

## LN<sub>2</sub> Self-pressurized Supply Tank

### Scope of Application

Use the pressure generated by the gasification of a small amount of liquid nitrogen in the tank and release the liquid nitrogen automatically to supplement for other containers. It is widely used in animal husbandry, medicine, semiconductor, food, cryogenic chemical industry.

### Key Features



#### SS304 Structure

Anti-corrosion, easy to clean and durable for long term use.



#### Multi Capacity Option

8 models available from 30- 500L.



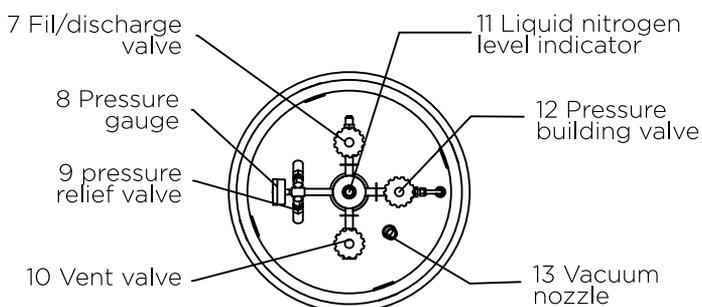
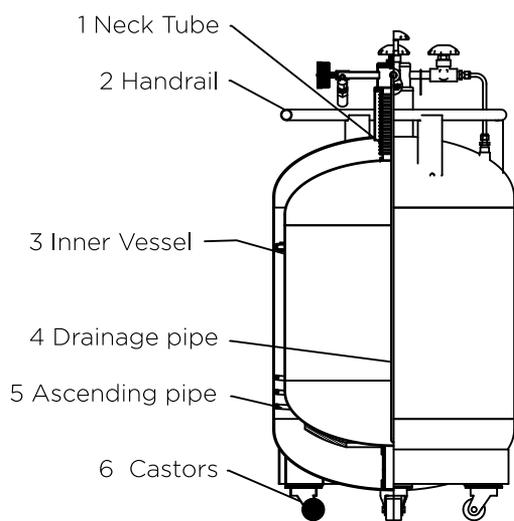
#### Humanized Design

All models configurate with castors for convenient movement.



#### Advanced Technology

Digital display of liquid level and double safety valve design, safer to use.



## Technical Parameters



Model	YDZ-30	YDZ-50	YDZ-100	YDZ-150	YDZ-200	YDZ-230	YDZ-300	YDZ-500
<b>Performance</b>								
Volume of LN <sub>2</sub> (L)	30	50	100	150	200	230	300	500
Static Evaporation Rate*(L/D)	0.75	1	1.2	1.8	2.2	2.5	3	5
LN <sub>2</sub> Output (L/Min)	≥5 L/Min	≥5 L/Min	≥5 L/Min	≥5 L/Min	≥10 L/Min	≥10 L/Min	≥10 L/Min	≥10 L/Min
<b>Dimensions</b>								
Overall Diameter (mm)	404	455	556	656	656	656	806	958
Height (mm)	850	960	1120	1110	1280	1580	1410	1500
Empty Weight (kg)	28	39	61	85	97	137	143	208
Full Weight (kg)	29	40	62	86	98	138	144	209

\* 1. Standard working pressure 0.05; 2. Maximum working pressure 0.09; 3. First stage safety valve relief pressure 0.099; 4. Second stage safety valve release pressure 0.15; 5. Pressure gauge range 0-0.25.

## Product List

YDZ Series	Accessory	Model	Description	Notes
YDZ	Self-pressurized Filling tank	YDZ-30	Includes single-layer transfusion hoses (ZG-DN10/1.5) and float-type liquidometer	Standard
		YDZ-50		
		YDZ-100		
		YDZ-150		
		YDZ-200	Includes single-layer transfusion hoses (ZG-DN10/2.0) and float-type liquidometer	
		YDZ-230		
		YDZ-300		
		YDZ-500		
Digital display level gauge	SX-01	Digital display real time liquid nitrogen level of self pressurized tank, low power consumption battery, without wireless transmission	Optional	
	SX-01S	Digital display real time liquid nitrogen level of self pressurized tank, 24V power supply, wireless transmission and RS485 data communication		