

# Application story

  
**WANNER**<sup>TM</sup>  
**HYDRA-CELL<sup>®</sup> PRO**  
SEAL-LESS PUMP TECHNOLOGIES



## Reverse Osmosis for Cosmetics Manufacture

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                  |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------|
| <b>Location</b>                                          | France                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Hydra-Cell model</b> | G25XKSGHFEMB     |
| <b>Type of application</b>                               | Reverse Osmosis for Cosmetics Manufacture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Flow rate</b>        | 15 l/min (4 gpm) |
| <b>Liquid</b>                                            | Algae Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Pressure</b>         | 40 bar (580 psi) |
| <b>Application details</b>                               | <p>A cosmetic manufacturer in France is enjoying high-level controllability and energy efficient benefits after the installation of a Hydra-Cell G25 pump in its manufacturing plant.</p> <p>An important constituent of the product is algae - which has to be separated from the original solution by means of reverse osmosis.</p> <p>The seal-less design of the G25 allows the liquid containing the algae particles to be pumped reliably, while the low shearing pumping action of the design ensures that the structure of the essential ingredient is not destroyed.</p> |                         |                  |
| <b>Advantages of Hydra-Cell pump on this application</b> | Seal-less design, high energy efficiency. Controllability. Low shear pumping action.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |                  |

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