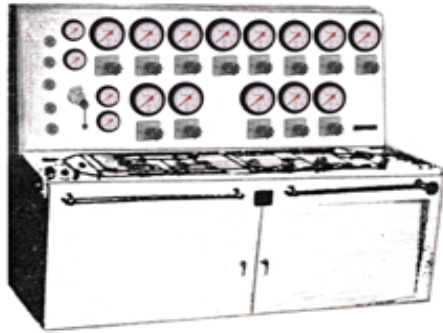


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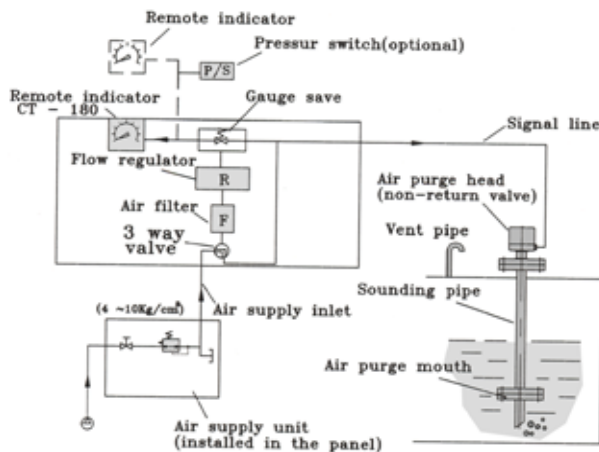
MODEL : SPG Series

AIR PURGE TYPE REMOTE LEVEL GAUGING SYSTEM



OPERATING PRINCIPLE

The principle based upon the measurement of the hydrostatic pressure by providing a constant low of air or natural gas into a probe which opens at the tank bottom.



- The flow regulator ensuring a constant pre-set flow at the end of the sounding pipe in the tank irrespective of the supply pressure.
- Gauge saver protecting the level indicator against over pressure.
- Blow valve to send the full air pressure through the signal line for cleaning purposes.
- An air supply valve of the air supply to isolate one channel without influencing the other.
- The output pressure of this modulator (corresponding to the hydrostatic pressure at the bottom of the sounding pipe) is connected to the level indicator.
- The indicator and modulator are built in inter-connecting assembly ready for panel mounting.

FEATURES

- Liquid level or measuring depth pressure is indicated for direct reading and then high precision is achieved.
- The construction is simple and the handling and maintenance is easy.
- Since no electricity is used, the high sensitive level switch is not necessary.
- With use of the pressure type high sensitive level switch, the signal and alarm of the preset liquid level can be transmitted.

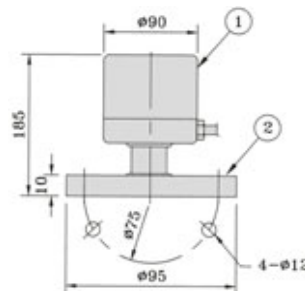
APPLICATIONS

- **Open Tank**
 - Ballast tank remote reading
 - Draft remote reading
 - Heeling and trim remote reading
 - Fuel oil tank remote reading
- **Closed Tank**
 - Cargo oil tank remote reading
 - All liquids even viscous ones (molasses, bitumens, etc..)

STANDARD SPECIFICATIONS

- System type : One line type air purge system
- Flow rating : 5N l/hour (about)
- Accuracy : 1% of F.S
- Working temp. : 0 to 50°C
- Supply air setting pressure : 4 to 10Kg/cm²
- 400m max. distance of signal line and indicator
- Signal line size : OD6 or OD8
- Transmitter : 4~20mA output signal

AIR PURGE HEAD (NON RETURN VALVE)



NO	Description	Mat'l	Q'ty
1	Body	STPG38	1
2	Flange	SS400	2

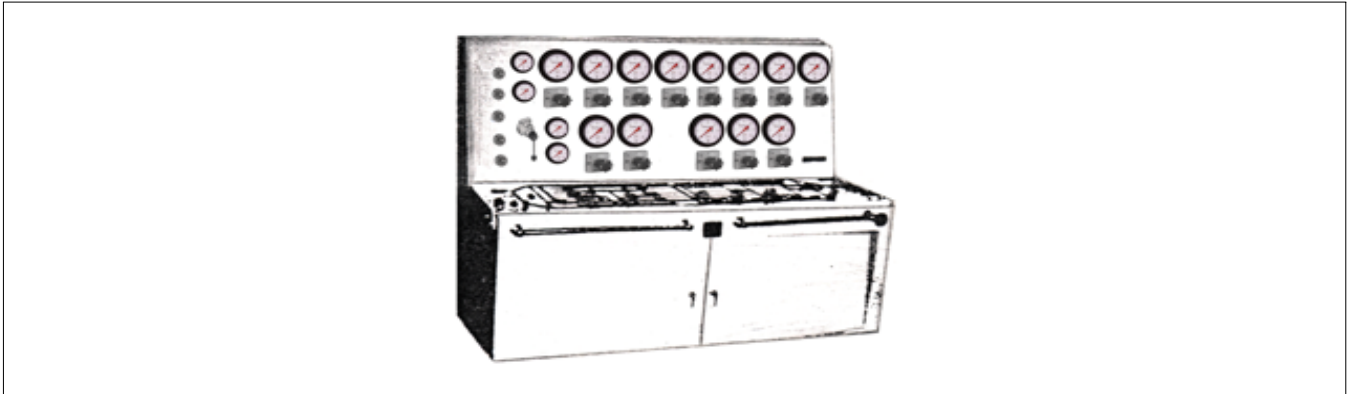
- Avoids entry of liquid inside the device in case of air supply failure
- Connection size : JIS 5K 25A
- Working pressure : Max. 10Kg/cm²
- Signal input connection size : PT 1/4"
- Cr-Ni gal'v 3 times.

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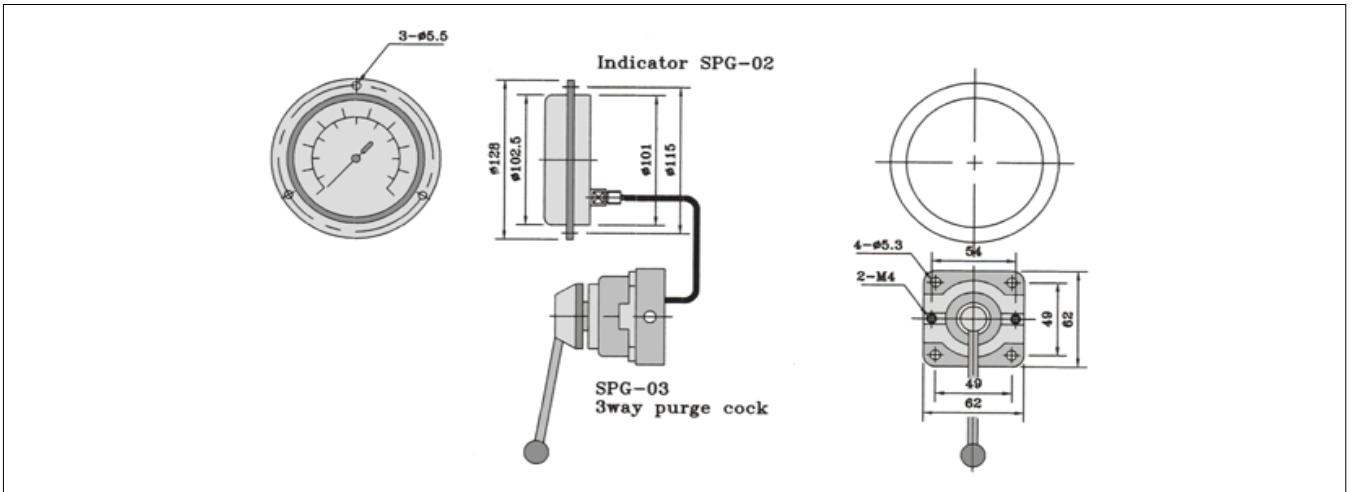
MODEL : SPG Series

AIR PURGE TYPE REMOTE LEVEL GAUGING SYSTEM

REMOTE SOUNDING CONSOLE



FLOW LEVEL INDICATOR AND MODULATOR



DRAFT BOX

