



## DEFINOX - DCX 3 DE LEAK-PROOF VALVE

Pneumatic

DE-DD100A34100

Seat valve DCX3 DE, X1-body, NC DN100 EPDM

- Perfect leak tightness at high temperature and good resistance to chemical products
- Excellent resistance to expansion
- Leak indicator, for leaks between gaskets
- Able to absorb excess pressure under the plug
- Quick installation and removal



### PRODUCT DESCRIPTION

Definox DCX3DE leak-proof valve

The DCXDE is a double sealing changeover valve which performs the same usual functions of a standard DCX3. It also enables a potential leak to be detected between the two isolated zones due to the chamber connected to the atmosphere. This is an alternative to mixproof leak chamber valves.

This leak-proof valve meets the strongest requirements for process technology and is the ideal solution for Food, Brewery, Cosmetics, and Pharmaceutical Processes. The seat valve design offers a wide range of options and variants.

Technical advantages:

- From DN 51 to DN 104
- PFA liquid seal, perfectly washable, ensures perfect leak tightness at high temperature and good resistance to chemical products
- Spherical body with thick walls ensures excellent resistance to expansion
- Different body configurations possible: + TL / LT / L
- Numerous connections possible: SMS - DIN - Clamp
- The plug can be supplied with an elastomer seal. This solution is recommended for applications with charged liquids.
- Pneumatic actuator- removable and easily adjustable: NO-NC-Double effect
- Independent double valve system
- Leak indicator, for leakage between gaskets
- Able to absorb excess pressure under the plug
- The valve body is machine-made in a piece of solid steel that ensures excellent resistance to mechanical and thermal damage
- Quick installation and removal
- Possible use on a wide range of applications
- Complete interchangeability of sub-components
- Easy and fast maintenance thanks to the clamp assembly.

### TECHNICAL DATA

|                        |              |
|------------------------|--------------|
| <b>Certificate</b>     | 3.1 EN10204  |
| <b>Connection type</b> | Weld ends    |
| <b>Description</b>     | EHEDG design |
| <b>Design norm</b>     | DIN          |
| <b>Housing</b>         | X1-body      |

|                        |                          |
|------------------------|--------------------------|
| Inner diameter         | 100 mm                   |
| Material controls      | Stainless steel AISI 304 |
| Material quality       | 1.4404                   |
| Material seat seal     | EPDM                     |
| Operating pressure max | 8 bar                    |
| Outer diameter         | 104 mm                   |
| Pilot pressure max     | 7 bar                    |
| Pilot pressure min     | 5.5 bar                  |
| Surface finish         | RA<0,8/1,2µm             |
| Temperature range      | -5°C/+140°C              |
| Weight                 | 37 kg                    |

