

# Application story

**WANNER**  
HYDRA-CELL® PRO  
SEAL-LESS PUMP TECHNOLOGIES



## Dosing Water / Yeast Mixture

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| <b>Location</b>                                          | Germany                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Hydra-Cell model</b> | G03XKSTHFEHK / G10XKSTHFEHE |
| <b>Type of application</b>                               | Dosing Water / Yeast Mixture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Flow rate</b>        | 6 – 20 L/min                |
| <b>Liquid</b>                                            | Water<br>Yeast<br>Salt-Mix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Pressure</b>         | 25 Bar (362 psi)            |
| <b>Application details</b>                               | <p>Reimelt in Germany is an OEM designer and builder of fully-automated process lines for high-volume bakers and caterers.</p> <p>One major process involves the delivery of water, yeast and salt-mix in the large-scale production of bread. Consistent and accurate dosing are essential, so flow rate is critical.</p> <p>Hydra-Cell seal-less pumps, G10 and G03, were tested to replace progressive cavity pumps on this application. The design engineers reported very favourably – commenting that the Hydra-Cell was the best pump for controlability and consistency they had ever tested.</p> <p>Underlying their performance is a unique pumping action using multiple hydraulically balanced diaphragms. The design is also seal-less, enabling the pumps to perform reliably when handling liquids with particles, and requiring minimal maintenance.</p> |                         |                             |
| <b>Advantages of Hydra-Cell pump on this application</b> | Easy to control - flow is directly related to pump speed. Accuracy. Consistency. Ability to handle particulates. Low maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |                             |

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