

APPLICATION:

For observation of filling and flow in pipelines. This sight glass allows reliable monitoring of the function and performance of individual equipment as well as entire installations.

The Type 586 sealing is designed to allow the full operating pressure of each sight glass plate to be maintained in the event of glass breakage. **Due to the safety double glazing, this is a genuine safety design.**

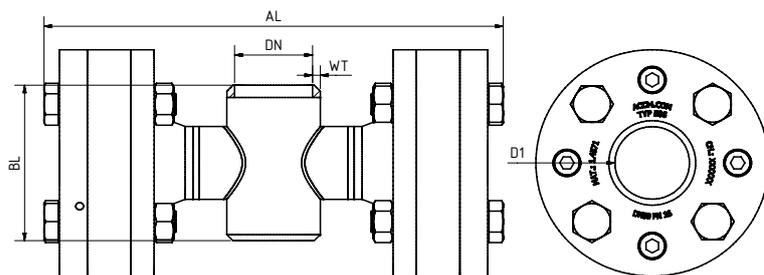
INSTALLATION NOTE:

After the base body has been welded in, check whether the sealing surfaces have warped! If necessary, rework must be performed! For the welding process it is advisable to weld in the sight glass in the disassembled state or use low heat exposure. In case of non-compliance, the glasses can be damaged. Note the torques required for assembly!

Safety double glazing with welding ends
($\Delta P \leq 10 / 16 / 25$ bar)

Operating conditions:

| | |
|---|------------------------------|
| Temperature: (depending on glass and gasket) | 150°C 200 °C ¹ |
| Pressure: | ≤ 10 to 25 Bar |
| higher on request | |



Materials:

| | |
|------------------------------|---|
| Body: | 1.4571; 1.4539; 1.4404 |
| Glass: | Borosilicate glass DIN 7080 Soda lime glass DIN 8902 Quartz glass Mica |
| Gasket: | PTFE enclosed resilient gasket |
| Screws: | A4-70 |
| Special materials on request | |

| DN | 50 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
|---|----------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|
| BL | on request or special dimensions | | | | | | | | | |
| WT | matching DN and pressure stage | | | | | | | | | |
| D1 | 48 | 65 | 80 | 100 | 125 | 125 | 150 | 150 | 150 | 150 |
| AL | on request or special dimensions | | | | | | | | | |
| ¹ limited by gasket | | | | | | | | | | |
| Dimensions correspond to PN 16, other pressure ratings may vary | | | | | | | | | | |
| Other sizes and flange standards on request | | | | | | | | | | |



Flow sight glass PN 10 to PN 25

Safety double glazing in force shunt, welding ends

Type 586

PRODUCTCODE:

| Group | TYPE | DN | PN | Body* | Glass | Gasket | Variant |
|-------|------|--|--|--|--|------------------------------|--------------------------------|
| 11 | 586 | 1: 50 2: 80 3: 100 4: 125 5: 150 6: 200 7: 250 8: 300 9: 350 10: 400 11: Special | 0: 10 1: 16 2: 25 5: Special | 1: 1.4571 2: 1.4404 3: 1.4539 4: Special | 1: Borosilicate glass (Boro) DIN 7080 2: Soda lime glass (NKG) DIN 8902 3: Quarzglas 4: Boro + Glimmer 6: META®-Glas | 1: PTFE 8: Special | Assigned by ACI if required |

INFO: Unless otherwise stated, the factory standard highlighted is supplied.

* Cover flanges made of body material or according to quotation / order confirmation

SPECIAL DESIGNS/OPTIONS:

- a) Single glazing force shunt (Type 581)
- b) Mica protection
- (c) FEP protective screen
- d) LED or halogen lights, ATEX-certified, EX
- e) Additional options on request

EXAMPLE:

11-586-10-1-1-1-1-00 equals the product code:

ACI Type 586
DN400
PN16
body 1.4571
borosilicate glass
gasket PTFE
standard version

RECOMMENDATION:

For aggressive media or steam, mica discs should be used to protect the glass.

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Technical changes and errors reserved!