

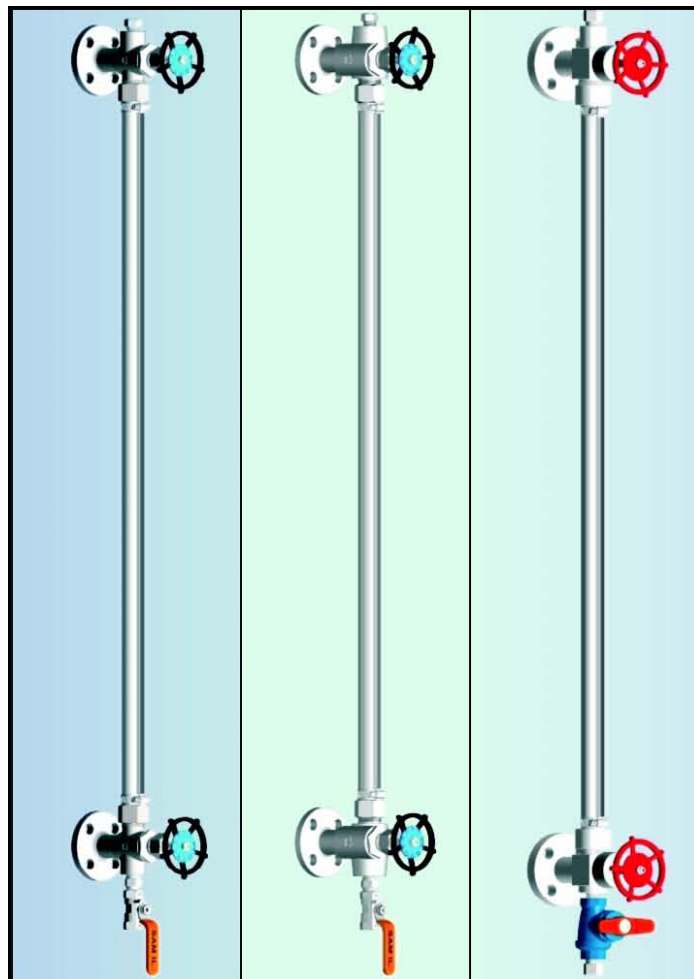
INTRA-AUTOMATION

MEASUREMENT AND CONTROL



TUBULAR LEVEL GAUGES

SBG series



TECHNICAL INFORMATION

October 2008

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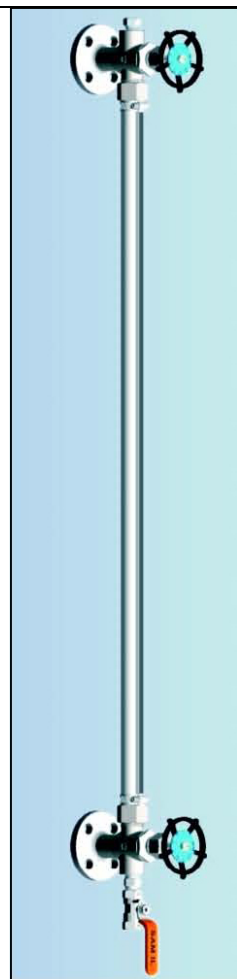
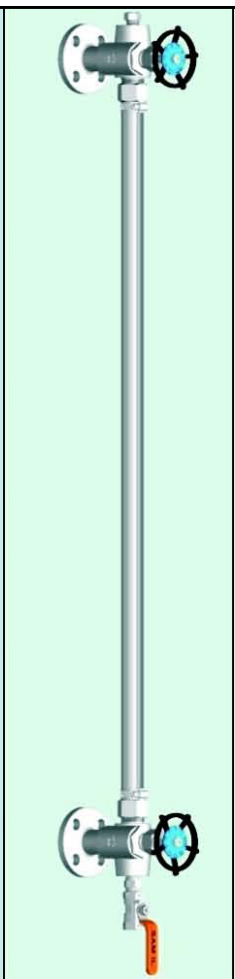
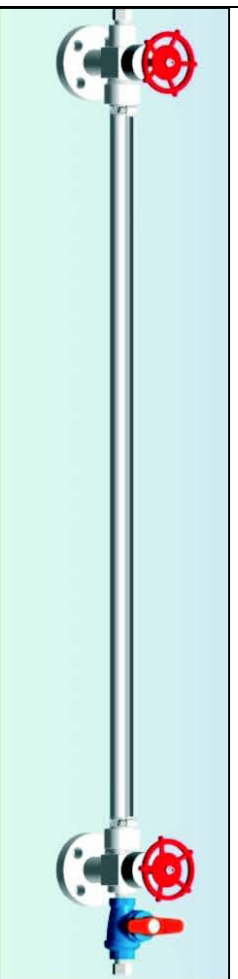
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General Description

The tubular type level gauge is the simplest shape of direct reading level apparatus for low pressure up to 4,9 bar (71 psi) und maximum temperature of 100 °C (212 °F). The gauge glass is built in the protective tube. Check balls inserted in the upper and lower valve to stop flow instantaneously when the glass is broken. The protector having a circular form is constructed to prevent glass breakage from external sources. For glass tuve gauges only of center to center dimensions in excess of 2.000 mm, it is possible to manufacture any required c to c by using coupling in the middle of the gauge. Depending on the nature of the liquid, tubes made from various PFA, Acrylic or Vinyl tube are also available. Tubular glass with a linear red coating on the back is available to make level observation more clear.

Specifications

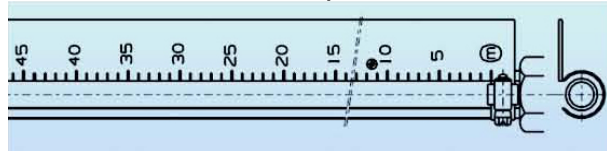
		
<p>SBG-1</p> <p>-valve mat.: CS & SS</p> <p>-valve type: straight form</p> <p>- conn. size: 1/2", 3/4", 1"</p>	<p>SBG-2</p> <p>-valve mat.: CS & SS</p> <p>-valve type: straight form</p> <p>- conn. size: 1/2", 3/4", 1"</p>	<p>SBG-3</p> <p>-valve mat.: PVC, PP; PVDF</p> <p>-valve type: straight form</p> <p>- conn. size: 1/2", 3/4", 1"</p>

- glass tube size : OD = 19 mm; ID = 15 mm
- standard vessel connection : $\frac{3}{4}$ " ANSI 150# RF
Drain: $\frac{1}{2}$ " NPT
- center to center length : 300...2000 mm (12...78 ")
- glass length (hard glass) : c to c ./. 35 mm (1 $\frac{1}{2}$ "
max. 2000 mm (78")
- max. working pressure : 5 bar (71 psi)
- max. working temperature : 100 °C (212 °F)
- shell test pressure: : 7 bar (100 psi)
- optional vessel connection : as per customer's specification

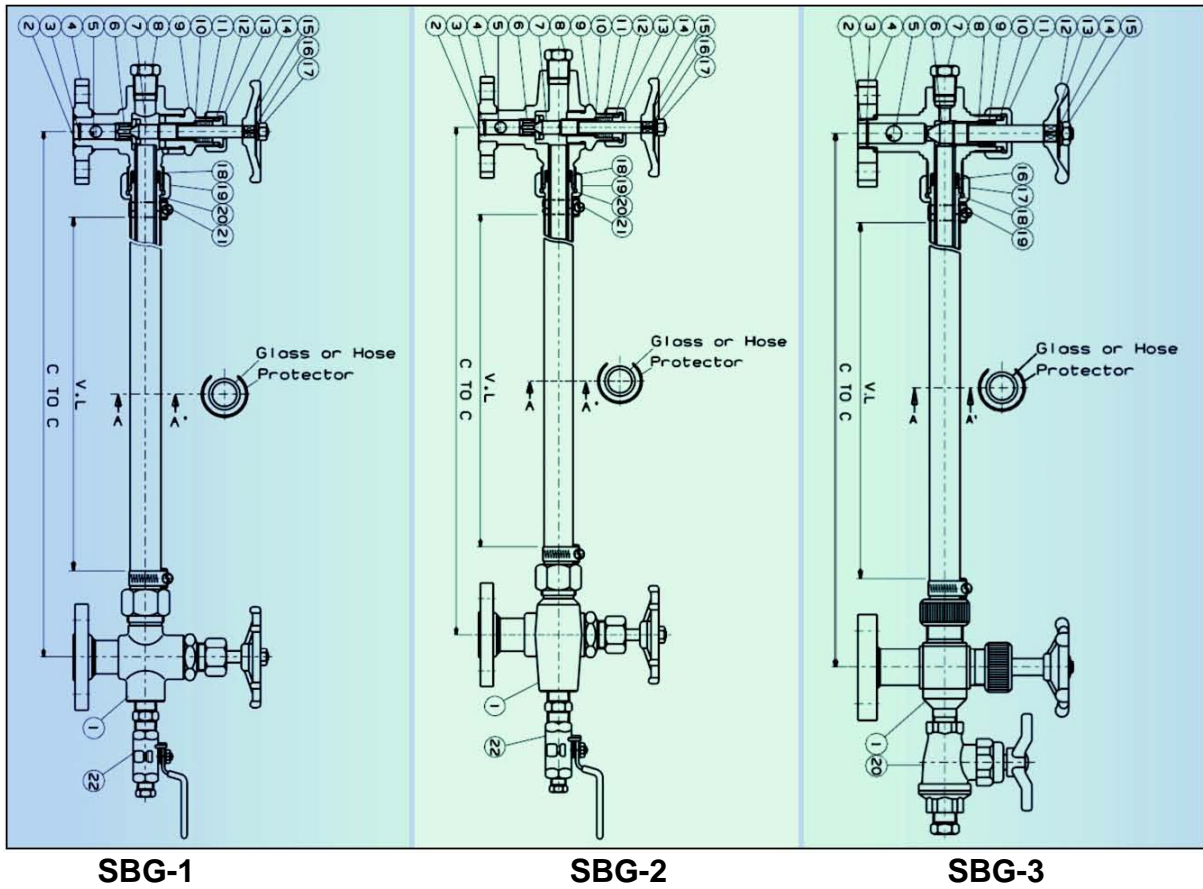
For other specification, please let us have your request.

Options

- tube : PFA tube
size: OD 16 mm; ID 14 mm
- scale plate : units: cm or liter as standard;
others available on request.



Drawings



SBG-1 / SBG-2			
#	Part	#	Part
1	Lower valve body	12	Gland
2	Upper valve body	13	Gland nut
3	Retainer	14	Hand wheel
4	Flange	15	Name plate
5	Check ball	16	Washer
6	Seat	17	Nut
7	Stem	18	Packing
8	Plug	19	Conn. nut
9	Bonnet	20	Connection
10	Packing ring	21	Hose band
11	Gland packing	22	Drain valve

SBG-3			
#	Part	#	Part
1	Lower valve body	11	Gland nut
2	Upper valve body	12	Hand wheel
3	Retainer	13	Name plate
4	Flange	14	Washer
5	Check ball	15	Nut
6	Stem	16	Packing
7	Plug	17	Conn. nut
8	Packing ring	18	Connection
9	Gland packing	19	Hose band
10	Gland	20	Drain valve

Besides the products covered by this brochure, Intra-Automation GmbH also manufactures other high-quality and high precision instruments for industrial measurement tasks. For more information, please contact us (contact details on the backside of this brochure).

Flow Measurement



Itabar®-Flow-Sensors



IntraSonic IS200 Ultrasonic Flow Meters



Level Measurement



ITA-mag. level gauges



MAGLINK level indicators

Other measurement tasks:



DigiFlow Flow and Level Computers



IntraCont digital Controllers



IntraDigit digital indicators

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