VERTICAL MODELS

50 L Vertical Pressure Tank

MODEL **EKL-H-50-V**



The Ekoltank 50 Liters Vertical Tank (Model: EKL-H-50-V) is a diaphragm expansion vessel manufactured for high-rise building booster sets and large installations. With its free-standing body structure, it sits firmly and balanced on the ground.

CAPACITY
50 Liters / 13 Gallons

CONNECTION
1" BSP

MAX WORKING PRESSURE
10 bar / 145 psi

FACTORY PRE-CHARGE PRESSURE
2 bar / 29 psi

TECHNICAL SPECIFICATIONS

Brand	Ekoltank
Model	EKL-H-50-V
Capacity	50 Liters / 13 Gallons
Height (A)	575 mm (22.6")
Diameter (B)	350 mm (13.8")
Leg Height (C)	104 mm (4.2")
Position	Vertical (with legs)

Connection	1" BSP
Body Material	Metal
Max Working Pressure	10 bar / 145 psi
Factory Pre-Charge Pressure	2 bar / 29 psi
Membrane type	BUTYL-EPDM
Min Working Temperature	4°C / 40°F
Max Working Temperature	50°C / 122°F

KEY FEATURES

- 50 litres (13 gallons) capacity — apartment-scale booster sets
- Free-standing body (104 mm) — the weight when full is distributed over a wide base
- Reduces pump starts by more than half compared to 24 litres
- BUTYL-EPDM membrane — high cycle durability in large volumes
- 10 bar max. pressure · 2 bar factory pre-charge
- 1" BSP connection
- No direct ground contact — reduces moisture-induced corrosion risk

APPLICATIONS

- Apartment and multi-story building booster groups
- Commercial facility water pressurization systems
- Large-scale closed-circuit heating installations
- Agricultural irrigation systems

FREQUENTLY ASKED QUESTIONS

How many litres is 13 gallons?
Approximately 50 litres.

Does it have legs?
Yes, it is manufactured with an integrated leg structure. Leg height is 104 mm (4.2").

What is the total height?
Body 575 mm (22.6"), approximately 679 mm (26.7") with legs.

What should the pre-charge pressure be?
Factory setting is 2 bar (29 psi).

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This datasheet is a summary; values are nominal and may change without notice as part of product development. Refer to the product catalogue for binding technical data. Read the user manual before installation.