

# Application story



## CIP in Food Processing

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| <b>Location</b>                                          | Netherlands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Hydra-Cell model</b> | G10XKPASFEPE                |
| <b>Type of application</b>                               | CIP for Food Processing Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Flow rate</b>        | 490-1160 l/hr (130-300 gph) |
| <b>Liquid</b>                                            | Sodium Hydroxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Pressure</b>         | 12 bar (175 psi)            |
| <b>Application details</b>                               | <p>For clean-in-place pumping systems where the cleaning liquid would be sodium hydroxide solution at 20°C, a large Dutch process equipment OEM chose Hydra-Cell G10 pumps with polypropylene heads. The pumps are mounted on skids.</p> <p>To withstand aggressive chemicals used on-site for external cleaning, the standard front plate of each pump was replaced with a plate in 316 stainless steel. Special stainless steel bolts were also fitted.</p> <p>On this application, Hydra-Cell pumps were designed-in from the outset – an important advantage being their seal-less design and reliability in leak-free handling of a chemical solution that could be harmful to skin.</p> <p><b>NOTE</b></p> <p>These pumps are modified from new by our distributor to include a 316L Stainless Steel front plate &amp; all Stainless Steel manifold fixings.</p> |                         |                             |
| <b>Advantages of Hydra-Cell pump on this application</b> | Seal-less construction. Reliability.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                             |

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