



INTRODUCTION TO SAMPLING VALVES

A sampling valve is a type of valve used to take a representative sample or portion of a liquid, gas, or solid for testing purposes. While other types of valves, such as ball valves, can be used for sampling product, a dedicated sampling valve makes the procedure more precise, convenient and *much safer*.

Product samples can be taken from tanks, reactors or straight from production pipelines throughout a facility so applications will vary, but as with all other BI-TORQ products, we make the process of specifying and quoting as easy as possible. The basic information needed to get a quote on this product is pretty standard for valves and BI-TORQ's *SMART System* will help for identifying those crucial items. We also have a dedicated application sheet to provide a clear check list of the most common options.

A very common sampling valve configuration is one with a 316SS body and piston along with TFE seals. Those two materials not only maximize life of the valve, but will cover a majority of liquid applications less than 450°F, just like our automated ball valves. After determining chemical compatibility and end connections, the piston length is all that is really needed unless the application is special or the valve needs to be automated. Tougher applications include ones with high heat, slurries or solids.

Our Sampling Valves are *bi-directional* so they can be used in both sampling and injection applications, further increasing the functionality of the valves and allowing for them to be stocked with minimal inventory.



SEE THE STRAHMAN ADVANTAGE

OPTIONS

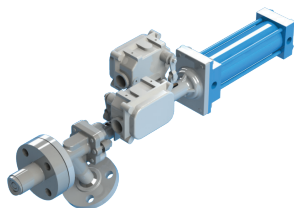
- Body materials
- End connection type
- Piston extensions
- Heat jackets
- Actuation options
- Bottles and adapters

DIFFERENTIATORS

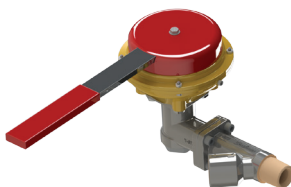
- Long life
- Non-clogging design
- Opening indication
- Customizable
- Provides live sample
- No dead space

INDUSTRIES

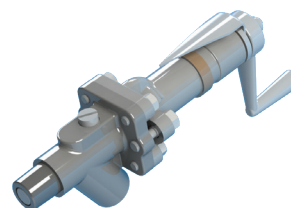
- Refineries
- Chemical processing
- Plastics and polymers
- Food and beverage
- Pharm and Biotech
- Pulp and paper



FLANGED VALVE WITH AIR CYLINDER
AND CUSTOM SWITCH AND NOZZLE



QUICK ADVANCE PISTON-TYPE
WITH SPRING RETURN HANDLE



STANDARD PISTON-TYPE
WITH NO PISTON EXTENSION

To learn more about the product and how you can find applications at your current customers, contact your local BI-TORQ representative or email marketing@bitorq.com.