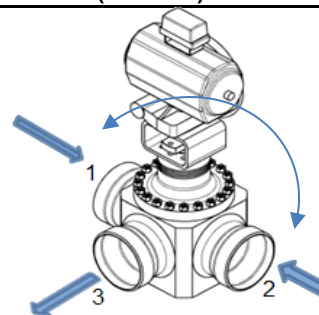


Three-Way Valve



ARTES Valve & Service GmbH
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Germany

A MEMBER OF THE ARCA FLOW GROUP

| | | | | | | | | |
|----|------------------------------------|---|---|---------------------|---------------------|-------------------------|------------|------|
| 1 | Customer: | Standardkessel Baumgarte GmbH | ARTES-Ref.: | 5504713.1 | | | | |
| 2 | Plant: | Infraserv Höchst | Pos.: | 1 | | | | |
| 3 | Service: | 3-Wege-Armaturen | Qty.: | 2 | | | | |
| 4 | TAG No.: | K7/K8 HAH50 AA010 | S/N: | 3191382.1 / .2 | | | | |
| 5 | Pipeline | | Connection 1 | Connection 2 | Connection 3 | | | |
| 6 | Dimensions | Ø D [mm] x s [mm] | 323,9 x 8 | 323,9 x 8 | 323,9 x 8 | | | |
| 7 | Material | | P235GH | P235GH | P235GH | | | |
| 8 | Weld ends | Ø D [mm] x s [mm] | 323,9 x 8 | 323,9 x 8 | 323,9 x 8 | | | |
| 9 | Flange ends | | -- | -- | -- | | | |
| 10 | Valve Design | | Connection 1 | Connection 2 | Connection 3 | | | |
| 11 | Nom. pipe size | DN / NPS | 300 | 300 | 300 | | | |
| 12 | Nom. pressure | PN / class | -- | -- | -- | | | |
| 13 | Design Pressure | [bar(g)] | 8 | 8 | 8 | | | |
| 14 | Design Temp. | [°C] | 350 | 350 | 350 | | | |
| 15 | Material | | 1.0460 | 1.0460 | 1.0460 | | | |
| 16 | Hydraulic Test Pressure | | | | | | | |
| 17 | Operational conditions | Load Case | Load Case | Load Case | Load Case | Load Case | | |
| 18 | Medium: | Dampf | 1 => 3 | 2 => 3 | 3 | 4 | | |
| 19 | Flow | [t/h] | 22 | 22 | | | | |
| 20 | Temperature | [°C] | 340 | 155 | | | | |
| 21 | p inlet | [bar(a)] | 5,00 | 5,00 | | | | |
| 22 | p outlet | [bar(a)] | 4,70 | 4,70 | | | | |
| 23 | Kvs value | [m³/h] | 979,90 | 804,75 | | | | |
| 24 | Geschw. Austritt | [m/s] | 48,96 | -- | | | | |
| 25 | | | | | | | | |
| 26 | Valve type | DWA-W (Mischer) | | | | | | |
| 27 | Material: | |  | | | Valve Parameters | | |
| 28 | | | | | | Ø seat | 175 | mm |
| 29 | Body: | 1.0460 | | | | Kvs Value: | max. 1275 | m³/h |
| 30 | Stem: | 1.4122 | | | | delta p actuator | 8 | bar |
| 31 | Plug: | 1.0460 | | | | Control characteristic: | linear | |
| 32 | | | | | | Dimensions: | 730 ±10 mm | |
| 33 | Gaskets: | Grafit | | 365 ±5 mm | | | | |
| 34 | | | | | | | | |
| 35 | | | | | | | | |
| 36 | | | | | | | | |
| 37 | Design & Tests acc. to: | Pressure Equipment Directive 2014/68/EU | | | | | | |
| 38 | | Requirements acc. to: EN 12952 | | | | | | |
| 39 | | Leakage: 1,5% of Kvs-value | | | | | | |
| 40 | | Factory Acceptance Test Certificate acc. to EN 10204-3.1 | | | | | | |
| 41 | Installation requirements: | | | | | | | |
| 42 | | | | | | | | |
| 43 | Actuator type: | elektrisch | | | | 3191384 | | |
| 44 | Model: | Drehmo DiMR 59-B3-25 mit Schwenkgetriebe GS63.3 und Antriebssteuerung | | | | | | |
| 45 | | Nennspannung 400 VAC / 50 Hz / 3ph, Stellzeit 31 Sek / 90° | | | | | | |
| 46 | | Gemäß Spezifikation "Infraserv Höchst" | | | | | | |
| 47 | | mit Matic iMC00X-XX-D5-XBA/1 | | | | | | |
| 48 | Actuator adaption: | | | | | | | |
| 49 | Remarks: | | | | | | | |
| 50 | | - Anschluss 3 (Austritt) - immer 100%-offen, Anschluss 1 & 2 (Eintritt I & II) - geregelt | | | | | | |
| 51 | | | | | | | | |
| 52 | | | | | | | | |
| 53 | | | | | | | | |
| 54 | Revision: | 0 | 1 | 2 | 3 | 4 | | |
| 55 | Date: | 25.11.2024 | 13.12.2024 | 07.01.2025 | 29.07.2025 | | | |
| 56 | Prepared: | H. Roßmann | P. Schüler | P. Schüler | P. Schüler | | | |
| 57 | Checked: | M. Bechly | R. Feldmann | R. Feldmann | R. Feldmann | | | |