

# Hygate A

## Gate Valve with Flanges PN 16

### DN 40...300



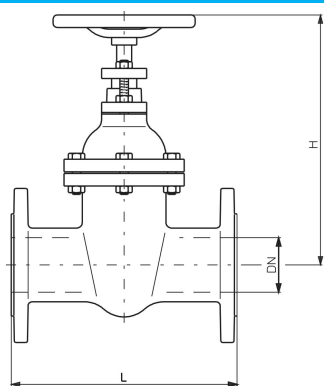
## Technical Data

|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| Nominal sizes         | DN 40...300                                                                                                         |
| Variants              | With flanges according to EN 1092-2 PN 16, lengths according to DIN EN 588 part 1, basic series 15                  |
| Operating temperature | -10...+120 °C                                                                                                       |
| Operating pressure    | PN 16                                                                                                               |
| Medium                | Heating and cooling water according to VDI 2035 or ÖNORM 5195<br>Water-glycol mixtures with max. 50% glycol content |
| Kvs values            | 107...6380                                                                                                          |

## Materials

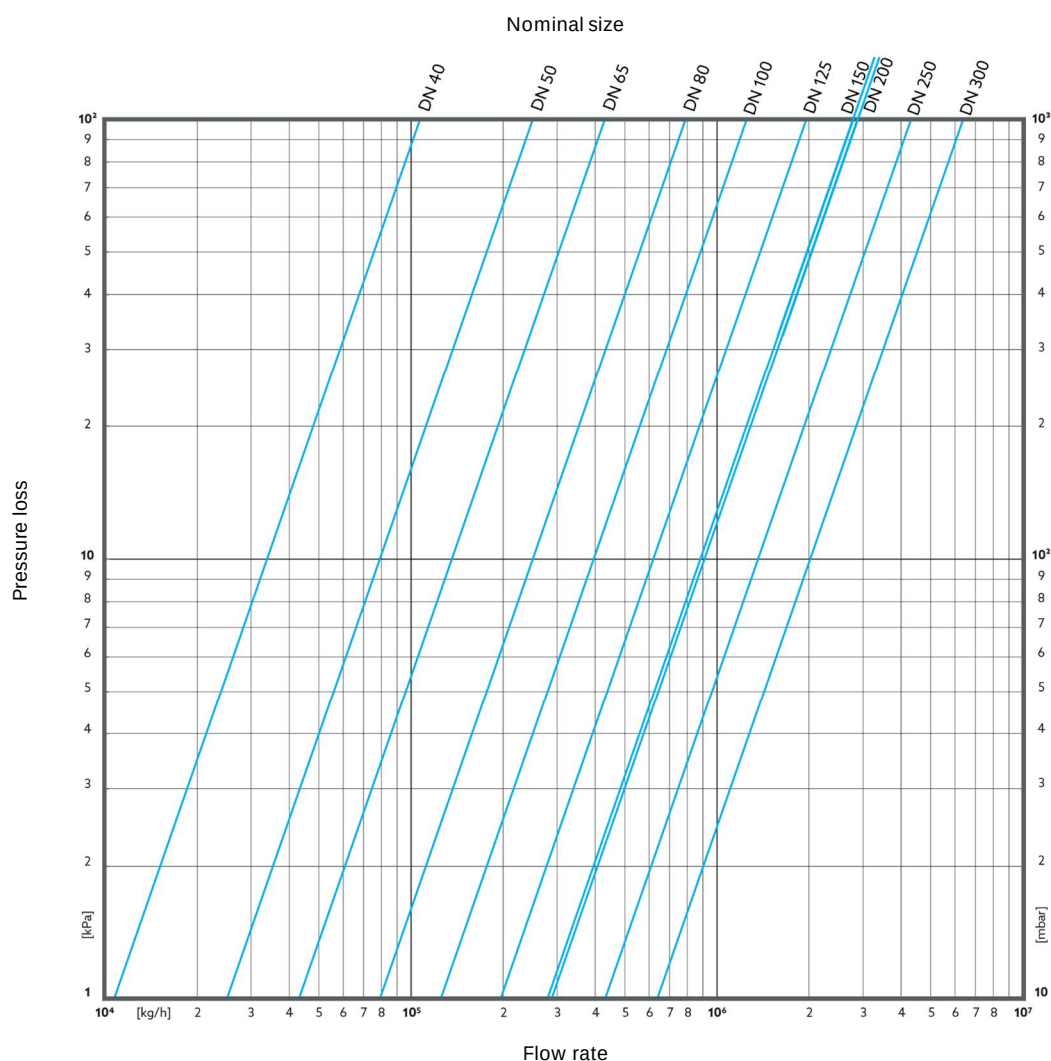
| Component                           | Material                                          |
|-------------------------------------|---------------------------------------------------|
| Handwheel assembly                  | Steel                                             |
| Body, bonnet, stuffing box assembly | Cast iron EN-GJL-250 according to EN 1561 (GG-25) |
| Stuffing box packing                | Teflon-impregnated, asbestos-free                 |
| Spindle, valve seat                 | Brass                                             |

## Dimensions and Item Numbers



| DN  | Kvs  | L<br>[mm] | H<br>[mm] | Weight<br>[kg] | Item no. |
|-----|------|-----------|-----------|----------------|----------|
| 40  | 107  | 240       | 230       | 10             | 1045049  |
| 50  | 250  | 250       | 265       | 13             | 1045050  |
| 65  | 430  | 270       | 300       | 17             | 1045051  |
| 80  | 790  | 280       | 340       | 24             | 1045052  |
| 100 | 1250 | 300       | 370       | 31             | 1045053  |
| 125 | 1960 | 325       | 415       | 41             | 1045054  |
| 150 | 2790 | 350       | 460       | 55             | 1045055  |
| 200 | 2880 | 400       | 555       | 89             | 1045056  |
| 250 | 4306 | 450       | 665       | 140            | 1045057  |
| 300 | 6380 | 500       | 730       | 180            | 1045058  |

## Flow chart



### Kvs values

| Nominal size | Kvs value |
|--------------|-----------|
| DN 40        | 107       |
| DN 50        | 250       |
| DN 65        | 430       |
| DN 80        | 790       |
| DN 100       | 1250      |
| DN 125       | 1960      |
| DN 150       | 2790      |
| DN 200       | 2880      |
| DN 250       | 4306      |
| DN 300       | 6380      |

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