Hz)	10 – 350 m ³ /h
HYDRAULICS	Head range (50 Hz)	10 – 150 m
CONNECTIONS	Suction / discharge	DN 40 – DN 200, PN25
DRIVE	Motor power	1.1 – 160 kW
OPERATING LIMITS	Max. working pressure	25 bar
OPERATING LIMITS	Fluid temperature	-40 to 260 °C
SEALING	Arrangement	Single or double mechanical
MASS	Pump with baseplate	120 – 980 kg

MATERIALS OF CONSTRUCTION

CASING	Duplex stainless steel (option: cast iron)
IMPELLER	Duplex stainless steel
SHAFT SLEEVE	Hardened stainless steel
SEAL	Cartridge, SiC / SiC

STANDARDS AND OPERATING CONDITIONS

Design reference: ISO 5199 / ASME B73.1 class (illustrative)
Aggressive and hot liquids; material selection by fluid data sheet.