

## **Pressure Measurement**

Complete range of instruments for measuring gauge, differential and absolute pressure. In addition to high measuring precision and ruggedness, defining features include the convenience and functionality of a modular system as well as the perfect safety concept. We have a proven range of products for all pressure applications .

MANUFACTURES

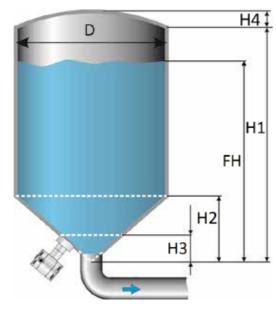
# **Manufacturers**



Green Industry Co. PRESSURE MEASUREMENT

## Linearization Vertical Tank With a Control Bottom

#### LINEARIZATION VERTICAL TANK WITH A CONICAL BOTTOM



- 1. Navigate to Vert. Sphere. with the navigation button, and push to confirm.
- 2. Two choices appear on the screen: Input and Simulate
- 3. Select Input, and push to confirm.
- **4.** Six choices appear on the screen:

Display	Drawing	Explanation
Height1	H1	The height of the tank
Diameter	D	The diameter of the tank
Height 2	H2	the height of the cone
Height 3	Н3	The height till the topside of the diaphragm
Height 4	H4	The height of the parabolic tank roof
Fill Height	FH	The maximum percentage of filling of the tank

- 5. Fill in each value, and confirm with the navigation button. The entered value's must be in meters.
- **6.** Select **SAVE** to save the setting.
- 7. The transmitter will return to the main menu.

#### **SIMULATION**

After linearization is entered and stored, it is possible to perform a simulation based on the entered value's. Based on the value entered in mWc, the transmitter will display the number of hectoliters (on the basis of the specified linearization values).

- 1. Navigate to program point P111 TANK LIN, and push the navigation button to enter the
- 2. Navigate to Vert. Sphere. with the navigation button, and push to confirm.
- 3. Two choices appear on the screen: Input and Simulate
- **4.** Select **Simulate**, and push to confirm.
- **5.** Fill in the desired value based on mWc, the number of hectoliters change directly with a change in the value mWc.

## Main advantages Our Diaphragm

### Our advantages against oil filled capillary systems & seals

With our well proven Flush Diaphragm Technology we have some big advantages against transmit-ters . with oil filled capillary seals

Instead of using oil filled capillaries we use our strong Hytrel cable (with venting tube inside) between the process connection and the remote stainless steel electronics housing, which gives a lot of advantages.

#### Find below our major advantages:

- 1. Strong and small diaphragm
- Laser welded
- Standard polished

#### 2. Minimum oil filling

 Between sensor and diaphragm by using our Flush Diaphragm Technology

#### 3. Wave structure (back-up) behind diaphragm

- Equal to diaphragm structure
- Good protection against overpressure
- Perfect long term stability

#### 4. Pressure sensor near the process

- Build-in Temperature Sensor
- Active Temperature compensationNo mounting position effect!
- 5. Strong "vented" cable (Hytrel)
- 6. Electronics housing complete Stainless.Steel

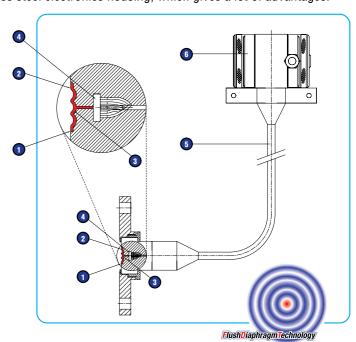
#### **Disadvantages capillary systems:**

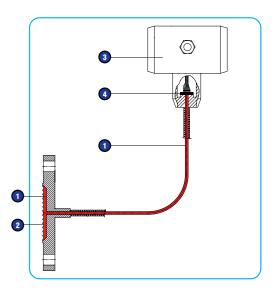
#### 1. - Lots of oil filling

- Sensitive for temperature fluctuations
- No Temperature compensation
- Expensive solution

#### 2. - Large diaphragm necessary, more sensitive for damaging

- 3. Mounted on a standard transmitter
- No active temperature compensation
- Large mounting position effects
- 4. Pressure sensorNo "feeling" with the process.





Green Industry Co. PRESSURE MEASUREMENT

# **Pressure Measurement**

## Pressure Gauge

# 25 38 15 15 (5) 65 15 18 12715 24 15 15 25 15

- Stainless steel, bronze and monel Bourdon tube options
- Wide selection of pressure connections and pressure ranges
- Teflon®-coated, 400 stainless steel movement
- PLUS!™ Performance (option)
   dampens vibration, shock and pulsation
   effects; provides liquid-fill performance in
   a dry gauge

## **DP** Gauge



- Based on the high-quality pressure gauges
- Also with simultaneous indication of the working pressure
- Robust and durable
- For each application the right instrument

## Pressure Transmitter



- All stainless steel housing
- Adjustable with programming button, without test pressure
- Graphic display with backlight
- Local indicator (option)
- All current process connections

## Hydrostatic LT



- Strong flush diaphragm
- Perfect long term stability
- Fixed or adjustable range
- Active temperature compensation

## **DP Transmitter**

## **Pressure Switch**



- · All stainless steel housing
- Adjustable with unique programming button
- Graphic display with backlight
- Local indicator (option)
- Intrinsically safe ATEX and IECEx: Ex ia IIC T6 Ga



- Adjustable setpoints from %100-%15 of range
- Fixed or limited adjustable deadband
- Wide selection of switch elements and wetted materials
- Internal setpoint locking screw

