

# REJECT VALVES

## AEQP/G

LOHSE®

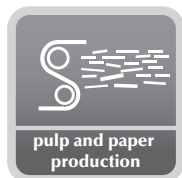


PA Ventiler AB

GO WITH OUR FLOW



## Applications



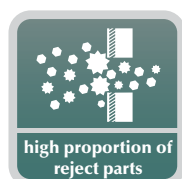
### General usage

- media with reject fraction (e.g. nails and staples)
- coarse-grained media
- granulates
- powders
- temperature range to 80 °C
- see table for permitted operating pressure

### Locations

- extraction devices for heavy soiling applications
- dumping and emptying devices for heavy soiling applications
- cleaning machines

## Media



## Accessories

### On the inlet side:

stainless steel intermediate flange, allows connection to round DIN EN 1092-1, PN 10 pipes or to locks (approx. 20 mm thick, drilled for both flange patterns)

### On the outlet side:

stainless steel adapter, square to round, allows outlet to be continued on round DIN EN 1092-1, PN 10 pipes

### Options:

- holding parts and switching sensors for limit switches, suitable for all common types of limit switch
- solenoid valve attached directly to the pneumatic cylinder
- housing and valve plate in other materials (as required by customer)

## Features

### Rectangular model

- free passage when opened
- the outlet is larger than the inlet, allowing unwanted materials to fall out freely
- braking of a rotation in progress

### Valve plate

- highly wear-resistant version made from hardened stainless steel
- prepared so that switch sensors may be connected for limit position monitoring

### Valve plate guide

- the guides in the front third are shortened, i.e. the valve plate guarantees a clearance
- replaceable sliding rails made from bronze

### Sealing frame

- protects the sliding plate and sliding plate guide
- low-wear, material: SBR
- plug-in connection system makes replacement easy
- 2-in-1 system:
  1. flow seal
  2. flange seal (no additional flange seal required)

### Watertight

- Leak test according to DIN EN 12266-02:2012-04 Table A5, test medium liquid, leakage rate A

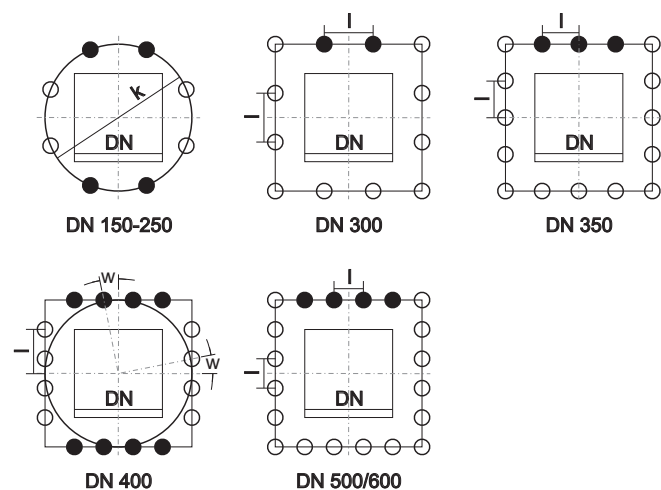
## Materials

- housing EN-GJL-250 (GG 25)  
or  
1.4571
- valve plate 1.4571 hardened
- sealing frame SBR
- slide borders CuAl10Ni5Fe4
- packing assembly Arostat / EPDM
- bracket 1.4301
- max. operating pressure
 

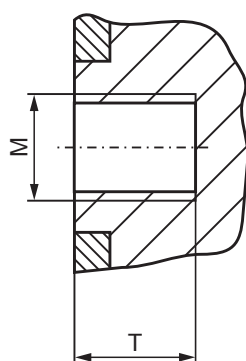
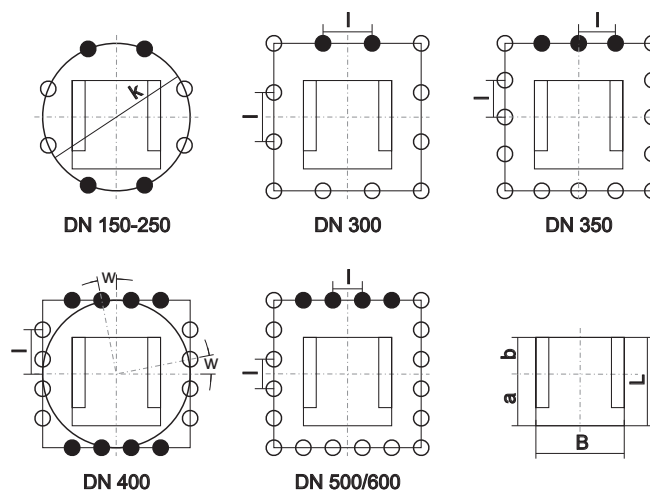
|              |       |
|--------------|-------|
| DN 50 – 250  | 8 bar |
| DN 300       | 4 bar |
| DN 350 – 600 | 2 bar |
- max. operating temperature 80° C

## Flange bores for LOHSE AEQ-valves with metric thread according to LOHSE standard

### Inlet site



### Outlet site

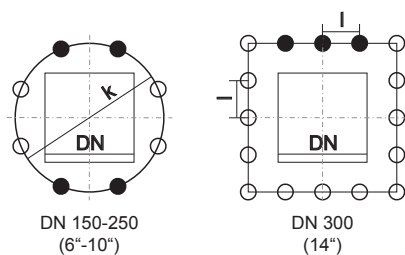


Z = total number of holes  
 Z1 = number of joint-holes  
 Z2 = number of through-going bores  
 T = usable depth of thread

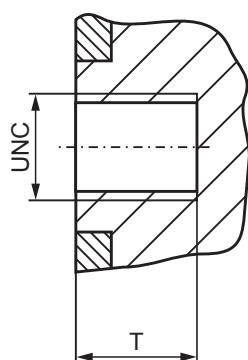
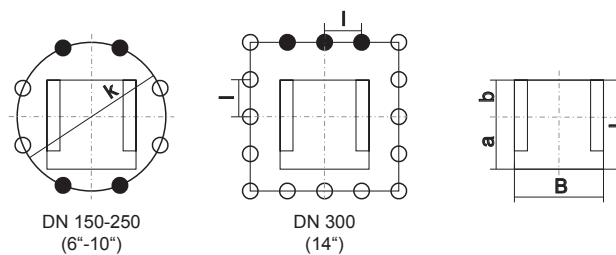
| DN [mm] | K [mm] | Z  | M   | T [mm] | Z1 | Z2 | l [mm] | w [°] | L [mm] | B [mm] | a [mm] | b [mm] |
|---------|--------|----|-----|--------|----|----|--------|-------|--------|--------|--------|--------|
| 150     | 150    | 8  | M20 | 18     | 4  | 4  |        |       | 156    | 167    | 83     | 73     |
| 200     | 200    | 8  | M20 | 20     | 4  | 4  |        |       | 211    | 222    | 111    | 100    |
| 250     | 350    | 8  | M20 | 22     | 4  | 4  |        |       | 260    | 270    | 135    | 125    |
| 300     |        | 12 | M20 | 24     | 2  | 10 | 129    |       | 317    | 335    | 167    | 150    |
| 350     |        | 16 | M20 | 26     | 3  | 13 | 110    |       | 367    | 385    | 192    | 175    |
| 400     | 515    | 16 | M24 | 24     | 8  | 8  | 170    | 11,25 | 418    | 437    | 218    | 200    |
| 500     |        | 20 | M24 | 34     | 4  | 16 | 121    |       | 520    | 540    | 270    | 250    |
| 600     |        | 20 | M27 | 35     | 4  | 16 | 143    |       | 620    | 640    | 320    | 300    |

## Flange bores for LOHSE AEQ-valves with UNC thread according LOHSE standard

### Inlet side



### Outlet side

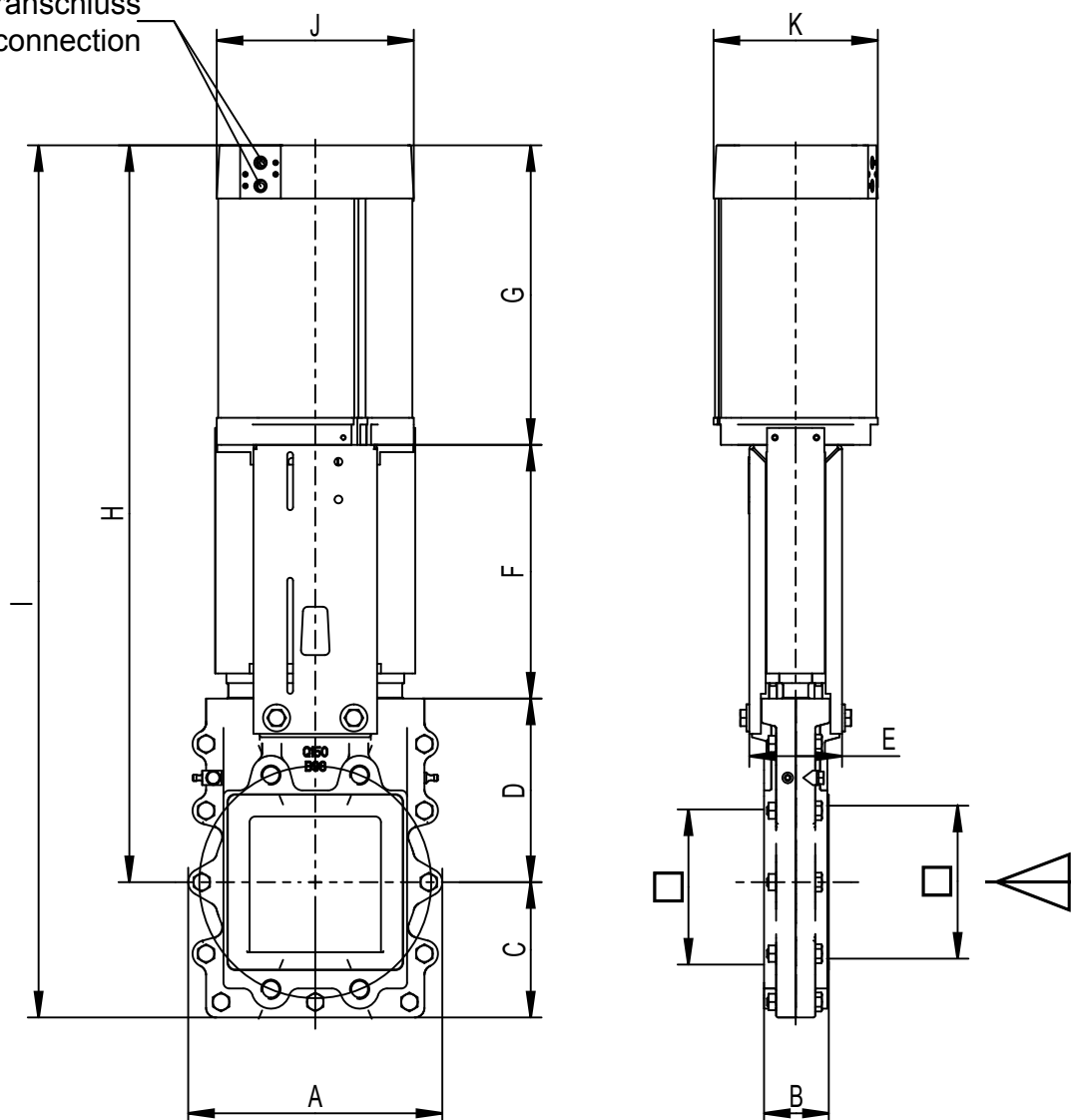


Z = total number of holes  
 Z1 = number of joint-holes  
 Z2 = number of through-going bores  
 T = usable depth of thread

| DN<br>[mm] | K<br>[inch] | Z  | UNC<br>[inch] | T<br>[inch] | Z1 | Z2 | l<br>[inch] | w<br>[°] | L<br>[mm] | B<br>[mm] | a<br>[mm] | b<br>[mm] |
|------------|-------------|----|---------------|-------------|----|----|-------------|----------|-----------|-----------|-----------|-----------|
| 150        | 9 1/2       | 8  | 3/4           | 11/16       | 4  | 4  |             |          | 156       | 167       | 83        | 73        |
| 200        | 11 3/4      | 8  | 3/4           | 3/4         | 4  | 4  |             |          | 211       | 222       | 111       | 100       |
| 250        | 14 1/4      | 8  | 7/8           | 7/8         | 4  | 4  |             |          | 260       | 270       | 135       | 125       |
| 300        |             | 16 | 1             | 1           | 3  | 13 | 4 5/16      |          | 317       | 335       | 167       | 150       |

Reject-valve  
square in- and outlet  
pneumatic cylinder and protection guard  
Housing EN-GJL-250 or stainless steel

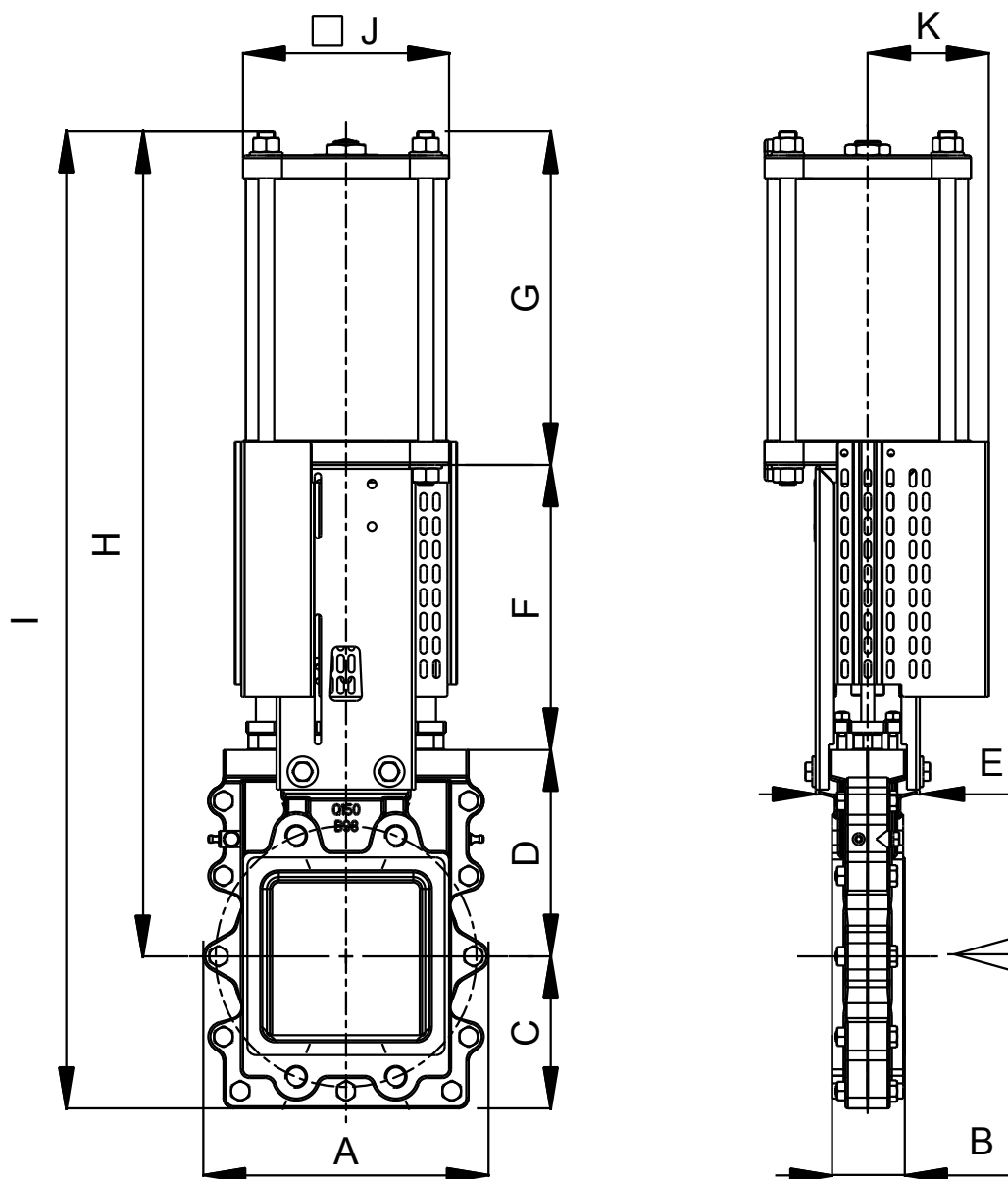
Steueranschluss  
air connection



| DN  | BD<br>[bar] | A   | B  | C   | D   | E   | F   | G   | H    | I    | J   | K   | cyl Ø | air connection | weight ~[kg] |                 |
|-----|-------------|-----|----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|----------------|--------------|-----------------|
|     |             |     |    |     |     |     |     |     |      |      |     |     |       |                | EN-GJL-250   | stainless steel |
| 150 | 8           | 263 | 67 | 140 | 190 | 96  | 263 | 310 | 763  | 903  | 204 | 170 | 160   | G 1/4"         | 43.4         | 45.4            |
| 200 | 8           | 360 | 72 | 180 | 260 | 120 | 310 | 360 | 930  | 1110 | 204 | 170 | 160   | G 1/4"         | 79.5         | 64.5            |
| 250 | 8           | 390 | 81 | 195 | 270 | 120 | 362 | 433 | 1065 | 1260 | 244 | 211 | 200   | G 1/2"         | 88           | 87              |
| 300 | 4           | 470 | 81 | 235 | 340 | 120 | 419 | 515 | 1274 | 1509 | 242 | 283 | 230   | G 1/2"         | 140          | 140             |
| 350 | 2           | 510 | 92 | 260 | 365 | 160 | 509 | 575 | 1449 | 1709 | 242 | 283 | 230   | G 1/2"         | 214          | 214             |

Dimensions in mm, flange bores on request; air connection acc. VDI/VDE 3845 (NAMUR).  
Further sizes on request.

Reject-valve  
square in- and outlet  
pneumatic cylinder and protection guard  
Housing EN-GJL-250 or stainless steel



| DN  | BD<br>[bar] | A   | B   | C   | D   | E   | F   | G   | H    | I    | J   | K   | cyl Ø | air con-<br>nection | weight ~[kg]   |                    |
|-----|-------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|---------------------|----------------|--------------------|
|     |             |     |     |     |     |     |     |     |      |      |     |     |       |                     | EN-<br>GJL-250 | stainless<br>steel |
| 400 | 2           | 570 | 92  | 285 | 410 | 160 | 608 | 621 | 1639 | 1924 | 318 | 318 | 300   | G 1/2"              | 243            | 250                |
| 500 | 2           | 690 | 112 | 345 | 510 | 182 | 735 | 721 | 1966 | 2311 | 318 | 318 | 300   | G 1/2"              | 397            | 408                |
| 600 | 2           | 770 | 111 | 400 | 570 | 161 | 850 | 889 | 2309 | 2709 | 425 | 425 | 400   | G 3/4"              | 572            | 572                |

Dimensions in mm, flange bores on request.  
Further sizes on request.