

## BELLOWS SEALED STOP VALVES VF20

### DESCRIPTION

The ADCA VF20 is a series of maintenance free inline stop valves designed with double wall bellow sealing, secondary safety packing and non-rising handwheel. They are specially recommended for steam, gas, liquid, condensate, thermal oil and water applications.

### MAIN FEATURES

Maintenance free design.  
High durability sealing via double wall bellows.  
Secondary safety packing.  
Non-rising handwheel.  
External stem thread.

OPTIONS:               Parabolic plug for throttling applications.  
                              PTFE soft sealing for applications up to 180 °C.

USE:                    Group 2 fluids compatible with the construction.

AVAILABLE  
MODELS:               VF20 – cast iron.

SIZES:                 DN 15 to DN 200.

CONNECTIONS:       Flanged EN 1092-2 PN 16.  
                             Others on request.

INSTALLATION:       See IMI – Installation and maintenance instructions.



#### CE MARKING – GROUP 2 (PED – European Directive)

| PN 16        | Category      |
|--------------|---------------|
| DN 15 to 50  | SEP           |
| DN 65 to 200 | 1 (CE marked) |

#### BODY LIMITING CONDITIONS \*

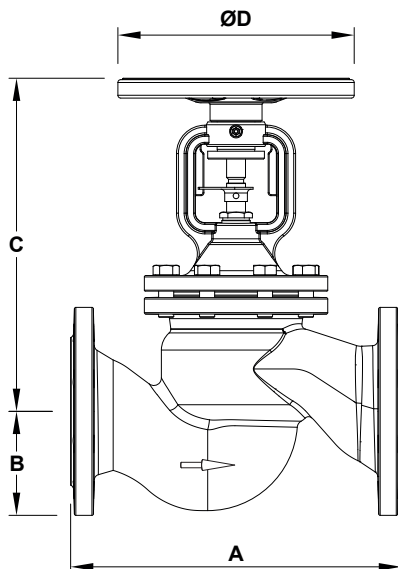
| ALLOWABLE PRESSURE | RELATED TEMPERATURE |
|--------------------|---------------------|
| 16 bar             | -10 / 120 °C        |
| 12,8 bar           | 200 °C              |
| 11,2 bar           | 250 °C              |
| 9,6 bar            | 300 °C              |

\* Warning: The eventual use with steam/gas should be analyzed in accordance with the local applicable legislation, and always ensuring that there is no risk of water hammer.

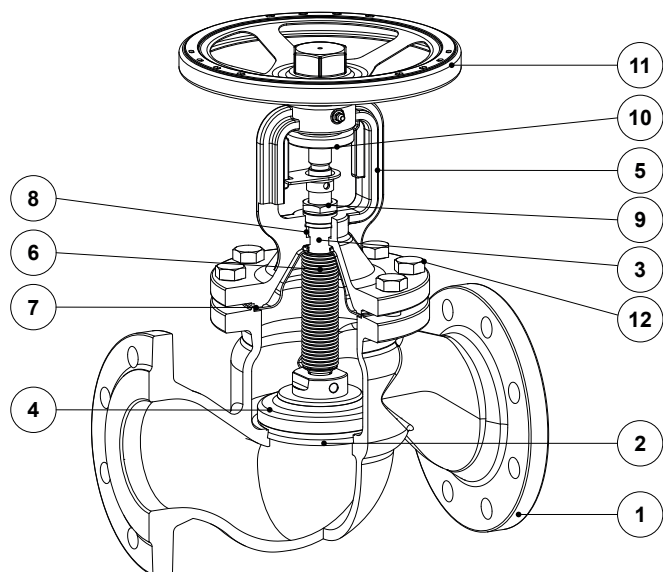
#### FLOW RATE COEFFICIENTS (m³/h)

| SIZE | DN 15 | DN 20 | DN 25 | DN 32 | DN 40 | DN 50 | DN 65 | DN 80 | DN 100 | DN 125 | DN 150 | DN 200 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| Kvs  | 5,9   | 7,4   | 13    | 18    | 30    | 41    | 79    | 115   | 181    | 225    | 364    | 725    |

For conversion Kvs = Cv (US) x 0,855.



| DIMENSIONS (mm) |     |       |     |     |             |
|-----------------|-----|-------|-----|-----|-------------|
| SIZE            | A   | B     | C   | ØD  | WEIGHT (kg) |
| DN 15           | 130 | 47,5  | 178 | 125 | 3,2         |
| DN 20           | 150 | 52,5  | 178 | 125 | 3,9         |
| DN 25           | 160 | 57,5  | 193 | 125 | 4,6         |
| DN 32           | 180 | 70    | 201 | 125 | 6,5         |
| DN 40           | 200 | 75    | 224 | 150 | 9           |
| DN 50           | 230 | 82,5  | 228 | 150 | 11          |
| DN 65           | 290 | 92,5  | 270 | 175 | 15,8        |
| DN 80           | 310 | 100   | 295 | 200 | 20,5        |
| DN 100          | 350 | 110   | 352 | 250 | 35          |
| DN 125          | 400 | 125   | 380 | 300 | 49          |
| DN 150          | 480 | 142,5 | 427 | 400 | 76          |
| DN 200          | 600 | 170   | 569 | 500 | 130,5       |



| MATERIALS |                    |                            |
|-----------|--------------------|----------------------------|
| POS. N°   | DESIGNATION        | MATERIAL                   |
| 1         | Body               | EN-GJL-250                 |
| 2         | Seat               | Stainless steel            |
| 3         | * Spindle          | Stainless steel            |
| 4         | * Disc             | Stainless steel            |
| 5         | Bonnet             | EN-GJS-400-18-LT           |
| 6         | * Bellows          | Stainless steel            |
| 7         | * Gasket           | Stainless steel / Graphite |
| 8         | * Packing          | Carbo-graphite             |
| 9         | Gland nut          | Zinc plated steel          |
| 10        | Anti-friction disc | Zinc plated steel          |
| 11        | Handwheel          | Steel                      |
| 12        | Bolt               | Steel 8.8                  |

\* Available spare parts.