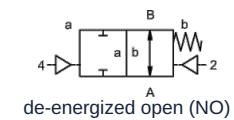
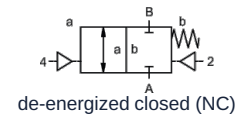


## 2/2-Way coaxial valve - pilot-operated, DN10 Series CVTEH-10



|                           |                                                                                                                                                                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type designation          | CVTEH-10, with pilot valve CVTEH-P-10                                                                                                                                                                                                                      |
| Design type               | 2/2-way coaxial valve, pilot-operated, normally closed (de-energized closed) or de-energized open                                                                                                                                                          |
| Mode of operation         | pressure-relieved, with spring return                                                                                                                                                                                                                      |
| Nominal size              | DN 10mm                                                                                                                                                                                                                                                    |
| Connection                | G3/8" ... G1/2" , Special thread on request                                                                                                                                                                                                                |
| Pressure range            | 0...200bar                                                                                                                                                                                                                                                 |
| Back pressure             | P2 > P1, available (max. 16bar)                                                                                                                                                                                                                            |
| Materials                 | optional Body Brass or Stainless steel<br>Valve seat Plastic on metal, Sealing materials PTFE, NBR, FPM<br>The material specifications of the versions refer exclusively to the valve connection parts that come into contact with the medium              |
| Media                     | gaseous - liquid - contaminated - high-viscosity - gelatinous - paste-like                                                                                                                                                                                 |
| Flow direction            | A → B, according to Marking, (Special version alternating)                                                                                                                                                                                                 |
| Mounting type             | Installation in rigid piping system, Mounting bracket on request                                                                                                                                                                                           |
| Mounting position         | any                                                                                                                                                                                                                                                        |
| Vacuum Leakage rate       | < 10 <sup>-6</sup> mbar*l*s <sup>-1</sup>                                                                                                                                                                                                                  |
| Kv value                  | 3,5m <sup>3</sup> /h                                                                                                                                                                                                                                       |
| Switching cycles          | 680/min.                                                                                                                                                                                                                                                   |
| Switching time            | on 30...3000ms, closed 50...3000ms                                                                                                                                                                                                                         |
| Cushioning                | ON/CLOSED: via throttling of the pilot valve                                                                                                                                                                                                               |
| Medium temperature        | with flange-mounted pilot valve up to +60°C (Pilot valve outside the temperature range medium temperature max. 160°C)                                                                                                                                      |
| Ambient temperature       | with flange-mounted pilot valve up to +50°C                                                                                                                                                                                                                |
| Manual emergency override | via pilot valve                                                                                                                                                                                                                                            |
| Approvals                 | on request LR/DNV/EN10204                                                                                                                                                                                                                                  |
| Weight                    | 2,6kg                                                                                                                                                                                                                                                      |
| Options                   | Vacuum tests with certificate, Limit switch inductive (Normally closed (NC) PNP- Icomatic/Balluf), Limit switch inductive NAMUR (+ Switching amplifier), modular design, Version ATEX Ex II 2G Ex h IIC T6...T3 Gb / Ex II 2D Ex h IIIC T-40°C...+195°C Db |

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Voltage type     | AC and DC voltage                                      |
| Standard voltage | 230V/50Hz, 24VDC, Permissible voltage fluctuation ±10% |





## Pilot valves and electrical connections



Pilot valve ABS56  
5/2-way valve, electropneumatic,  
G1/4,  
with exhaust air flow controls,  
p = 4...10bar



Pilot valve  
5/2-way valve NAMUR, electropneumatic,  
G1/8,  
with exhaust air flow controls,  
p = 4...10bar



electrical  
connection  
Solenoid coil M12x1



electrical connection  
Form B connector DIN EN 175301-  
803  
or rather Industrial design form

## Limit switch

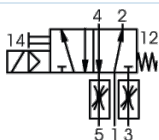


Icomatic Plastic version  
M12x1, DC 10...60V  
AC 15...250V  
-25...+85°C



Balluff Metal version  
M12x1, DC 10...30V  
-25...+70°C

## Pneumatic actuation



5/2-way Pilot valve  
Nominal flow rate 700 l/min  
Pressure range 3...10bar, G1/8"

Illustrations non-binding  
Design, dimensional and material changes reserved

Armatures / Special armatures / Coaxial valves / 2/2-way-coaxial valves Series CVTC.../CVTEH.../CVTE.../CVFE.../CVTV.../CVFV.../CVFF... / [CVTEH-10...] 2/2-way-coaxial valves CVTEH-10...

