

Diaphragm Valve Type 604 / 605

High performance, low cost



The full-plastic diaphragm valve 604 / 605 with integrated pneumatic actuator from GF Piping Systems ensures best flow performance in compact design. With this corrosion free valve we offer an additional product with the most economic price-performance ratio which is suitable for many applications.

Easy installation and operation

- The compact design enables installation in limited spaces
- No re-torqueing needed due to full plastic design without metal parts and screws
- Radially dismountable due to true unions
- Maintenance free
- Same installation length as all GF diaphragm valves and market standard valves
- Integrated optical position feedback
- QR-Code on valve leads to online available product documents

High safety

- Uniform temperature expansion of plastic/plastic connection prevents leakages
- High chemical resistance due to large material range

High Flexibility

- Operation options: FC, FO, DA
- Diaphragms available in PTFE, FPM, EPDM for neutral and aggressive media
- Various connection options with true union or spigot version
- Available Standards: Metric, ASTM, BS, JIS
- Best quality and reliability for high number of cycles
- Long lifetime

Best flow performance

- Linear flow characteristic for simple valve control
- Optimized flow geometry with soft transitions and radii doubles the flow rate
- Suitable for media with low number of particles/solids

Applications

- Chemical Process Industry
- Dosing
- Water Treatment

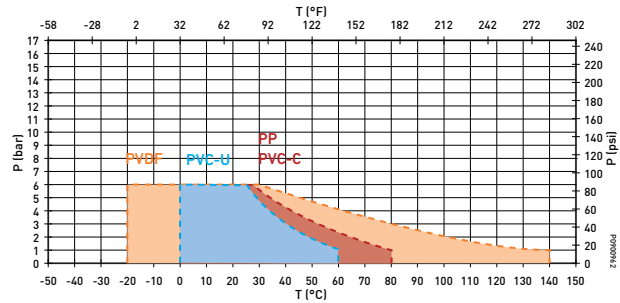


+ Technical Data

Dimension	DN 15 (1/2")
Pressure Rating	PN 6
Body	PVC-U / CPVC (Polyvinylchlorid) PP-H (Polypropylen) PVDF (Polyvinylidenfluorid) Other materials on request
Diaphragms	PTFE with EPDM Backing Diaphragm PTFE with FPM Backing Diaphragm EPDM FPM
Valve Housing	PP-GF (orange)
Connections	Type 604: Body with true union connection to match all standard GF unions and end-connections Type 605: Body with cementing resp. welding spigots Available on request: Various inserts from the GF range
Mounting	Threaded inserts for safe mounting on valve body
Flow	Double flow rate compared to a typical diaphragm valve
Standards	ISO 9393 EN 12266

Pressure-Temperature Diagram

The following Pressure-Temperature Diagram is based on a lifetime of 25 years with water or similar media.



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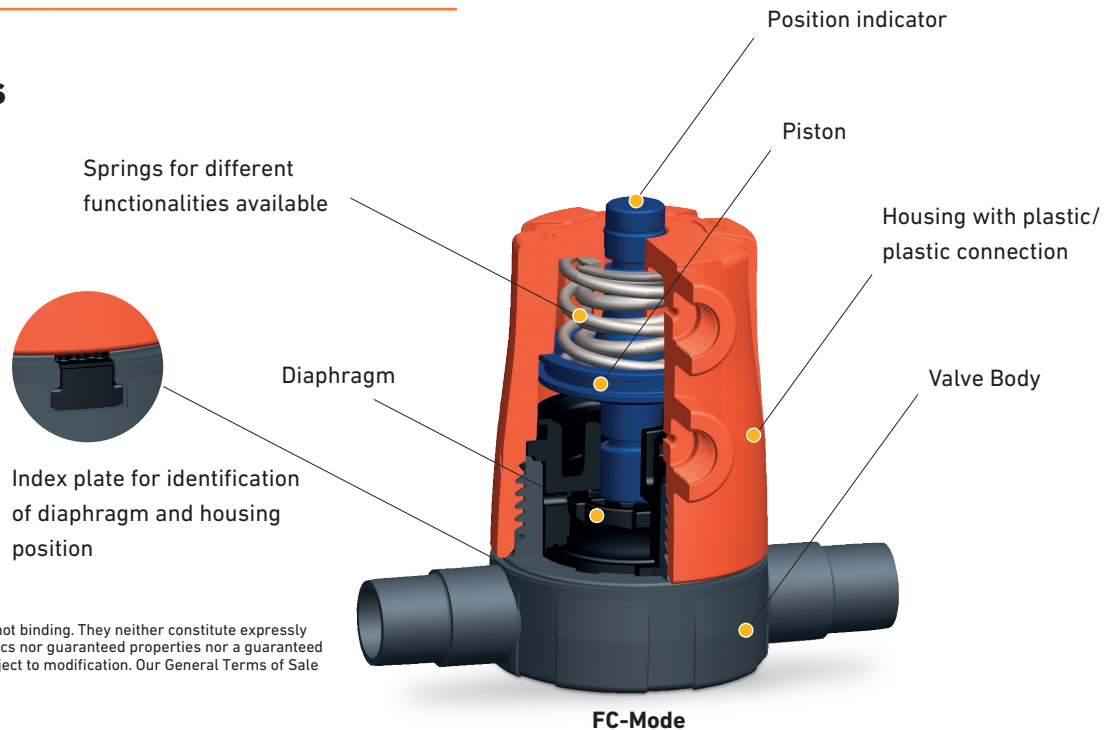
DN	d	inch	Kv 100 l/min	m ³ /h	Cv100 gpm
15	20	1/2"	125	7,5	0,55

Kv Values

KV 100 at pressure differential p = 1 bar

CV100 at pressure differential p = 1 psi

+ Features



The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

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