

SELF POWERED HYDROSTATIC TANK CONTENTS GAUGE

FEATURES

- **No Power Required**
- **Fully Automatic, Continuous Read-outs**
- **External And Internal Sensor Types**
- **Simple To Install**
- **Safe in Hazardous Environments**
- **Capillary Up To 30 Metres**
- **Detachable Capillary An Option**



SPECIFICATION

Sensors: Internal & External Types

Sensor Connections: 3/4"

B.S.P.80mm. Flange To B.S. 4504
Table 16.4

Sensor Access & Sealing

Flange:125mm. Flange To B.S. 4504
Table 16.4

Sensor Materials: Mild Steel Brass
316 Stainless Steel Upvc

Sensor Diaphragm. 316 Stainless
Steel Viton GF

Operating Temperature: All Gauges
Calibrated At Stated Temperature - Up
To 100°C

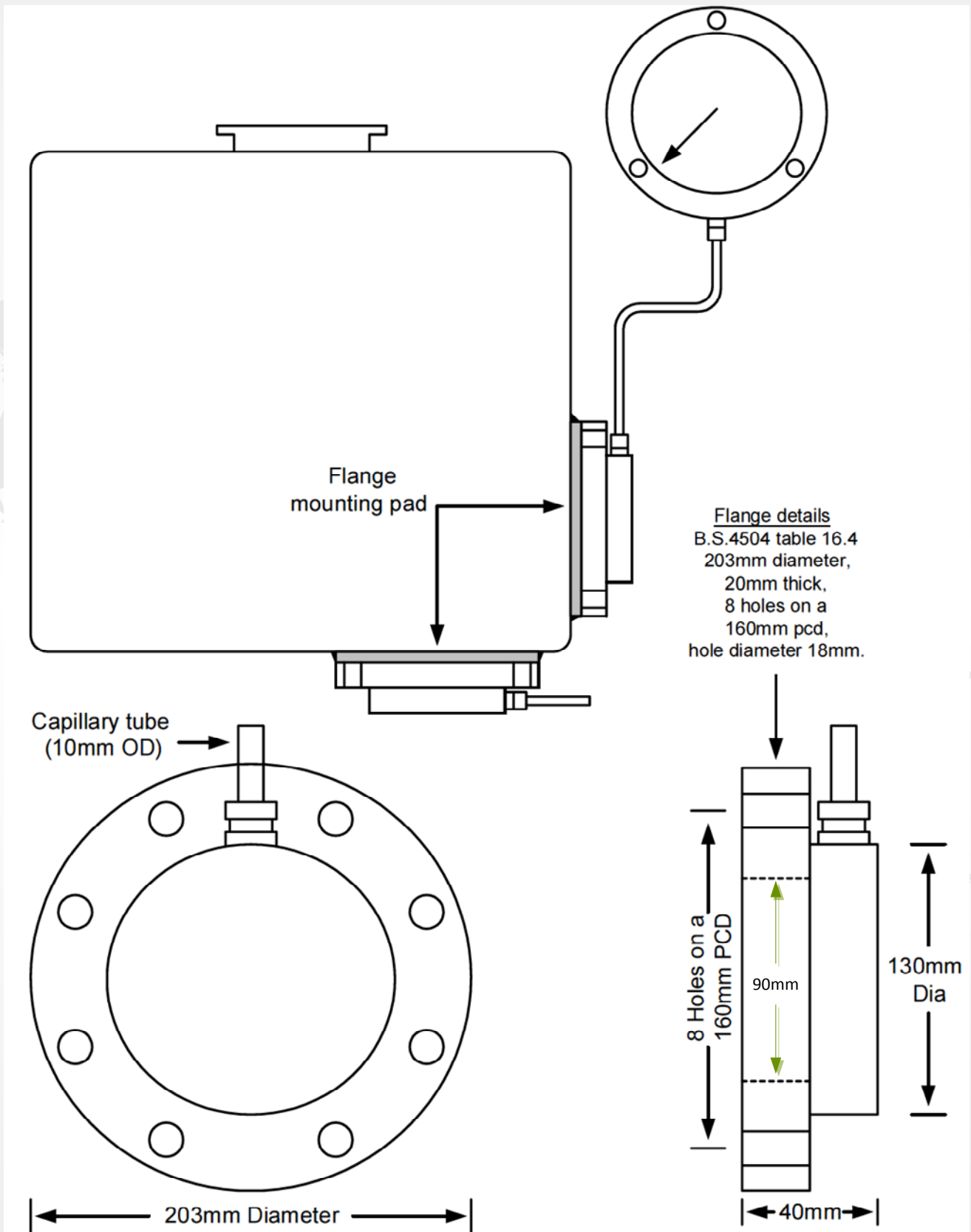
Capillary: External - Sheathed In
Terylene Reinforced PVC Having An
ODOF 10mm. Internal - Covered In A
Flexible Armoured Stainless Steel
Having An Od Of 7mm. Detachable
Options Are Available

GENERAL DESCRIPTION

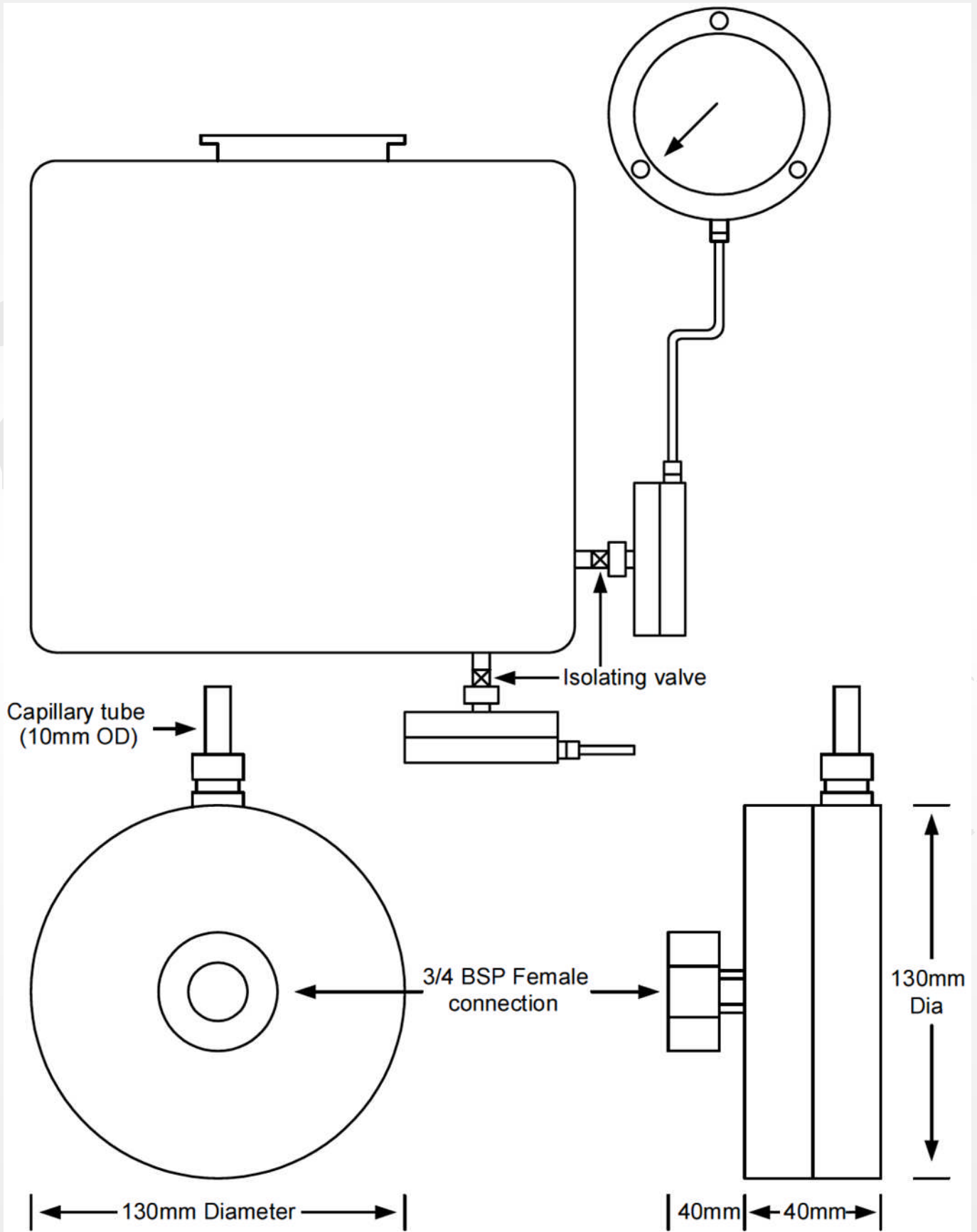
The industrial range of self-powered tank contents gauges have been designed to give a simple but effective and continuous read-out of tank contents. We are able to offer three sizes of indicator - 100mm, 160mm or 250mm, all of which are stainless steel and weatherproof. There are three types of sensors, two external mounting and one internal type, and with all the sensor types available in Mild Steel, Brass and 316 Stainless Steel, most applications can be met from the range available. This range of gauges has also been developed to accept a pressure transmitter from which a 4-20mA signal can be received, or a mechanical switching unit that allows micro switches to operate at pre-set levels of tank contents



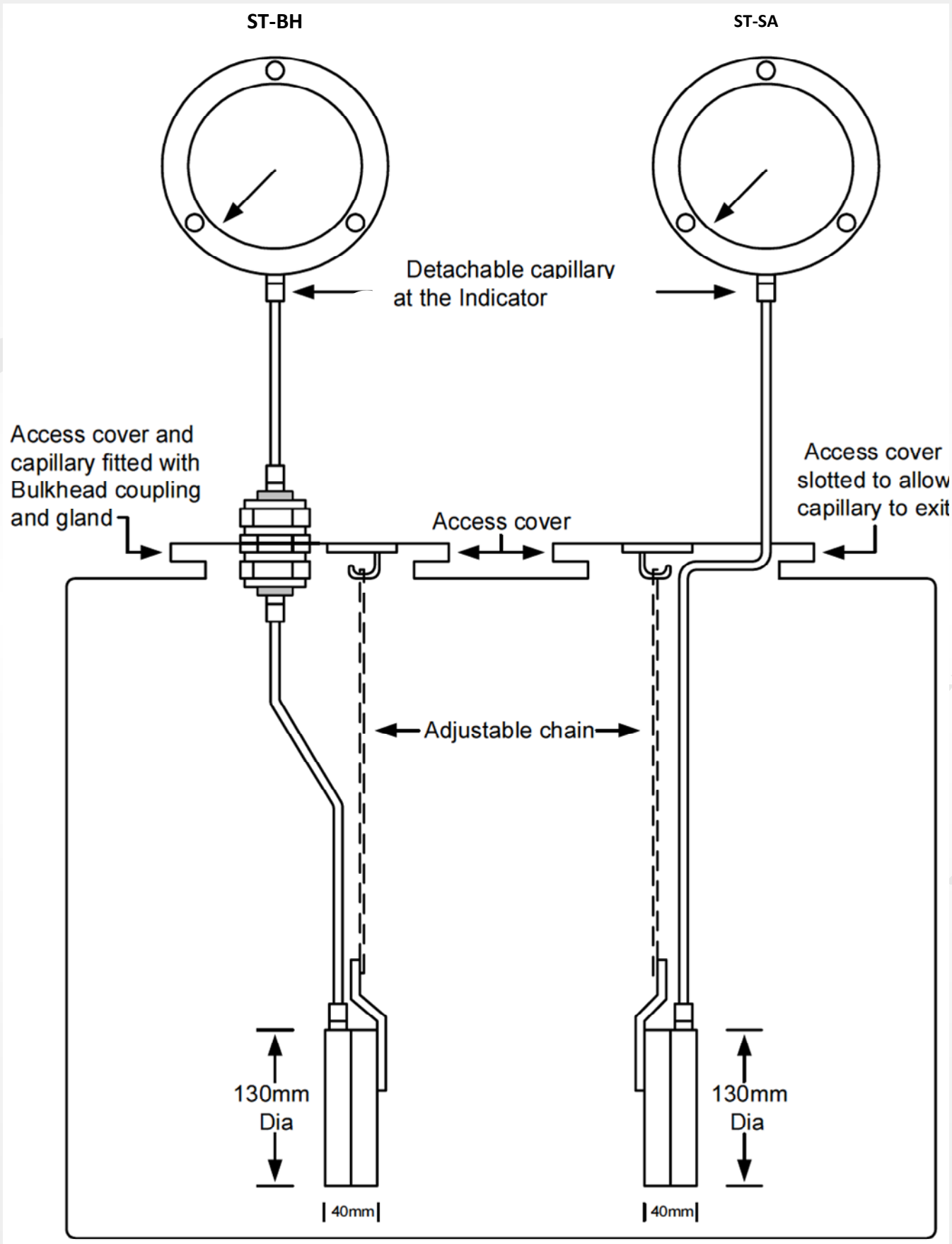
Type SM Installation



Type ES Installation



Type ST Installation



INFORMATION REQUIRED ON ORDER

Self Powered Hydrostatic Contents Gauges are application specific. They are built to suit the individual tank and the liquid stored therein with a particular reference point. The tank shape is resolved on the dial. They can be scaled in any engineering unit, Volume, Head or Mass and may be dual scaled and have any desired dial markers such as Safe Fill Level etc.

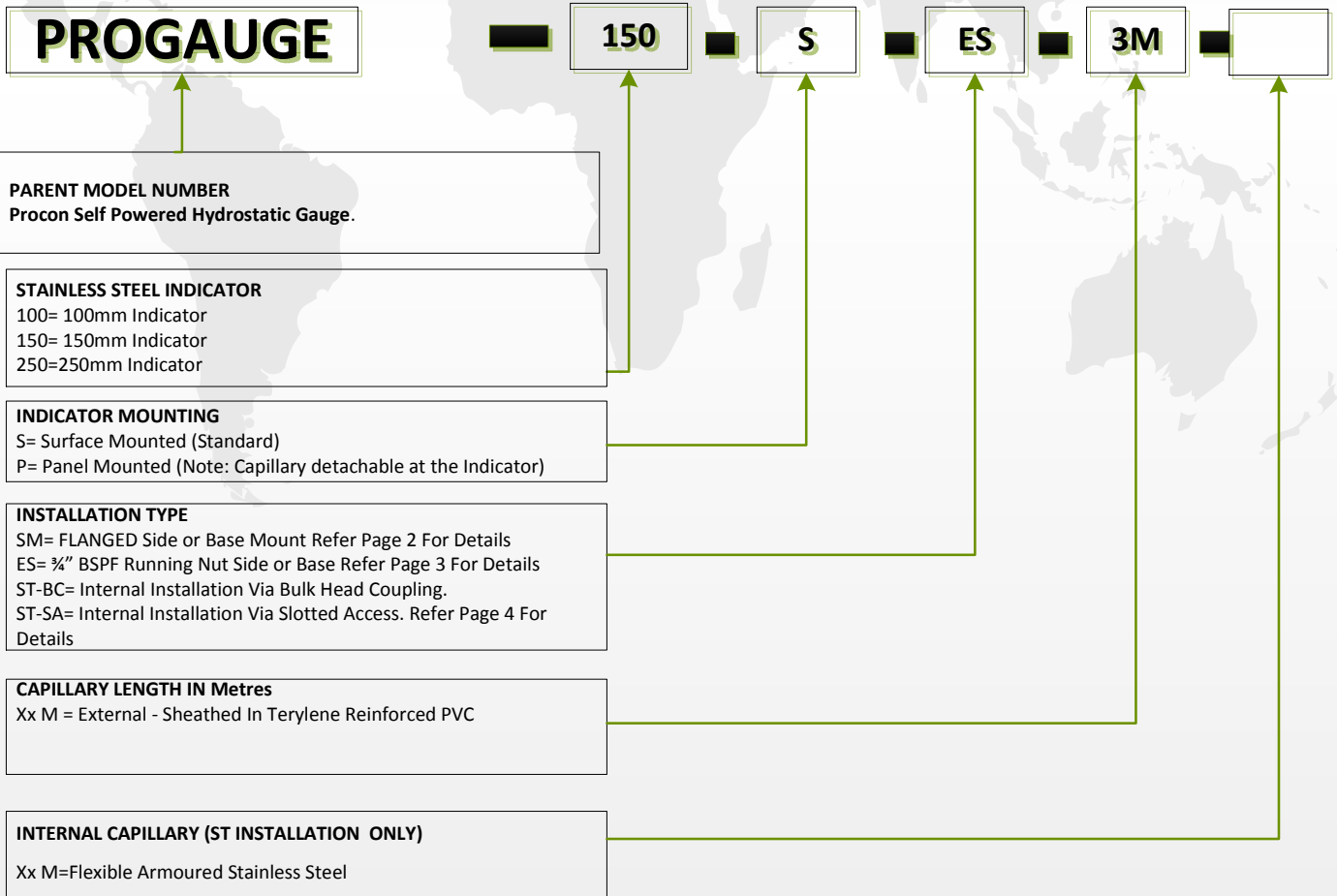
This means that all the engineering data must be supplied at the time of order and accuracy of this information will directly influence the ultimate performance of the instrument. The data required is as follows.

- Product Stored
- Product S.G
- Tank Dimensional Detail



- Precise Sensor Mounting Position in relationship to the Tank Base. (For SM and ES Sensors, if mounted under the tank the distance from the outside of the boss or flange including the root valve if utilized ST Sensors are normally mounted with the bottom of the sensor 25mm above the tank base.)
- Coloured Dial Line markings as required eg Safe Fill Level

ORDERING CODE



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