



# DELTA DET3

The DELTA DET3 double seat valve combines all the advantages of a modern mix proof valve: water hammer protection, leakage free change-over operation, as well as easy service and maintenance.

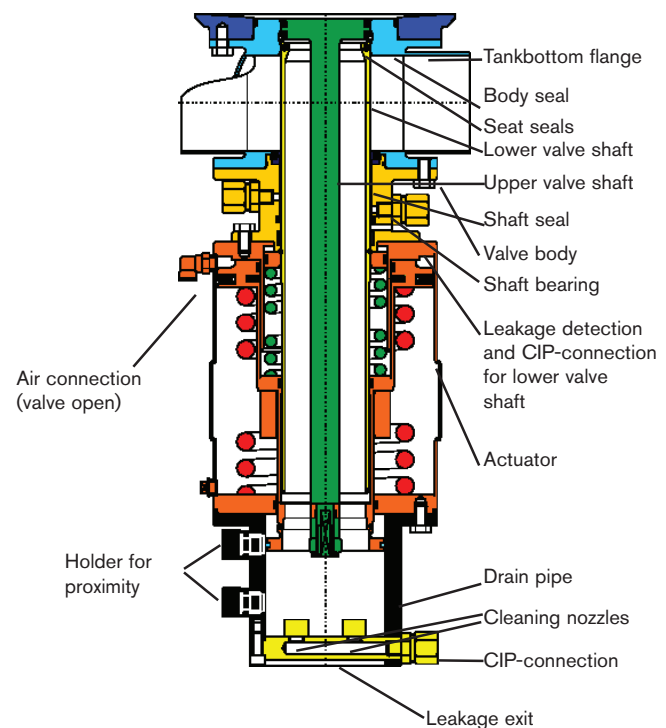
## Characteristics

The DELTA DET3 valve is designed for hygienic applications, especially in industries such as brewery, beverages, dairy as well as within the chemical and pharmaceutical industries.

## Application Range

The DELTA DET3 valve is perfect for installation into any hygienic process plant where safe separation of media from each other or from CIP fluid must be ensured. Any leakage that might occur will be safely drained off through the large leakage chamber.

Cleaning takes place during pipe cleaning or during tank cleaning. The leakage chamber is cleaned by means of the two cleaning nozzles.



## Features and Benefits

- Two independently operating valve shafts in combination with a large leakage chamber ensure 100% safe separation of incompatible fluids.
- No sump or dome, due to the smooth ball shaped valve housing design. Easy cleanability, short cleaning time and appropriate materials.
- The valve is fully balanced and safeguards operation in case of water hammer.
- When the valve closes, the residual fluid trapped between housing and spindle drains off by itself, thus rendering the valve completely leakage free. No product loss - no money loss.
- The neutral area between the two valve seats is efficiently cleaned by means of two spray nozzles.
- Clearly marked profile seal ensures perfect gap-free sealing thus the seals are easy to change.
- Compact and ergonomic design, in combination with limited over all dimensions, facilitate installation and maintenance.
- Electropolished inner surface finish Ra = 0.8 µm shorter cleaning time.
- The DELTA DET3 valve is designed to be NC (normally closed), which means that it is opened by air pressure. Proximity switches for valve position indication can be fitted at the drain pipe.
- In addition, the valve may be fitted with a DELTA CU control unit or an intelligent valve unit with Profi-bus or AS-interface communication.
- Valve inspection requires no use of compressed air and no special tools.
- Only 5 product wetted seals in total.
- The valve actuator is completely maintenance free and covered by a five-year APV guarantee.

## Technical Data

Sizes	DN40-DN100 and 1" - 4" (25-100mm)
Product wetted parts	AISI 316L
Non product wetted parts	AISI 304 and PP
Seal materials	Standard EPDM Optional FPM and HNBR All seals comply with the FDA requirements
Max. temperature	EPDM/HNBR -211 °F (-135 °C) short time 284 °F (140 °C) FPM 212 °F (100 °C) FPM not to be used in hot water
Max. line pressure	145 psig / 10 bar
Max. tank pressure	73 psig / 5 bar
Min. control air pressure	87 psig / 6 bar
Max. control air pressure	145psig / 10 bar

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Issued: 08/2008 8021-01-08-2008-US

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