



Snosko Single Wall Tank

Features + Order Form

A plug and play multi-role tank system Load, store and unload chemicals

snosko.com

Snosko Single Wall Tank Features

Snosko Single Walled Tanks are designed to maximise the life of storage equipment used to store corrosive chemicals.

- Manufactured from corrosion resistant engineered plastics.
- Available in vented to atmosphere configurations or sealed configurations (pressures up to ±10kPa)
- Sloping and conical bottoms are available as per request to allow for full drainage of the medium inside.
- Engineering drawings are provided for review and approval prior to manufacture.
- Available with a range of customisations, making them ideal for ANY workplace involved with corrosive chemicals.
- Designed to suit Australian operating environments for ambient temperatures, wind, and earthquake loading. This includes rated lifting lugs and rated hold down points.

Rated anchor claws (for wind and earthquake), vents and lifting lugs



Flat bottom polyethylene grade HDPE tanker filled storage tank



68kL Sloping bottom black HDPE grade PE100 process tank



3D design conception to construction

Specifications

- Capacities from 1,000L to 85,600L
- Sheet, nozzles, and welding rod all made from the homogenous grade material
- Designed as per DVS guidelines
- All tanks hydrotested prior to dispatch
- All lifting devices labelled with SWLs

- Hold down points rated to specified earthquake and wind conditions
- Vents designed as per API2000

Material

- All wetted components to be thermoplastic (HDPE grade PE100, PP-H, U-PVC)
- All steel components to be either hot dip galvanised or stainless steel grade 316

Installation Standards

The Snosko Single Wall Tank can form part of a compliant solution with reference to the standards listed.

Note that there are items beyond the scope of the tank system which end users need to put in place to ensure the overall system is compliant with these standards.

- AS1170 Structural design actions
- AS3780 The storage and handling of corrosive substances
- AS1319 Safety signs for the occupational environment
- AS1657 Fixed platforms, walkways, stairways & ladders

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Chemical Specifications

Name

Concentration

Maximum flow rate in/out

Operating **Temperature**

Internal Pressure

Tank Size Required ²	³ – Flat bottomed tank
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tration %	1.1 SG grade Suitable for:	1.1	Grad tick • 1.7		Volume (L) ⁴	Internal Diameter (mm)	Overall Diameter (mm)	Cylinder Height (mm)	Overall Height (mm)
ng ature _{°C}	Potable waterWastewaterDilute acids				1,000 2,300	≈928 ≈1,218	≈1,080 ≈1,370	1,500 2,000	≈1,800 ≈2,300
e _{kPa}	and bases				5,000	≈1,804	≈1,970	2,000	≈2,350
Leave blank if vented to atmosphere	1.7 SG grade Suitable for			N/A	7,700 10,200	≈1,818 ≈2,570	≈1,980 ≈2,740	3,000 2,000	≈3,350 ≈2,400
im flow out	up to: • 37% HCl				12,500 18,000	≈2,510 ≈2,784	≈2,318 ≈2,990	3,000 3,000	≈3,375 ≈3,400
allows for the vent to be sized as per API2000	 50% NaOH 78% H₂SO₄ 				25,200 32,700	≈3,500 ≈3,768	≈3,298 ≈4,000	3,000 3,000	≈3,425 ≈3,475
	Hypo grade ¹				42,100	≈4,270	≈4,500 ≈4,500	3,000	≈3, 4 73 ≈3,500
Suitable for up to: • 13% NaOCl ₃		N/A	N/A N/A	56,500 71,100	≈4,270 ≈4,270	≈4,500 ≈4,500	4,000 5,000	≈4,500 ≈5,500	
	• 13% NaOCl ₃		N/A	N/A	77,000	≈4,270	≈4,500	5,400	≈5,900

Nozzles and Access Hatch Requirements

Select the types and quantities required⁵

	Nozzle style							
Nozzle Size	Galvanised Flange ^{5,6}	316SS Flange ^{5,6}	Plastic Flange ^{5,6}	FBSP/MBSP spigot				
Wall & roof nozzles								
d20 (0.5") – d50 (1.5")								
d63 (2") – d110 (4")								
d125 (5") – d160 (6")				N/A				
d180 (6") – d250 (10")				N/A				
d280 (10") – d355 (14")			N/A	N/A				
d400 (16") – d500 (20")			N/A	N/A				
d250 – d600 Flanged roof manhole	N/A	N/A		N/A				
d250 – d600 Threaded roof inspection hatch	N/A	N/A		N/A				
d630 – d800 Flanged wall manhole	N/A	N/A		N/A				

¹Sodium hypochlorite can cause stress cracks based on operating specifications, please contact Snosko for further information.

² The sizes listed are for ambient temperatures with Region A wind loads. Region B, C and D are also available, please contact Snosko for further information.

³Custom dimensions are available, please contact Snosko for further information.

⁴ Nozzle placement and base style (flat, sloping, and conical) will reduce the effective volume of the tank.

⁵Gaskets and bolts are not supplied unless otherwise stated.

⁶ Flanged nozzles to have ANSI150 flange patterns (with exception of manholes). Alternate styles can be provided on request.

Optional tank components

Select any combinat	ion from the followin	ig with a 🗸 c	or a 🗙.		
1 Base style	Flat Sloping	Conical		٥	8 Mc
	Circle required style	;	Incline angle		No
2 Anchor Plates For wind and se					9 Ac Pro
	vel indicator (dual or Information Form	,)		
Ultrasonic level sensor with visual display See Level Sensor Information Form for options					Addit Additio
5 Fill pipe With isolation v	alve, drain valve and	drip collect	or (2 inch)		
6 Overflow drop	oper pipe				
Roof access platform Not shown for clarity	latform	Removable	e Welded (f	ixed)	
	Circle requ	uired style		lf you r feel fre	

lounted dosing cabinet ot shown for clarity. See Dosing Panel Form for options

cid mist separator (Not shown)

ovide details for size and absorption media selection

Maximum inflow rate

tional Requirements

onal items can be added as per request, please provide details.

Please fill and send to info@snosko.com

require assistance filling out this form, or have any queries feel free to call +61 (0)431 042 890 or visit snosko.com



Snosko is the market leader in the design and supply of chemical dual containment systems.

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