

# Flow sight glass type 550S PN 10/40 With welding ends

## **Type 550S**







Flow sight glass with welding connections

## **USAGE**

Flow sight glasses of type 550S are used to observe filling levels and flow in pipelines.

They enable reliable monitoring of the function and performance of individual devices as well as complete systems.

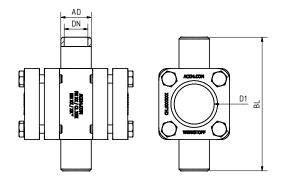
| Operating conditions:                              |  |
|--|--|
| Temperature:<br>(depending on glass and<br>gasket) | 150 °C Soda-lime glass DIN 8902<br>280 °C Borosilicate glass DIN 7080<br>300 °C Borosilicate glass DIN 7080<br>protected by mica |
| Pressure:  | ≤ 16 / 25 / 40 barg  |

| Materials:           |   |  |  |  |  |
|----------------------|---|--|--|--|--|
| Cover flange / body: | 1.4408  |  |  |  |  |
| Glass:               | Borosilicate glass DIN 7080<br>Soda-lime glass DIN 8902 |  |  |  |  |
| Gasket:              | Graphite; C4400; PTFE; FKM;                             |  |  |  |  |
| Screws:              | A4-70   |  |  |  |  |

## **INSTALLATION NOTE**

When welding the fitting, it is important to ensure that no uncontrolled temperature input occurs in sensitive components. Especially the sight glass plates must be protected from thermal stress, mechanical damage, as well as from weld beads and splashes. Suitable protective measures such as thermal insulation, covers, or splash guard devices should be used accordingly.

#### **DRAWING**



| DN | 15  | 20  | 25  | 32  | 40  |
|----|-----|-----|-----|-----|-----|
| AD | 22  | 28  | 34  | 42  | 49  |
| BL | 100 | 100 | 120 | 120 | 160 |
| D1 | 32  | 32  | 48  | 48  | 65  |



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### **PRODUCT CODE**

Example for Explaining the Code Composition

| GROUP | TYPE | DN    | PN    | BODY      | GLASS                          | GASKET      | VARIANT                 |
|-------|------|-------|-------|-----------|--------------------------------|-------------|-------------------------|
| 11    | 550S | 1) 15 | 1) 16 | 2) 1.4408 | 1) Borosilicate glass DIN 7080 | 1) PTFE     | 000) Standard variant   |
|       |      | 2) 20 | 2) 25 |           | 2) Soda-lime glass DIN 8902    | 2) FKM      | 001) Rotor PTFE (260°C) |
|       |      | 3) 25 | 3) 40 |           |                                | 4) C4400    | G00) Mica               |
|       |      | 4) 32 |       |           |                                | 7) Graphite |                         |
|       |      | 5) 40 |       |           |                                |             |                         |



Unless otherwise stated, the highlighted factory standard will be delivered.

## **EXAMPLE**

The product code 11-550S-3-1-2-1-4-000 corresponds to the standard version: ACI type 550S
DN 25 welding ends Ø 34 mm
PN 16
Body 1.4408
Cover flanges 1.4408

Cover flanges 1.4408
Borosilicate glass DIN 7080
Gasket KlingerSil® C4400



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



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## **Type 550S**

## **QUICK OVERVIEW**



max. 40 barg



heat resistant up to 300 °C



for liquid media



for gaseous media



Nominal sizes DN 15 - 40

## **OPERATING CONDITIONS**

|             |               | SIGHT                       | GLASS                          | GASKETS                    |                           |                             |                     |  |
|-------------|---------------|-----------------------------|--------------------------------|----------------------------|---------------------------|-----------------------------|---------------------|--|
|             |               | Soda-Lime-Glass<br>DIN 8902 | Borosilicate glass<br>DIN 7080 | <b>РТFE</b><br>max. 200 °C | <b>FKM</b><br>max. 200 °C | <b>C4400</b><br>max. 175 °C | Graphite<br>> 300°C |  |
| TEMPERATURE | up to 150 °C  | <b>②</b>                    | <b>⊘</b>                       | <b>②</b>                   | <b>⊘</b>                  | <b>⊘</b>                    | <b>⊘</b>            |  |
|             | up to 175 °C  | ⊗                           | <b>⊘</b>                       | <b>⊘</b>                   | <b>⊘</b>                  | <b>⊘</b>                    | <b>⊘</b>            |  |
|             | up to 200 °C  | ⊗                           | <b>⊘</b>                       | <b>⊘</b>                   | <b>⊘</b>                  | *                           | <b>⊘</b>            |  |
|             | up to 280 °C  | ⊗                           | <b>⊘</b>                       | <b>×</b>                   | *                         | *                           | <b>⊘</b>            |  |
|             | > 280 °C      | On request                  |                                |                            |                           |                             |                     |  |
| PRESSURE    | up to 16 barg | <b>⊘</b>                    | <b>⊘</b>                       | <b>⊘</b>                   | <b>⊘</b>                  | <b>②</b>                    | <b>⊘</b>            |  |
|             | up to 25 barg | <b>⊘</b>                    | <b>⊘</b>                       | <b>⊘</b>                   | *                         | <b>Ø</b>                    | <b>⊘</b>            |  |
| PR          | up to 40 barg | <b>⊘</b>                    | <b>⊘</b>                       | <b>⊘</b>                   | *                         | <b>⊘</b>                    | <b>⊘</b>            |  |







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## **OPTIONAL ACCESSORIES**



### Round mica discs

up to 320 °C with Borosilicate glass DIN 7080

## **ACI Industriearmaturen GmbH**

✓ info@aci24.com

+49 (0) 2461 91634 00

www.aci24.com

+49 (0) 2461 91634 44

Ç Königskamp 19 · 52428 Jülich · Germany