

### 3 WAY THREADED SEAT VALVES (-10 ... 120 °C)

## VOBG 3..

#### APPLICATION

Regulation in systems with hot water at max 120°C or cooled to min 2°C (max glycol 50%).

#### Features

#### TECHNICAL DATA

- Valve body : Rg5 bronze
- Stem : steel
- Shutter : steel
- Joints : with ISO 228/1 female threaded mouths
- Regulation feature : straight way = equipercantage, angle way = linear
- Regulation range : DN 15 = 50 : 1 , DN 20÷50 = 100 : 1
- Internal leakage : straight way  $\leq 0.05\%$  Kvs ; PH fluid : 7 ÷ 10

| Code            | DN<br>body<br>mm | DN<br>linkage<br>valve | DN<br>linkage<br>pipes | Kvs <sup>(1)</sup><br>m <sup>3</sup> /h | Run<br>mm. | Suitable actuators         |                    |                             |                    | Data<br>Sheet |
|-----------------|------------------|------------------------|------------------------|---|------------|----------------------------|--------------------|-----------------------------|--------------------|---------------|
|                 |                  |                        |                        |   |            | CLNV ...<br>3,75/7,5 s./mm |                    | CLNF U ... (4)<br>7,5 s./mm |                    |               |
|                 |                  | male                   | female                 |   |            | bar <sup>(2)</sup>         | sec <sup>(3)</sup> | bar <sup>(2)</sup>          | sec <sup>(3)</sup> |               |
| <b>VOBG 311</b> | 15               | 1"1/8                  | 1/2"                   | 0,63                                    | 15         | 4                          | 56/112             | 4                           | 112                | M 984         |
| <b>VOBG 312</b> | 15               | 1"1/8                  | 1/2"                   | 1,0                                     | 15         | 4                          | 56/112             | 4                           | 112                | M 984         |
| <b>VOBG 313</b> | 15               | 1"1/8                  | 1/2"                   | 1,6                                     | 15         | 4                          | 56/112             | 4                           | 112                | M 984         |
| <b>VOBG 314</b> | 15               | 1"1/8                  | 1/2"                   | 2,5                                     | 15         | 4                          | 56/112             | 4                           | 112                | M 984         |
| <b>VOBG 315</b> | 15               | 1"1/8                  | 1/2"                   | 4,0                                     | 15         | 4                          | 56/112             | 4                           | 112                | M 984         |
| <b>VOBG 320</b> | 20               | 1"1/4                  | 3/4"                   | 6,3                                     | 15         | 4                          | 56/112             | 4                           | 112                | M 984         |
| <b>VOBG 325</b> | 25               | 1"1/2                  | 1"                     | 10                                      | 15         | 4                          | 56/112             | 4                           | 112                | M 984         |
| <b>VOBG 332</b> | 32               | 2"                     | 1"1/4                  | 16                                      | 15         | 4                          | 56/112             | 4                           | 112                | M 984         |
| <b>VOBG 340</b> | 40               | 2"1/4                  | 1"1/2                  | 25                                      | 15         | 4                          | 56/112             | 4                           | 112                | M 984         |
| <b>VOBG 350</b> | 50               | 2"3/4                  | 2"                     | 40                                      | 15         | 3,5                        | 56/112             | 2,8                         | 112                | M 984         |

(1) : Kvs - Flow coefficient: Flow in m<sup>3</sup>/h with valve open and pressure drop of.

100 kPa = 10 mCA = 1 bar

(2) : bar - Maximum pressure differential  $\Delta p$  max. permitted by actuator.

(3) : sec - Time (seconds) necessary for actuator to make the whole valve run.

(4) : actuator with emergency closure