



De Dietrich
PROCESS SYSTEMS

CLEANVALVE

De Dietrich Process Systems carries a range of valves that effectively control the flow of liquids, gases and slurries in reactors, tanks and other process equipment. Cleanvalve is ideal to use in any process where batch to batch cleanability is important.

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Cleanvalve, the easiest to clean and self draining bottom outlet valve.

Cleanvalve is a bottom flush valve designed for use on glass-lined, Stainless Steel or Nickel Alloy reactors / Tanks. This easy-to-operate, easy-to-clean, self-draining valve allows for a variety of functions without the need to interrupt the process and without dismantling the valve.

Characteristics

- Available sizes DN 150/100 (6"/4") - 100/80 (4"/3") - 80/50 (3"/2") - 50/32 (2"/1 ½")
- 45° or 60° outlet nozzle according to DIN 28140-1
- Max pressure 25 bar / max temperature +200°C (up to 230°C upon request)
- Material : Glass Lined / Stainless Steel / Nickel Alloy
- Manual or Pneumatic
- Axial or side actuator
- Non Fire Safe or Fire Safe



Advantages

The glass-lined steel design of the Clean Valve ensures no metal contamination of the process fluid and enables use across a wide temperature and pressure range. Cleanvalve has been designed with the most rigorous cleaning operations in mind.

- Patented flat seat to avoid collection or build-up of materials in the annular area between the valve seat and nozzle wall.
- Additional port with a 5° downward sloping angle has been built into the valve to facilitate cleaning of the internal components and body.
- Retractable spray nozzle system
- Cleanvalve is able to accommodate temperature measurement sensors, measurement electrodes at the lowest point in the vessel for a more accurate and reliable temperature

measurement.

- Lateral dismantling of the temperature probe
- All DDPS glass-lined valves are made of cast steel coated with our standard 3009 Glass enamel identical to the reactors on which they are installed. Wetted parts feature the same characteristics of all other glass-lined equipment including resistance to corrosion, thermal and mechanical shock. All other parts in contact with the process are made of fluoropolymer (PTFE, PFA).
- Cleanvalve can be fitted with lots of accessories (limit switch, solenoid valve...)
- For standard nozzle or block flange
- The same spare parts for all materials



Bottom Outlet Valve DN 150/100 with patented flat seat

Benefits

- Draining design, easy to clean and no cross contamination
- No need to dismantle the valve between batches and reduces production costs

- Easy retrofitting or installation on new reactors (even on competitors reactors)
- Safe and reliable

[Learn more about our Valve repairs and Upgrade capabilities](#)

To get a quick quote, please fill in and send us back the below request to:
marketing@dedietrich.com

CLEANVALVE

Request for Quotation

to be sent to: sales@dedietrich.com

Customer
Address
Contact
Position
Phone
E-mail
Project

Date



Operating Conditions

DN Select DN1 / DN2
Reactor / Tank operating (bar)
Valve Body Pressure (bar)
Fluid Temperature (°C)



Materials

Valve Body Select Material
Stem Select Material
Pneumatic Control Select Material

- ☐ Std (Body $\leq 0,8 \mu\text{m}$ / stem $\leq 0,4 \mu\text{m}$)
☐ Other (Specify)

Product (if known)

Product(s)
Concentration
Viscosity

Valve Operations

Type of Control Select Control
Emergency Hand Wheel Yes ☐



Type of Valve

Type of Valve Select Valve



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Questions? We are here to help.

If you'd like to talk with a sales representative about purchasing De Dietrich Process Systems's products and services, you can reach us here.



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