

ALCON EB:
Horizontal Expansion Tanks

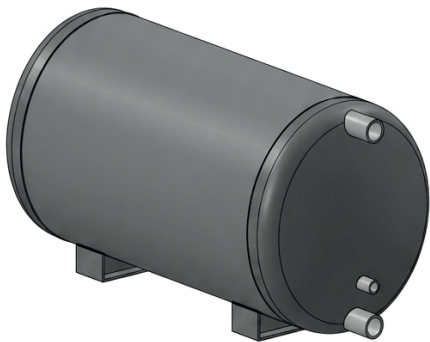
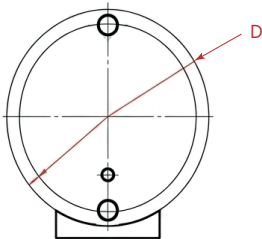
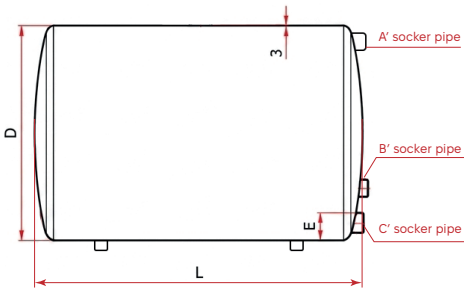
Horizontal Expansion Tanks

Alcon expansion tanks are designed to provide reliable pressure control and long-term performance in heating and cooling systems. Combining robust steel construction, high-quality manufacturing and strict quality control, they help protect system components, maintain stable operating conditions and ensure dependable system performance over time.

Developed in line with Alcon's focus on reliable technical solutions for HVAC, industrial and agricultural applications, the tanks are suitable for a wide range of installations requiring stable and efficient system operation.

Key Benefits

- Stable system pressure and enhanced operational safety
- Protection of pumps, valves and other critical components from pressure fluctuations
- Durable welded steel construction for long service life
- Capacity range from 40 to 1000 litres
- Factory-tested for quality and leak tightness
- Suitable for heating
- Designed for residential, commercial, industrial and agricultural projects



Specifications	Units of measurement	Nominal volume/ Product codes									
		40	50	75	100	150	200	350	500	670	1000
		EB 1040	EB 1050	EB 1075	EB 1100	EB 1150	EB 1200	EB 1350	EB 1500	EB 1670	EB 1910
Nominal volume	L	40	50	75	100	150	200	350	500	670	1000
Length L	mm	500	530	610	780	950	1140	1470	1720	1720	2130
Diameter D	mm	320	350	400	400	480	480	640	700	800	800
Connection A (top)	inch	3/4"	3/4"	1"	5/4"	5/4"	5/4"	1 1/2"	1 1/2"	2"	2"
Connection B (bottom)	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Connection C (side)	inch	3/4"	3/4"	1"	5/4"	5/4"	5/4"	1 1/2"	1 1/2"	2"	2"
Height E	mm	80	80	80	80	80	80	80	80	80	80
Max. working pressure	bar	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
Max. working temperature	°C	110	110	110	110	110	110	110	110	110	110
Pre-charge pressure	bar	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Connection type	-	Threaded	Threaded	Threaded	Threaded	Threaded	Threaded	Threaded	Threaded	Threaded	Threaded
Material	-	Carbon steel	Carbon steel	Carbon steel	Carbon steel	Carbon steel	Carbon steel	Carbon steel	Carbon steel	Carbon steel	Carbon steel
Colour	-	RAL 7016	RAL 7016	RAL 7016	RAL 7016	RAL 7016	RAL 7016	RAL 7016	RAL 7016	RAL 7016	RAL 7016



ALCON
TANKS

Horizontal Expansion Tanks and Vertical Buffer Tanks



Adresse: Ole Rømers Vej 10, 8670 Låsby
Telefon: +45 8666 2044
Email: info@alconalheat.dk



Adresse: Ole Rømers Vej 10, 8670 Låsby
Telefon: +45 8666 2044
Email: info@alconalheat.dk

ALCON AT
Vertical Buffer Tanks



Specifications	Units of measurement	Nominal volume/ Product codes						
		200	300	400	500	800	1000	1000-MAX
		AT 00200	AT 00300	AT 00400	AT 00500	AT 00800	AT 01000	AT 01010
Connection pipes h1	"/ mm	6/4 / 204	6/4 / 222	6/4 / 227	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 282
Connection pipes h2	"/ mm	6/4 / 507	6/4 / 535	6/4 / 610	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 745
Connection pipes h3	"/ mm	6/4 / 811	6/4 / 829	6/4 / 994	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1209
Connection pipes h4	"/ mm	6/4 / 1114	6/4 / 1132	6/4 / 1377	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1672
Temperature sensor sleeve	-	-	-	-	1/2	-	-	-
Connection pipes/venting h5	"/ mm	5/4 / 1378	5/4 / 1414	5/4 / 1664	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 1982
Connection pipes h7	"/ mm	6/4 / 356	6/4 / 374	6/4 / 419	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 514
Connection pipes h8	"/ mm	6/4 / 659	6/4 / 677	6/4 / 802	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 977
Connection pipes h10	"/ mm	6/4 / 962	6/4 / 980	6/4 / 1185	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1440
Drain pipe h11	"/ mm	3/4 / 128	3/4 / 146	3/4 / 147	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 282
Heating element pipe h13	"/ mm	6/4 / 659	6/4 / 677	6/4 / 877	6/4 / 937	6/4 / 922	6/4 / 1047	6/4 / 1052
Maximum working pressure of the tank	MPa	-	-	-	0,3	-	-	-
Total height H	mm	1380	1416	1666	1933	1738	1988	1993
Diameter without insulation d	mm	502	603	603	651	790	790	850
Diameter with insulation D	mm	674	775	775	823	962	962	1022
Nominal volume	kg	236	344	389	564	733	850	968
Mass	kg	42	51	56	69	77	86	91
Tilting radius R	mm	1409	1455	1699	1968	1791	2034	2038
Heating element length	mm	500	600	600	650	790	790	850
Energy efficiency class	-	B	B	B	B	B	B	B

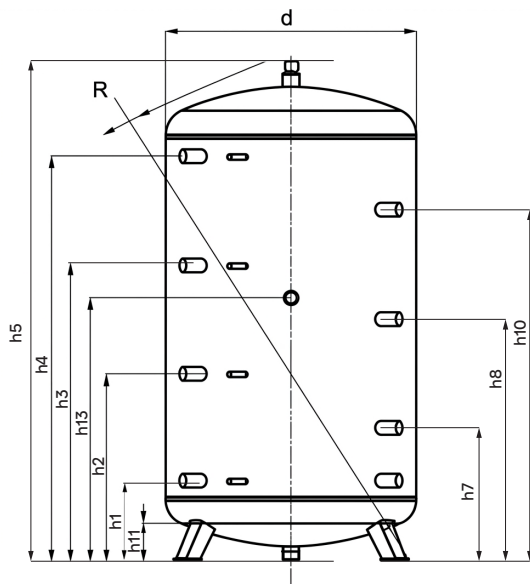


Adresse: Ole Rømers Vej 10, 8670 Låsby

Telefon: +45 8666 2044

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ALCON AT
Vertical Buffer Tanks



Specifications	Units of measurement	Nominal volume/ Product codes						
		1500	2000	3000	4000	5000	7000	10 000
		AT 01500	AT 02000	AT 03000	AT 04000	AT 05000	AT 07000	AT 10000
Connection pipes h1	"/ mm	6/4 / 295	6/4 / 340	6/4 / 435	6/4 / 465	2 / 465	3 / 490	3 / 490
Connection pipes h2	"/ mm	6/4 / 758	6/4 / 803	6/4 / 988	6/4 / 928	2 / 1128	3 / 1437	3 / 1830
Connection pipes h3	"/ mm	6/4 / 1222	6/4 / 1267	6/4 / 1362	6/4 / 1392	2 / 1792	3 / 2383	3 / 3490
Connection pipes h4	"/ mm	6/4 / 1685	6/4 / 1730	6/4 / 1825	6/4 / 1855	2 / 2455	3 / 3330	3 / 4830
Temperature sensor sleeve	-	-	-	1/2	-	-	-	-
Connection pipes/venting h5	"/ mm	5/4 / 2027	5/4 / 2199	5/4 / 2220	5/4 / 2300	3 / 2896	3 / 3800	3 / 5296
Connection pipes h7	"/ mm	6/4 / 527	6/4 / 572	6/4 / 667	6/4 / 697	2 / 797	3 / 1040	3 / 1160
Connection pipes h8	"/ mm	6/4 / 990	6/4 / 1035	6/4 / 1130	6/4 / 1160	2 / 1460	3 / 1987	3 / 2660
Connection pipes h10	"/ mm	6/4 / 1453	6/4 / 1498	6/4 / 1593	6/4 / 1623	2 / 2120	3 / 2933	3 / 4160
Drain pipe h11	"/ mm	3/4 / 209	3/4 / 254	1 / 349	1 / 370	1 / 370	1 / 370	1 / 370
Heating element pipe h13	"/ mm	6/4 / 1115	6/4 / 1160	6/4 / 1255	6/4 / 1285	6/4 / 1285	6/4 / 1285	6/4 / 1285
Maximum working pressure of the tank	MPa	-	-	0,3	-	-	-	-
Total height H	mm	2029	2105	2220	2300	2896	3799	5296
Diameter without insulation d	mm	997	1196	1397	1600	1600	1600	1600
Diameter with insulation D	mm	1169	1368	1569	1772	1772	1772	1772
Nominal volume	l	1361	2113	2735	3734	4962	6771	9787
Mass	kg	128	181	280	378	454	580	760
Tilting radius R	mm	2099	2199	2363	2526	2961	3849	5328
Heating element length	mm	995	1195	1395	1600	1600	1600	1600
Energy efficiency class	-	B	B	B	B	B	B	B



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