

STALWART

Liquid Nitrogen Cylinders STC Series



Introduction

STC Series liquid nitrogen containers are economical small and medium size liquid nitrogen containers for long term static state storage. STC Series include two types, large capacity and long shelf life. STC Series are made of high strength and lightweight aluminum alloy. There is multilayer superior performance thermal insulation inside. Various accessories are optional. Mainly apply to animal husbandry and laboratories.

Features

- High strength and light-weight aluminum construction
- Ultra-low evaporation loss
- Numbered index location points for canisters(optional)
- Mobile roller bases (optional)
- Lock able lid
- Straw storage
- LN2 pump (optional)

Specification

Item	STC 2/35	STC 3/50	STC 6/50	STC 10/50	STC 15/50
Number of Canisters	3	6	6	6	6
Number of Straws (0.5ml)	165	792	792	792	792
Number of Straws (0.25ml)	330	1788	1788	1788	1788
Liquid N2 Capacity(L)	2	3	6	10	15
Static Evaporation(L/D)	0.08	0.12	0.12	0.12	0.11
Static Holdover time(Day)	24	26	52	86	134
Neck Diameter (mm)	35	50	50	50	50
Overall Height(mm)	428	435	482	552	591
External Diameter (mm)	204	223	300	300	394
Canister Diameter(mm)	25	38	38	38	38
Canister Height (mm)	120	120	120	120	120
Weight Empty (KG)	2.6	3.1	4.8	5.9	8.5
Weight Full (KG)	4.2	5.6	9.7	14.1	18.2

Specification

Item		STC 13/50L	STC 20/50 STC 20/50L	STC 20B/50	STC 25/50 STC 25/50L	STC 30/50 STC 30/50L
Number of Canisters		6	6	6	6	6
Number of Straws (1-Level Canister)	0.5ml	—	792	792	792	792
	0.25ml	—	1788	1788	1788	1788
Number of Straws (1-Level Canister)	0.5ml	1284	1284	1284	1284	1284
	0.25ml	2832	2832	2832	2832	2832
Liquid N2 Capacity(L)		13	20	20	25	31.5
Static Evaporation(L/D)		0.12	0.12	0.20	0.14	0.12
Static Holdover time(Day)		108	166	101	180	254
Neck Opening		50	50	50	50	50
Overall Height(mm)		623	672	672	700	705
External Diameter (mm)		310	394	394	394	462
Canister External Diameter(mm)		38	38	38	38	38
Canister Height (mm)		276	120/276	120/276	120/276	120/276
Weight Empty (Kg)		6.3	9.5	9.5	10.7	12.9
Weight Full (Kg)		16.7	22.3	22.3	30.7	38.1

Specification

Item		STC 30B/50	STC 30/80L	STC 30/125	STC 35/50 STC 35/50L	STC 35B/80	STC 35/80L
Number of Canisters		6	6	6	6	6	6
Number of Straws (1-Level Canister)	0.5ml	792	—	—	792	2244	—
	0.25ml	1788	—	—	1788	5022	—
Number of Straws (1-Level Canister)	0.5ml	1284	3624	9048	1284	3624	3624
	0.25ml	2832	8460	19944	2832	8460	8460
Liquid N2 Capacity(L)		31.5	31.5	31.5	35.5	35.5	35.5
Static Evaporation(L/D)		0.2	0.21	0.35	0.12	0.30	0.12
Static Holdover time(Day)		159	147	90	286	119	286
Neck Opening		50	80	125	50	80	50
Overall Height(mm)		705	710	705	750	753	750
External Diameter (mm)		462	462	462	462	462	462
Canister External Diameter(mm)		38	63	97	38	63	38
Canister Height (mm)		120/276	120/276	120/276	120/276	120/276	120/276
Weight Empty (Kg)		12.9	13.1	12.9	14.2	14.5	14.2
Weight Full (Kg)		38.1	38.3	38.1	42.2	42.5	42.2

Specification

Item		STC 35/125 STC 35/125L	STC 47/127L	STC 47/127T STC 47/127TL	STC 50B/50 STC 50B/50L	STC 50B/125
Number of Canisters		6	6	10	6	6
Number of Straws	0.5ml	5124	—	8540	792	—
(1-Level Canister)	0.25ml	11640	—	19920	1788	—
Number of Straws	0.5ml	9048	9048	15080	1284	9048
(1-Level Canister)	0.25ml	20760	19944	33240	2832	19944
Liquid N2 Capacity(L)		35.5	47	47	50	50
Static Evaporation(L/D)		0.41	0.36	0.36	0.23	0.45
Static Holdover time(Day)		86	130	130	213	110
Neck Opening		125	127	127	50	125
Overall Height(mm)		748	718	718	811	818
External Diameter (mm)		462	508	508	462	462
Canister External Diameter(mm)		97	104	72	63	97
Canister Height (mm)		120/276	120/276	120/276	120/276	120/276
Weight Empty (Kg)		14.6	15	15	15.2	15.4
Weight Full (Kg)		43.0	53.54	55.6	55.4	56.2

Accessories

1. 600mm Liquid Level Ruler
2. 1000mm Liquid Level Ruler
3. LN2 Dispenser

