



## Pneumatically operated 3/2-way diaphragm globe valve GEMÜ C58 iComLine

Diaphragm globe valve for ultra-pure applications in the semiconductor industry.

### Areas of application

- Changeover between process and return flow for media that are to remain in motion (e.g. slurry or gas-emitting media)
- Changeover between two pipelines (e.g. in redundant system elements)
- Supply of one pipeline from two different pipes (e.g. process and cleaning medium)

### Features

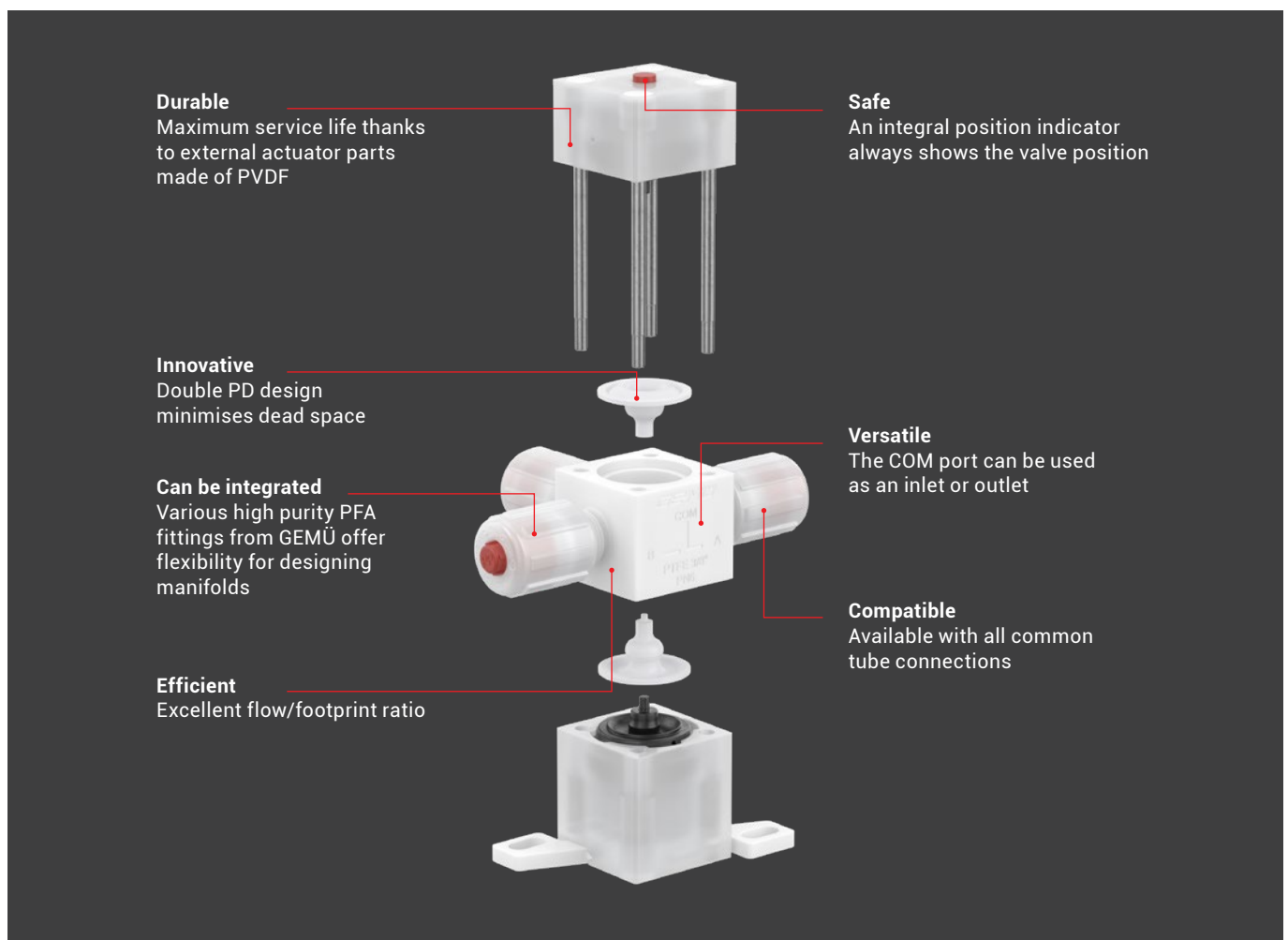
- High flow rate (Kv value) combined with a space-saving footprint
- All media wetted parts are made of high-purity and durable PTFE, for use in ultra-pure applications
- External actuator parts are made of PVDF
- Minimal dead space
- Reliable iComLine design is proven and established on the market
- Cleanroom manufacturing complies with SEMI F57

## Description

GEMÜ C58 iComLine is an ultra-pure 3/2-way process valve in order to change over between a supply and two outlets, whereby it can also be operated in the opposite flow direction. An optical position indicator always shows the position of the valve. The 3/2-way process valve is suitable for ultra-pure and corrosive media. All media wetted parts are made of pure and highly resistant PTFE. Therefore, this valve is particularly suitable for applications in the process and distribution area of a semiconductor production.

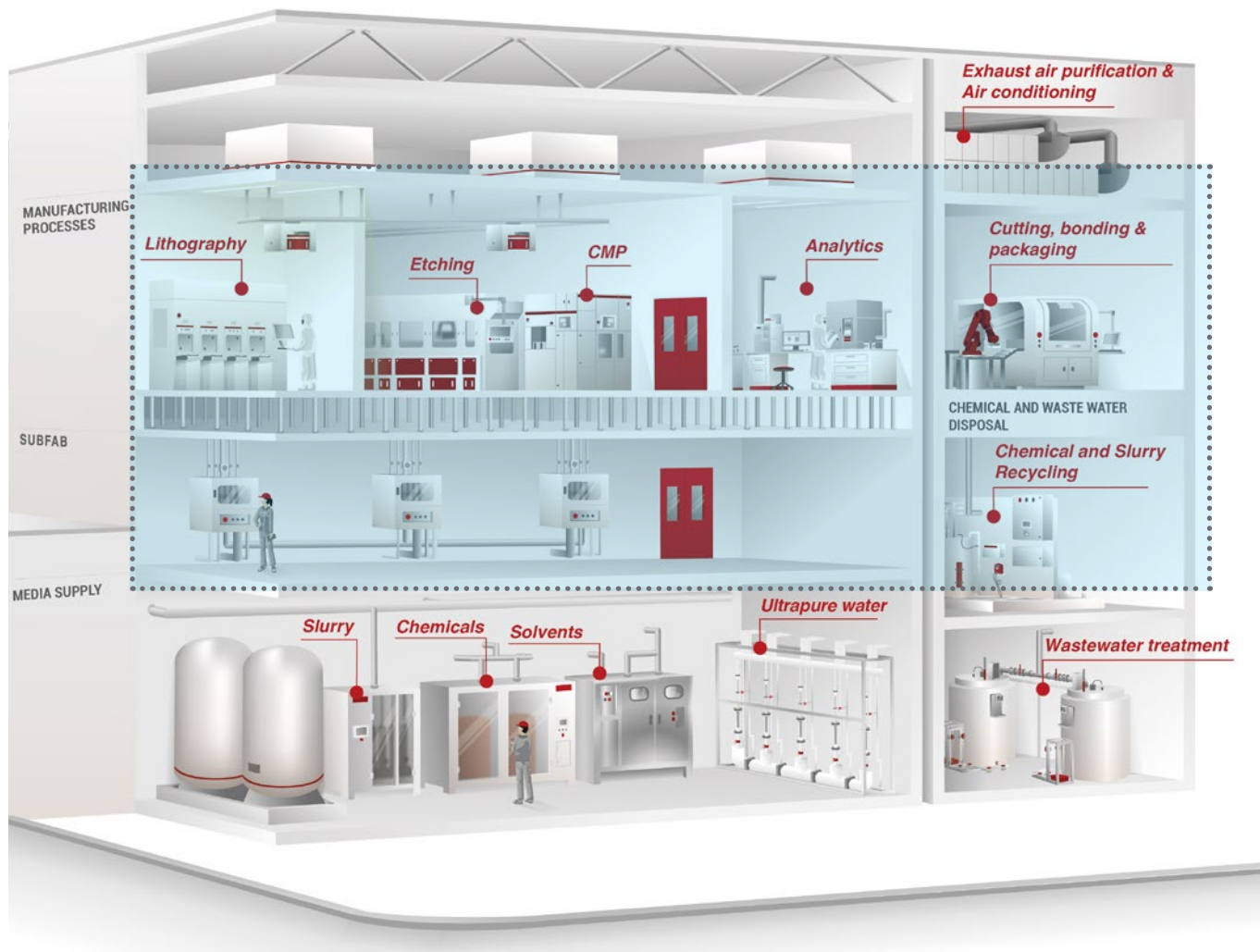
## Technical specifications

- **Media temperature:**  
-10°C – 130°C
- **Ambient temperature:**  
Max. 60°C
- **Operating pressure:**  
Max. 5,5 bar
- **Nominal sizes:**  
1/4" | 3/8" | 1/2"
- **Kv value (Flare)::**  
4,24 (1/4") | 13,8 (3/8") | 12,9 (1/2") l/min
- **Connection types:**  
Flare | PrimeLock® | Super 300 Type Pillar®
- **Body configurations:**  
Multi-port body
- **Body material:**  
PTFE



The semiconductor industry's requirements on valve designs are constantly growing. Ever-smaller structures on the microchips require fluids of maximum purity that are free of particles. To fulfill these requirements, GEMÜ customers need durable valves which are made of ultra-pure material and manufactured in cleanroom environment. The GEMÜ C58 iComLine process valve meets all of these

requirements. The excellent flow/footprint ratio and the general functionality of the GEMÜ C58 iComLine enable our customers to save precious space – particularly in the process and distribution area of a semiconductor production. The flow direction is not prescribed, which gives GEMÜ customers additional flexibility.



Alternating supply of two different outlets (e.g. two process basins).



Supply of one pipeline from two different pipes (e.g. process and cleaning medium).



Changeover between process and return flow for media that are to remain in motion (e.g. slurry or gas-emitting media).



Changeover between two pipelines (e.g. in redundant system elements).

