



# Catalogue

# LEO FIX MEMBRANE TANKS





# *Application*

- **Water Booster Systems**
- **Thermal Expansion**
- **Irrigation Systems**
- **Hydraulic Hammer Arresting**
- **Heating Expansion**
- **Clear Water Backwash For Ultra-Filtration Systems**

# *Features*

- **Leak free, O-Ring Sealed air Wave**
- **Non Replaceable Membrane**
- **Health Guarantee, Portable Water**
- **Comprehensive Testing**
- **Extended Pump Life**
- **PED-CE-2014/68/EU Certified**
- **Resistant up to 8/10/16 Bars**
- **Temperature Range: -10'C - 100'C**
- **Maintenance Free (Does not require regular air charge checks)**
- **Reduce noise from unnecessary pump starts**



**Performing High-Pressure Water Resistance Tests on All Tanks Prior to Factory Departure**

**Water is present within the food-grade butyl membrane and stainless-steel connection tube.**

**Improved Design for Pollution-Free Water Quality**  
By implementing this new design, the internal and external components of the tank's metal body no longer pose a threat to water quality.

**Ensuring the Structural Integrity of Each Tank through Multiple Quality Checks during Production**

**Preventing Failures in Pump Body Due to Water Hammer**



**A: Brass air valve: Leak Free, O-ring sealed, high pressure resistance**

**B: Membrane: High quality food-grade butyl have hygienic certified, approved by European Union & USA Institutions. DIN 4807-3, NSF-61, WRAS, BS-6920 certified**

**C: Double Layer Painting (epoxy primed paint & polyurethane)**

**D: BSP/NPT connection: 1" stainless steel, to provide hygienic potable water**

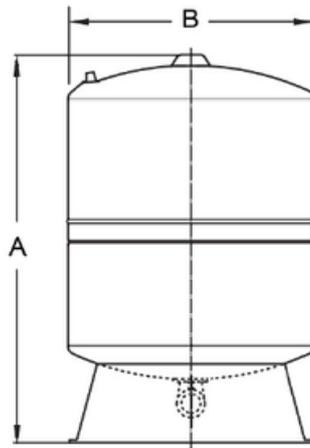
**E: Inner liner: Food grade PP (Polypropylene)**

**F: Tank Feet & pump stand: Environment- Friendly Plastic**

# Vertical Tank With Base



## Technical Data

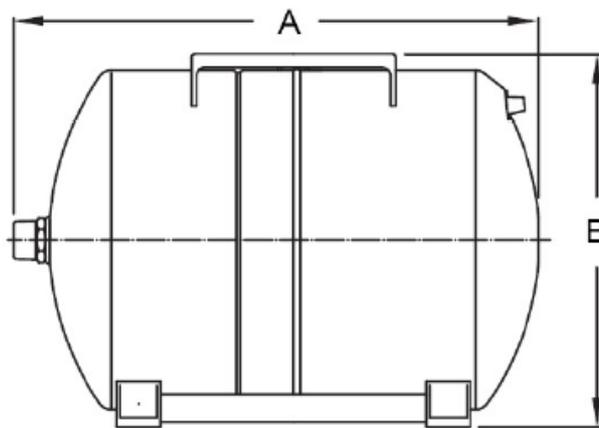


Model	Capacity		Resistant Pressure (bar)	Precharge Pressure		Temperature Range	Connection	Dimensions (mm)	
	Litre	Gallon		bar	psi			A	B
LEO-36LX-PW	36	9.5	8-10-16	2	29	-10°C ~ 100°C	1" BSP / NPT	467	350
LEO-50LX-PW	50	13	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	623	350
LEO-60LX-PW	60	15.9	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	678	350
LEO-80LX-PW	80	21.1	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	728	400
LEO-100LX-PW	100	26.4	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	770	500
LEO-150LX-PW	150	40	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	898	500

# Horizontal Tank



## Technical Data

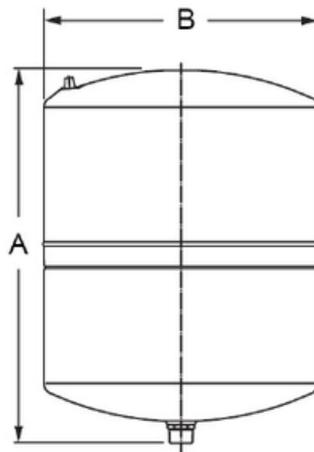


Model	Capacity		Resistant Pressure (bar)	Precharge Pressure		Temperature Range	Connection	Dimensions (mm)	
	Litre	Gallon		bar	psi			A	B
LEO-12LH-PW	12	3.2	8-10-16	2	29	-10°C ~ 100°C	1" BSP / NPT	352	280
LEO-19LH-PW	19	5	8-10-16	2	29	-10°C ~ 100°C	1" BSP / NPT	370	306
LEO-24LH-PW	24	6.3	8-10-16	2	29	-10°C ~ 100°C	1" BSP / NPT	425	334
LEO-36LH-PW	36	9.5	8-10-16	2	29	-10°C ~ 100°C	1" BSP / NPT	415	384
LEO-50LH-PW	50	13	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	570	384
LEO-60LH-PW	60	15.9	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	613	384
LEO-80LH-PW	80	21.1	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	670	435
LEO-100LH-PW	100	26.4	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	712	544
LEO-150LH-PW	150	40	8-10-16	3	44	-10°C ~ 100°C	1" BSP / NPT	855	544

# Vertical Tank Without Base



## Technical Data



Model	Capacity		Resistant Pressure (bar)	Precharge Pressure		Temperature Range	Connection	Dimensions (mm)	
	Litre	Gallon		bar	psi			A	B
LEO-12LH-PW	12	3.2	8-10-16	2	29	-10°C ~ 100°C	1" BSP / NPT	352	280
LEO-19LH-PW	19	5	8-10-16	2	29	-10°C ~ 100°C	1" BSP / NPT	370	306
LEO-24LH-PW	24	6.3	8-10-16	2	29	-10°C ~ 100°C	1" BSP / NPT	425	334
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