



Expansion Tank

KGT Series



IN HEATING AND SANITARY SYSTEMS

CE

KGT SERIES - EXPANSION TANK

Closed Expansion Tanks are designed to meet the volume change of water heated up in heating systems, to keep the static pressure created by the pump in sanitary system applications at utilization level and to compensate for changes in water flow. In the system, a correctly chosen expansion tank prevents instantly pressure change and extends the life of installation elements and pump. Expansion Tanks are preferred for both heating and sanitation system applications due to their hygienic EPDM membranes.

TECHNICAL SPECIFICATIONS

Type	Volume (lt)	Max. Operating Pressure (bar)	Membrane Type	Dimensions (mm)			Water Connection (inch)
				Width (W)	Height (H)	Diameter (D)	
Horizontal Tank on Feet							
KGT 24Y	24	10	EPDM	470	330	-	1
KGT 50Y	50	10	EPDM	620	423	-	1
KGT 60Y	60	10	EPDM	670	423	-	1
KGT 80Y	80	10	EPDM	790	468	-	1
KGT 100Y	100	10	EPDM	800	500	-	1
Spherical Tank w/o Feet							
KGT 24K	24	10	EPDM	-	330	360	1
Vertical Tank on Feet							
KGT 50D	50	10	EPDM	-	750	380	1
KGT 60D	60	10	EPDM	-	810	380	1
KGT 80D	80	10	EPDM	-	960	430	1
KGT 100D	100	10	EPDM	-	990	460	1
KGT 150D	150	10	EPDM	-	1100	508	1
KGT 200D	200	10	EPDM	-	1120	585	1 1/4
KGT 300D	300	10	EPDM	-	1230	635	1 1/4
KGT 500D	500	10	EPDM	-	1550	750	1 1/4
KGT 750D	750	10	EPDM	-	1850	800	2
KGT 900D	900	10	EPDM	-	1950	800	2
KGT 1000D	1,000	10	EPDM	-	2180	800	2
KGT 1500D	1,500	10	EPDM	-	2380	960	2
KGT 2000D	2,000	10	EPDM / Butyl	-	2270	1200	2
KGT 3000D	3,000	10	Butyl	-	2800	1200	2 1/2"
KGT 4000D	4,000	10	Butyl	-	3100	1500	3"
KGT 5000D	5,000	10	Butyl	-	3720	1500	3"

- ✓ Tank and membranes are designed to be fully compatible with each other. Water is contained within the membrane and by no means contacts with the tank. Therefore, all expansion tank can be used both for heating/cooling systems and for sanitary systems.
- ✓ Membranes are made of EPDM material. EPDM is a membrane polymer with the highest quality, which can also be used for food applications. It does not produce any odor.
- ✓ Tank operating temperature interval is $-10^{\circ}\text{C} - +100^{\circ}\text{C}$.
- ✓ Antifreeze used in the cooling system has no effect on the membrane.
- ✓ Tank are coated with electrostatic powder paint.
- ✓ Tank with 100 lt capacity and above have a pressure gage.
- ✓ 24 lt tank are delivered with an initial gas pressure of 2 bars, and others with 4 bars. Pressure adjustment should be made as described in the User Guide if necessary during installation.
- ✓ Tank are covered under warranty for 2 years from the date of delivery against manufacturing defects.
- ✓ All tank are delivered with a Warranty Certificate, and a Maintenance and Operation Manual. Tank with operating pressure of 16 bars can be manufactured on demand (optional).

Note: The pressure gage shows the gas pressure when tank is empty, and the water pressure within the system when tank is connected to the sanitary system. Water contained in the tank must be completely discharged in case gas pressure is to be measured. Dimensions may vary. If the values need to be precise, they should be confirmed before ordering.

Manufacturer reserves the right to change any product specifications without notice.



**ALARKO CARRIER
SANAYİ VE TİCARET A.Ş.**

GOSB-Gebze Organize Sanayi Bölgesi
Şahabettin Bilgisi Cad. 41480 Gebze-Kocaeli/TURKEY
Phone : (90)(262) 648 60 00 PBX
Telefax : (90)(262) 648 61 01
web : www.alarko-carrier.com.tr
e-mail : info@alarko-carrier.com.tr

