

# Application story



## Cleaning within Coffee Manufacturing

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |                      |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|
| <b>Location</b>                                          | Brazil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Hydra-Cell model</b> | T100ERSGHFEHAC       |
| <b>Type of application</b>                               | Washing of Extraction Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Flow rate</b>        | 366.1 lpm (96.7 gpm) |
| <b>Liquid</b>                                            | Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Pressure</b>         | 103 bar (1494 psi)   |
| <b>Application details</b>                               | <p>This customer's brand is present in 99% of Brazilian homes, and the world leader in food and beverages, operating in 190 countries.</p> <p>This pumping process is part of the washing of the extraction cells in the production of roasted and ground coffee.</p> <p>These extraction cells are very large pots with a filter, and the pump helps in the accommodation and compaction of the coffee in the cells, requiring a precise control of how much coffee should be allocated to each cell.</p> <p>With the installation of Hydra-Cell, the time previously spent to accommodate the coffee in the extraction cells was reduced by 75%, and also reduced the time to clean the cells by 50%.</p> |                         |                      |
| <b>Advantages of Hydra-Cell pump on this application</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |                      |

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