

# Gunmetal Wafer type valves

To order: Choose body size, flow rate and control rubber.

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## Specifications – standard valve bodies

Designed for mounting between ISO 7005 PN10 pipe flanges.

| Valve Body Sizes | Flow Rate Availability<br>See all Available Flow Rates below* |     |          |            |
|------------------|---------------------------------------------------------------|-----|----------|------------|
| <b>DN50</b>      | 15                                                            | 16  | 18.....  | 342 L/min  |
| <b>DN65</b>      | 15                                                            | 16  | 18.....  | 456 L/min  |
| <b>DN80</b>      | 15                                                            | 16  | 18.....  | 699 L/min  |
| <b>DN100</b>     | 15                                                            | 16  | 18.....  | 1279 L/min |
| <b>DN150</b>     | 15                                                            | 16  | 18.....  | 2320 L/min |
| <b>DN200</b>     | 114                                                           | 125 | 138..... | 4427 L/min |
| <b>DN250</b>     | 114                                                           | 125 | 138..... | 6058 L/min |
| <b>DN300</b>     | 114                                                           | 125 | 138..... | 8854 L/min |



## Dimensions (mm) & Weights (kg) (standard is according to ISO 7005 PN10)

| Nominal size | DN50 | DN65 | DN80 | DN100 | DN150 | DN200 | DN250 | DN300 |
|--------------|------|------|------|-------|-------|-------|-------|-------|
| Diameter     | 109  | 129  | 144  | 164   | 220   | 275   | 330   | 380   |
| Thickness    | 22   | 22   | 22   | 24    | 28    | 35    | 40    | 50    |
| Weight       | 1.2  | 1.3  | 1.9  | 3.1   | 7     | 13    | 25    | 45    |

## Flow rates and other specifications

**Performance** Unless otherwise specified, standard Nitrile "Precision" type control rubbers are fitted giving the valve the following **standard performance**; (If the standard Precision control rubber is unsuitable for your application, refer to the full range of control rubber types on p.24).

*Pressure Differential Range:* 1.4 – 10 bar

*Flow Rate Accuracy:* +/- 10%

### \*Available Flow Rates L/min:

|      |     |      |     |      |     |      |     |      |                    |     |     |
|------|-----|------|-----|------|-----|------|-----|------|--------------------|-----|-----|
| 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 | 0.55 | 0.63               | 0.7 | 0.8 |
| 0.9  | 1   | 1.1  | 1.2 | 1.3  | 1.5 | 1.6  | 1.8 | 2    | 2.3                | 2.5 | 2.8 |
| 3.2  | 3.5 | 4    | 4.5 | 5    | 5.5 | 6.3  | 7   | 8    | 9                  |     |     |
| 10   | 11  | 12   | 13  | 15   | 16  | 18   | 20  | 23   |                    |     |     |
| 25   | 28  | 32   | 36  | 41   | 45  | 49   | 54  | 59   |                    |     |     |
| 66   | 73  | 82   | 91  | 102  | 114 |      |     |      |                    |     |     |
| 125  | 138 | 150  | 162 | 180  | 199 | 216  | 233 |      | ► up to 8854 L/min |     |     |

|                  |                 |                                                                |
|------------------|-----------------|----------------------------------------------------------------|
| <b>Materials</b> | Valve Body      | LG2 or LG4 to BS1400                                           |
|                  | Sealing O'Rings | Nitrile, potable water approved or EPDM or Viton if applicable |

|                             |                                                                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flange Specification</b> | Wafers are normally used to accommodate larger flow rates. Wafers are designed to be mounted between pipe flanges. Please specify DN and pressure class PN when ordering. As standard wafers are manufactured according to ISO 7005 PN10. Other standards such as ANSI are optional. |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| <b>Max Pressure Differential</b>  | 15 bar or limited by Control Rubber type           |
| <b>Max Hydrostatic Pressure</b>   | 60 bar                                             |
| <b>Max Temperature</b>            | 60 °C for Nitrile control rubbers, 100 °C for EPDM |
| <b>Compatible Control Rubbers</b> | P, LP, HP1, E, V (consult page 24)                 |

Consult page 27 for specifying article code.

