



VARIVENT® Mixproof Sampling Valve

For automatic sampling

Made by GEA Tuchenhagen

NEW



Process Equipment

GEA Tuchenhagen

VARIVENT® Mixproof Sampling Valve



With the VARIVENT® mixproof sampling valve a new era of sampling technology starts.

These valves are ideally suited as fully automatic sampling and dosing valves in process plants.

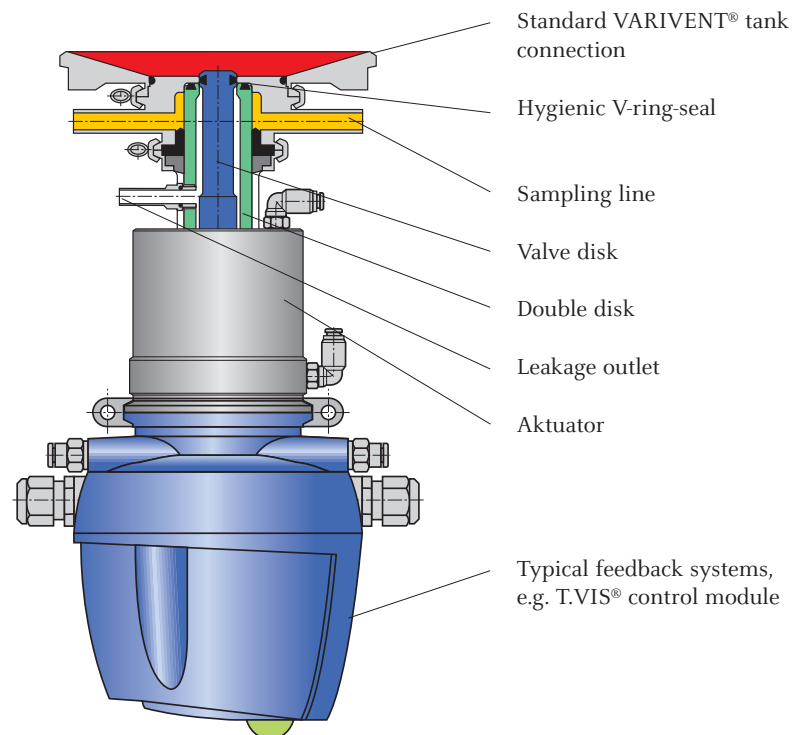
VARIVENT® mixproof sampling valves stand out for their operational reliability, reliable separation of incompatible media, CIP/SIP-capability and low maintenance requirement - the fundamental factors for achieving consistent product quality, high output rates and economical operating, maintenance and service costs.

A new era of sampling technology

With the VARIVENT® mixproof sampling valve, GEA Tuchenhagen offers an innovative double-seat valve solution, which adds greater flexibility to the VARIVENT® valve series.

This valve recommends itself for use in automatic sampling systems and dosing functions, as it can easily be fitted to a tank wall or be connected to a standard VARINLINE® housing .

The big advantage of this mixproof sampling valve is that the sampling line can be cleaned and sterilized after sampling, while the production process in the associated tank or connected pipe can continue unhindered.

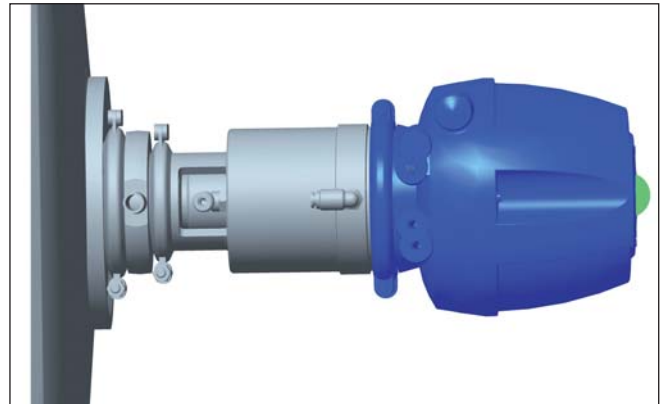


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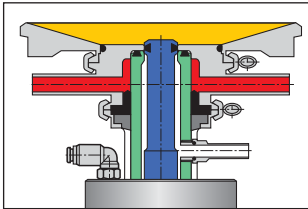
Fully automatic sampling

The mixproof valve can easily be mounted to a tank via a tank flange. The VARIVENT® interface allows all current types of GEA Tuchenhagen control modules to be integrated so that the valve can be used for fully automatic sampling without any need for manual operation.

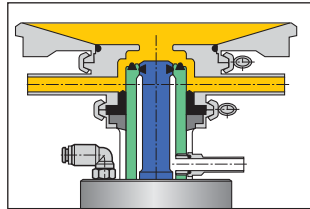
The design as mixproof double-seat valve makes it possible to clean and sterilize the sampling pipe independently of the tank, whilst the production process in the tank continues undisturbed.



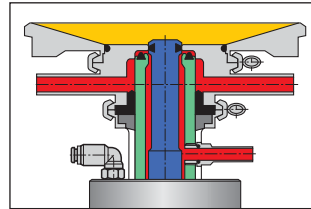
Typical installation position:
Horizontal orientation at the tank wall



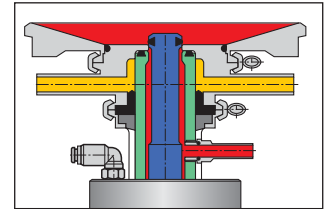
Mixproof position
Cleaning and sterilization of the sampling pipe whilst production is running in the tank



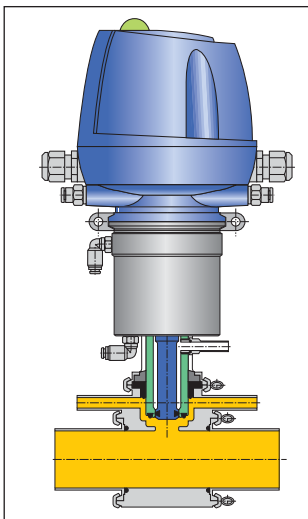
Open position
Sample being drawn from the tank



Lifting of upper valve disk
Cleaning of the upper seal and the leakage chamber



Lifting of lower valve disk
Cleaning of the lower seal and the leakage chamber



Simple metering

The small mixproof valve is ideally suited for dosing smaller volumes of liquid into large process pipes. Having an in-line connection as standard interface the valve can easily be fitted into standard VARINLINE® access units (process connection N) and enables flush sealing against the pipe without any dead pockets.

Design features

- Mixproof
- Flush shut-off without dead pockets
- VARIVENT® sealing principle
- Lifting function allows both valve disks to be cleaned
- VARINLINE® connection flange
- Can be equipped with the usual feedback systems

Benefits

- Enables fully automatic sampling
- Fully drainable also in horizontal position
- Small, compact and lightweight
- Bottom-flush shut-off without gaps and pockets
- Very easy to maintain
- CIP/SIP of sampling pipe is possible whilst production process in the tank



Process Equipment

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