

Closed Expansion Tank, Series - VEECO-160

Replaceable Bladder Type

FEATURES: -

The expansion tank shall be suitable for use in domestic water booster systems, chilled water systems, irrigation systems, firefighting systems, and solar water applications.

The tank shall be of pressurized replaceable bladder type construction and shall be manufactured by [Vamsy Engineering Co. \(Brand Name – VEECO\)](#). The tank shall be specifically designed to absorb the expansion of water caused by temperature variations within the system and to maintain the system pressure within permissible operating limits.

The tank shall be fabricated from high-quality welded steel construction and shall be designed and tested for a maximum working pressure of 16 Kg/cm² (227.57 psig).

The tank shall be factory pre-charged with nitrogen gas to ensure stable and efficient system performance.

The tank shall be provided with a heavy-duty replaceable bladder manufactured from EPDM rubber as standard supply. For potable water applications, Butyl rubber bladder shall be available as an optional supply. The bladder shall provide complete separation between air and water, thereby preventing waterlogging, minimizing internal corrosion, and maintaining optimum system efficiency.

The expansion tank shall maintain the minimum operating pressure required to eliminate air accumulation within the system. The permanently sealed air cushion shall remain isolated from the system water by means of the bladder arrangement.

The tank shall be suitable for continuous operation within a temperature range of –10°C to +90°C.

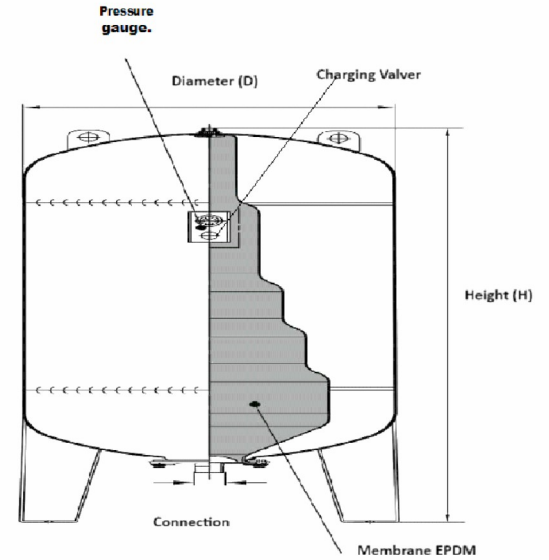
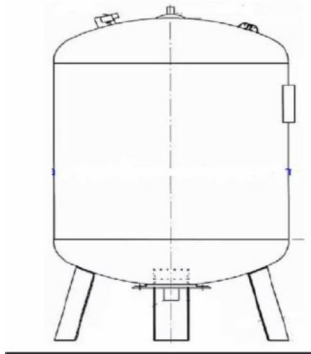
The tank shall be designed for vertical installation and shall be supported on steel legs or an integral ring-base mounting arrangement.

Tank dimensions, capacities, and connection details shall be as specified in the approved project drawings and technical schedules.

Each tank shall be supplied complete with the following accessories:

- Air charging valve
- Water connection
- Drain arrangement.
- Identification nameplate
- Mounting support/base arrangement

The tank construction and performance shall ensure reliable operation, ease of maintenance, prevention of corrosion, and long service life under specified operating conditions.



Model	Volume (LTR)	Pre charged Pressure (Bar)	System Connection (MM)	Cell Dimension (MM)		Approx Gross Weight (KG)
				Height	Dia	
VEECO -160	100	2.5	25	930	460	45
VEECO -160	200	2.5	32	1121	586	51
VEECO -160	300	2.5	32	1231	636	62
VEECO -160	500	2.5	32	1552	752	89
VEECO -160	750	2.5	50	1969	799	214
VEECO -160	1000	2.5	50	2181	799	236
VEECO -160	1500	2.5	50	2381	959	374
VEECO -160	2000	2.5	50	2521	1102	512
VEECO -160	2500	2.5	50	2503	1203	633
VEECO -160	3000	2.5	65	2799	1203	753
VEECO -160	4000	2.5	80	3105	1455	975
VEECO -160	5000	2.5	80	3721	1455	1125

DATA SHEET

Body Material	Mild Steel IS 2062
Pressure Rating	16kg/cm ²
Membrane	EPDM- Butyl
Temperature	-10deg to + 90deg
Gas Type	Nitrogen
Surface Coating	Primer & Enamel Paint
Application	Water
Installation	Vertical
Color	Blue / Green
End Connection	BSP Female - Thread

The above “Closed Expansion Tank” is warranted defect in material, workmanship for a period of 12 Months from the date of Invoice.