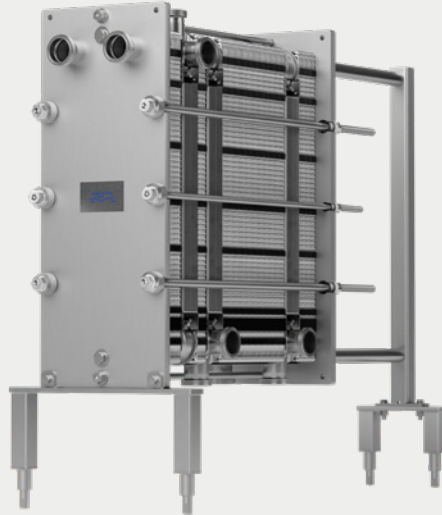


# Top 10 tips

To keep your Alfa Laval hygienic gasketed plate heat exchanger in tip top condition



- 01** Make sure that the operating conditions (temperatures and flow rates) comply with the design specifications.
- 02** At start-up and when switching between different media, make sure that valve opening- and closing times are long enough so that pressure surges or water hammers are not created.
- 03** Use upstream filters and strainers to remove particulate fouling and protect the heat exchanger.
- 04** Check for any changes in temperature, pressure and any signs of external leaks daily.
- 05** On a regular basis keep the tightening bolts clean and well-lubricated.
- 06** Use Alfa Laval Integrity Test (or other condition monitoring techniques) to avoid having to open the plate heat exchanger for inspection.
- 07** Use Cleaning-in-Place (CIP) to avoid the need to open the heat exchanger for cleaning.
- 08** Always keep stand-by units clean and dry. If a heat exchanger is taken out of service, flush with fresh water and drain it completely.
- 09** Protect the plate heat exchanger from water or product splash. Also avoid exposure to ultra violet rays and ozone (typically generated from electrical sources), since it can damage the gaskets.
- 10** Only use Alfa Laval spare parts for guaranteed performance, reliability and equipment life. Maintain a stock of essential spare parts, and follow the storage instructions.