

## SANITARY SIGHT GLASS SWS

### DESCRIPTION

The SWS sanitary sight glasses are designed to monitor liquid flow in any direction.

Sight glasses (or flow indicators) are usually employed to detect either the presence or absence of fluid flow, turbulence, colour, etc.

They are specially recommended for high purity applications.

### MAIN FEATURES

Compact design.

Completely machined from bar stock materials, no castings or forgings are used on the standard version.

Precision glass mounted without stress.

Excellent visualization.

### STANDARD SURFACE FINISH

Internal wetted parts:  $\leq 0,51$  micron Ra – SF1.

External:  $\leq 0,76$  micron Ra – SF3.

Other surface conditions see IS PV20.00 E – Technical information.

Ultrasonic cleaning.

OPTIONS: Full view design.

USE: Water and other gases and liquids compatible with the construction.

AVAILABLE MODELS: SWS.

SIZES: 1/2" to 4".

CONNECTIONS: ASME BPE clamp ferrules.  
Others on request.

PACKAGING: Assembling and packaging in a clean room certified according to ISO 14644-1.  
The product is end capped and sealed with recyclable thermo-shrinkable plastic film, to avoid contamination.

INSTALLATION: In any position. See IMI – Installation and maintenance instructions.



#### LIMITING CONDITIONS

|                                                                  |         |
|------------------------------------------------------------------|---------|
| Maximum operating temperature (steam and water) – EPDM seals *   | 180 °C  |
| Maximum operating temperature (air and other gases) – EPDM seals | 150 °C  |
| Maximum operating temperature – PTFE seals                       | 200 °C  |
| Minimum operating temperature                                    | - 10 °C |

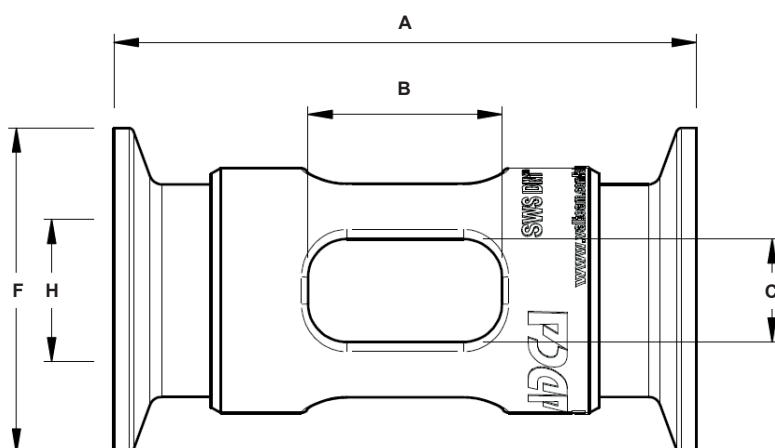
\* High performance EPDM. Maximum operating temperature of 210 °C, for short periods of time.

#### CE MARKING – GROUP 2 (PED – European Directive)

| Size       | Category |
|------------|----------|
| 1/2" to 4" | SEP      |

#### MAXIMUM OPERATING PRESSURE (bar)

| 1/2" | 3/4" | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|------|------|----|--------|----|--------|----|----|
| 20   | 16   | 14 | 10     | 10 | 9      | 9  | 8  |



DIMENSIONS (mm) ASME BPE

| SIZE   | A   | B   | C  | F    | H     | WEIGHT (kg) |
|--------|-----|-----|----|------|-------|-------------|
| 1/2"   | 76  | 20  | 10 | 25   | 9,4   | 0,13        |
| 3/4"   | 92  | 30  | 10 | 25   | 15,75 | 0,23        |
| 1"     | 92  | 30  | 15 | 50,5 | 22,1  | 0,4         |
| 1 1/2" | 105 | 32  | 24 | 50,5 | 34,8  | 0,58        |
| 2"     | 120 | 48  | 34 | 64   | 47,5  | 0,83        |
| 2 1/2" | 151 | 55  | 40 | 77,5 | 60,2  | 1,35        |
| 3"     | 175 | 90  | 50 | 91   | 72,9  | 2,53        |
| 4"     | 200 | 110 | 60 | 119  | 97,38 | 3,81        |

MATERIALS

| POS. N° | DESIGNATION     | MATERIAL                 |
|---------|-----------------|--------------------------|
| 1       | Valve body      | AISI 316L / 1.4404       |
| 2       | * Glass         | Borosilicate             |
| 3       | Connection ends | AISI 316L / 1.4404       |
| 4       | * O-ring        | High performance EPDM    |
| 5       | * O-ring        | High performance EPDM ** |
|         | * O-ring        | PTFE **                  |

\* Available spare parts; \*\* Others available on request.

Remarks: FDA / USP Class VI seals certificate on request.

All valves have a serial number. In case of non-standard valves, this number must be supplied if spare parts are ordered.

