

## Case story

Biopharmaceutical company,  
South Korea

# Uninterrupted and safe production with robust and reliable diaphragm valves

When a large biopharmaceutical company in South Korea faced challenges with their existing diaphragm valves, they started to look for alternative solutions for their new production line. After thorough evaluation, they decided to go with Alfa Laval Unique DV-ST UltraPure diaphragm valves. The decisive factors were optimum robustness and reliability, fast support from local partner and state-of-the-art valve control.



## Facts about Alfa Laval diaphragm valves

- The Alfa Laval Unique DV-ST UltraPure diaphragm valves are designed for ultrapure processing
- The valves can be configured in multiple ways based on a comprehensive valve portfolio, including:
  - Wide range of valve body configurations from ¼" to 4"
  - 2-way valves
  - T-valves
  - Tank outlet valves
  - Tandem valves
  - Standard multiport or engineered multiport valves
  - All configurations are available with sampling or steam access ports in a wide range of materials
  - Long-lasting diaphragms in both soft and hard elastomer such as EPDM, PTFE and TFM
  - Robust stainless-steel handles and actuators
  - Alfa Laval state-of-the-art ThinkTop V-series valve control
- All valves come with complete and comprehensive Alfa Laval Q-doc documentation



### Alfa Laval Unique DV-ST UltraPure

The compact and lightweight valves comprise a series of base parts including valve bodies, diaphragms, actuators and handles. Compatible with the Alfa Laval ThinkTop valve control units.



Mr. DongHo Kim,  
founder and owner of BES.

### Robust valves and fast, local support

One of the largest pharmaceutical companies in South Korea strives to provide the market with the best possible medicine. However, they had been facing challenges with their existing diaphragm valve solution. The primary issues involved the lack of actuator durability, diaphragm lifetime and difficulties in ensuring fully closed valves. Additionally, they sought fast and reliable local support for troubleshooting, maintenance, and spare parts.

### Optimum flexibility and reliability

After thorough consultations with their system builder, Biosystem Equipment Solution (BES), the company opted for Alfa Laval Unique DV-ST UltraPure diaphragm valves designed for pharmaceutical, biotech and other ultrapure processes.

"We recommend the Alfa Laval DV-ST valves to all our customer because of its operational robustness and exceptional flexibility in configuration. These compact and lightweight valves are made with premium materials and offer a wide range of valve bodies, diaphragms, actuators, handles and valve control. This enables us to deliver solutions tailored to our customer's exact needs", says Mr. DongHo Kim, founder and owner of BES.

### High uptime ensured by rapid local support

BES takes pride in providing fast and specialized support, leveraging their deep knowledge of the DV-ST series and ensuring quick delivery of valves and spare parts.

**"By being close at hand and offering swift deliveries, complete with full documentation for the pharmaceutical industry, we help ensure **uninterrupted and safe production at all times.**"**

Mr. DongHo Kim  
Founder and owner of BES

"Our ultimate goal is to give our customer total peace of mind. By being close at hand and offering swift support and deliveries, complete with full documentation for the pharmaceutical industry, we help ensure uninterrupted and safe production at all times. Without a doubt, the Alfa Laval DV-ST diaphragm valves are among the best solutions available today", says Mr. DongHo Kim.

Alfa Laval has a wide channel partner network securing competent and agile support close to customers and backed up by Alfa Laval specialists both on equipment, process and application, as well as maintenance and service know-how.

### Peace of mind at all times

In total, the biopharmaceutical company ordered 765 Alfa Laval Unique DV-ST UltraPure diaphragm valves in a wide range of configurations for their water system and biopharmaceutical upstream processes. The customer can now rest assure that they have robust and reliable diaphragm valves that secure uninterrupted and safe production at all times.



### Contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at [www.alfalaval.com](http://www.alfalaval.com)