



Alfa Laval CIP 75 and Alfa Laval CIP 200

Cleaning in Place unit for heat exchangers



A problem frequently encountered in almost all applications is the build-up of deposits on heat transfer surfaces. Alfa Laval supplies a wide range of cleaning agents suitable for removing most of these troublesome deposits and restoring performance to optimal levels. The time-consuming work of opening plate heat exchangers can thus often be avoided by using an Alfa Laval Cleaning in Place (CIP) unit.

Alfa Laval CIP units are available in a wide range of standard sizes, with optional extras that include reversible flow and explosion-proof capabilities. Alfa Laval CIP units can be used for all types of heat exchangers, including spiral heat exchangers, shell-and-tube heat exchangers and gasketed, welded and brazed plate heat exchangers.

Concept

Alfa Laval CIP units are simplicity itself:

- Connect the Alfa Laval CIP unit to the heat exchanger
- Mix the cleaning agent with water in the tank and heat it up
- Circulate the cleaning solution a couple of hours
- Drain and rinse
- Disconnect the CIP unit
- The heat exchanger is back to full performance capacity

Alfa Laval CIP units are a cost-effective way to achieve better performance, and the cleaning agents used are, of course, environmentally friendly.

In addition to boosting the performance of all kinds of heat exchangers, Alfa Laval cleaning agents extend the operating time between cleaning cycles as well as prolonging the overall lifetime of the heat exchangers, without damaging the plates or gaskets.

Features & benefits

- Connected directly to inlet and outlet. This avoids any need to open the heat exchanger, which in turn minimizes downtime and prolongs the working life of the gasket.
- All wetted parts in the operating unit, as well as the pump and valves, are made of AISI 316 stainless steel to ensure maximum working life.
- High-quality equipment that is CE marked and manufactured according to ISO 9001 standards.
- Rapid cleaning at optimal temperatures, due to built-in heater (standard equipment) operating on electricity or steam, as required.
- Available with valve-arrangement for reversible flow direction. This makes it possible to remove the solid particles rapidly, and is easy to operate without needing to rearrange the connection hoses.

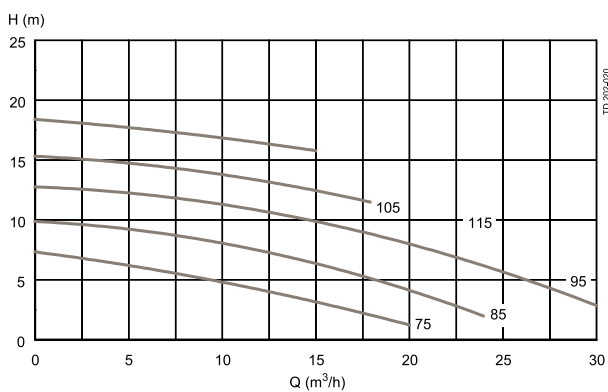
Technical specifications

| | Alfa Laval CIP 75 | Alfa Laval CIP 200 |
|---------------------------|----------------------------|----------------------------|
| Pump * | Centrifugal, FM-OS/95 | Centrifugal, FM-OS/95 |
| Voltage | 230 V/1 phase/50 Hz | 400 V/3 phase/50 Hz |
| | 400 V/3 phase/50 Hz | 440 V/3 phase/60 Hz |
| | 440 V/3 phase/60 Hz | 60 V/3 phase/60 Hz |
| | 460 V/3 phase/60 Hz | 480 V/3 phase/60 Hz |
| | 480 V/3 phase/60 Hz | 500 V/3 phase/50 Hz |
| Total heating power | 6 kW ** | 6 kW ** |
| Max. operating temp | 70°C (158°F) | 70°C (158°F) |
| Volume | 75 litres (20 US gallons) | 200 litres (53 US gallons) |
| Weight | 105 kg | 115 kg |
| Length | 990 mm | 1320 mm |
| Width | 500 mm | 500 mm |
| Height | 820 mm | 820 mm |
| Number of hoses | 2 | 2 |
| Hose length | 4 m | 4 m |
| Hose material | EPDM | EPDM |
| Connection standard *** | ISO 7-1 (DIN 2999) 11/2" | ISO 7-1 (DIN 2999) 11/2" |
| Material for wetted parts | AISI 316 (stainless steel) | AISI 316 (stainless steel) |
| Pump gaskets | NBR | NBR |
| Hose connection gaskets | EPDM | EPDM |
| Eexd (explosion-proof) | On request | On request |

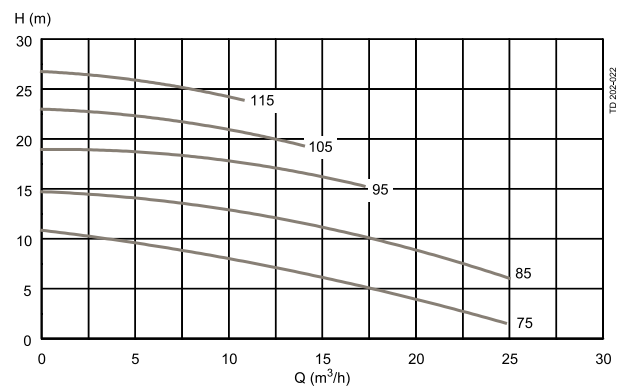
* See pump curve for flow rate and pumping head

** 1 kW for 230 V/1 phase/50 Hz

*** Socket to be welded at pipe included for easy set-up



Pump curve for 50 Hz. Impeller dimensions 95.



Pump curve for 60 Hz. Impeller dimensions 95.

How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com to access the information direct.