

PROLAC HCP-WFI

Centrifugal pumps for pharmaceutical applications

I Application

Higher standards are required in the pharmaceutical industry than in the food industry to pumping products like purified water (PW), water for injection (WFI), etc.

I Design and features

Using the HCP centrifugal pumps as a base, we have designed the HCP-WFI model, which adds the most popular options in pharmaceutical applications to the PROLAC HCP pump.

HCP pumps are sanitary grade centrifugal pumps designed in accordance with EHEDG recommendations. The HCP can easily be cleaned by using chemical products (CIP) and suitable for steam sterilisation (SIP).

Supplements to the basic configuration of a PROLAC HCP pump:

- Surface finish of the parts in contact with the product: $Ra < 0.5 \mu m$
- Simple mechanical seal: TuC/SiC
- FDA and USP Class VI certified EPDM O-rings
- 1/2" CLAMP drain port in the pump housing
- CLAMP OD connections
- Materials certificate 3.1 (according to EN10204)
- Gasket certificate 2.1 (according to EN10204)
- Roughness certificate

Sanitary grade mechanical seal, according to EHEDG standards, with hard faces avoids the possibility of dust traces contaminating the product being pumped.



I Available options

- Discharge port orientated to 45° (to evacuate air bubbles that could remain in the upper part of the pump housing).
- Vertical discharge port (0°).
- Double seal and cooling circuit with the liquid being pumped, with the possibility of adding different accessories (pipework, check valve, diaphragm valve, etc.).
- Drainage valve with various possible configurations (manual or automatic diaphragm valve, stainless steel or plastic bonnet etc.).
- Hydraulic test certificate with guarantee.
- Electro-polished finish.



Single mechanical seal



Drainage valve



Discharge port at 45°



Cooling circuit