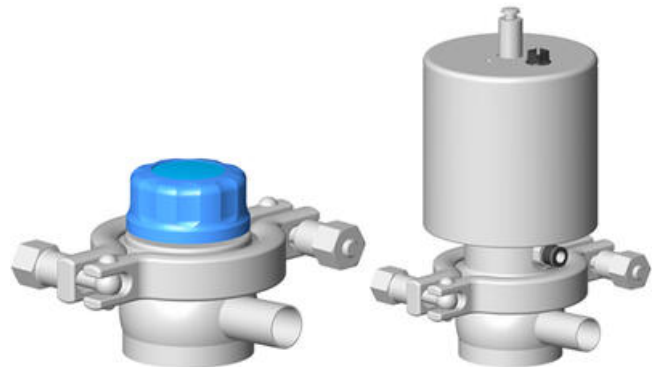


## DEFINOX - SAMPLING OUTLET DIAPHRAGM VALVE

Manual & pneumatic

DE-HD018F21100

- Simple and safe solution for sampling
- Compact pneumatic actuator
- SIP or CIP
- PTFE membrane



### PRODUCT DESCRIPTION

DMX PE

Specifications:

- DN 6/8 for DN 16/18

Materials:

- Product affected parts: 1.4404 / 316L
- Non-affected parts: 1.4301 / 304
- Handle: plastic material PBT (thermoplastic polymer polyester) or stainless steel 1.4301 / 304
- Membrane: FDA / 3A certified membrane PTFE

Connections:

- Welding, thread, union, clamp, etc.

Controls:

- Manual - DMX - Ergonomic handle with visual opening indicator

Surface:

- RA exterior = 1.2µm
- RA inside = 0.8µm, 0.4µm or 0.2µm

Fatigue resistance:

- 40,000 cycles with PTFE membrane

Cleaning:

- Wash and sterilize by circulation in the valve

DMAx PE with actuator

Specifications:

- From DN 6 to DN 16

Materials:

- Product affected parts: 1.4404 / 316L
- Non-affected parts: 1.4301 / 304
- Actuator: stainless steel 1.4301 / 304
- Membrane: FDA / 3A certified membrane PTFE

Connections:

- Welding, thread, union, clamp, etc.

Controls:

- Automatic - DMAx - Single or double acting valve actuator

Signaling Equipment:

- Point to point or AS-i control unit
- ICS-32 control top for DN 6/8
- ICS control top from DN 10

Surface:

- RA exterior = 1.2µm
- RA inside = 0.8µm, 0.4µm or 0.2µm

Actuator air supply pressure:

- Min. 5.5 bar (550 kPa) / 80 psi
- Max. 8 bar (800 kPa) / 116 psi

Fatigue resistance:

- 40,000 cycles with PTFE membrane

Cleaning:

- Wash and sterilize by circulation in the valve

#### ICS Control Top

Definox LED Controllers allow you to monitor and control your valves from a central monitoring system and provide real-time warnings for any malfunctioning conditions so that immediate action can be taken and production stops can be minimized. The Definox LED Controller is configurable bar and user-friendly and offers a host of features.

#### ACS Control Top

Definox LED Controllers allow you to monitor and control your valves from a central monitoring system and provide real-time warnings for any malfunctioning conditions so that immediate action can be taken and production stops can be minimized. The Definox LED Controller is configurable bar and user-friendly and offers a host of features.

More options for expanding Control Top:

- 24-48V AC / DC
- PNP / NPN retro data
- 1, 2 or 3 solenoid valves
- 1 or 2 inductive switch
- Linear sensor
- Linear sensor and contact on top
- Multi-cable plug-in unit (standard)
- Multi-cable plug-in unit (2 wires)
- Multitension module 24V DC
- Multitension module 24V AC - 48V AC / DC
- AS-i module 2.1: - 4 inlet / 3 outlet (3 MV)
- AS-i module 2.0: - 2 inlet / 1 outlet (1 MV old version)
- AS-i module 2.0: - 4 inlet / 3 outlet (3 MV old version)

## TECHNICAL DATA

|                                    |                       |
|------------------------------------|-----------------------|
| <b>Certificate</b>                 | 3.1 EN10204           |
| <b>Connection type</b>             | Weld ends             |
| <b>Description</b>                 | Manual plastic handle |
| <b>Design norm</b>                 | DIN                   |
| <b>Housing</b>                     | 1 x 16/18 tube        |
| <b>Inner diameter</b>              | 16 mm                 |
| <b>Material membrane</b>           | PTFE                  |
| <b>Material of body</b>            | Stainless steel 316L  |
| <b>Operating pressure max</b>      | 10 bar                |
| <b>Outer diameter</b>              | 18 mm                 |
| <b>Surface finish</b>              | RA<0,8/1,2µm          |
| <b>Temperature operational max</b> | 140 °C                |
| <b>Temperature operational min</b> | 0 °C                  |

