



# PROFESSIONAL UNFIRED PRESSURE VESSEL MAKER

## INTRODUCTION

A sending tank, or feed/storage tank, is a vessel used to store and send fluids to industrial processes, including chemical, oil, powder and gas, water treatment, and food and beverage industries. Its primary function is to provide a controlled flow of fluid to other equipment or processes as needed.



**CUSTOMIZED SOLUTION**



**DOSH APPROVED DESIGN**

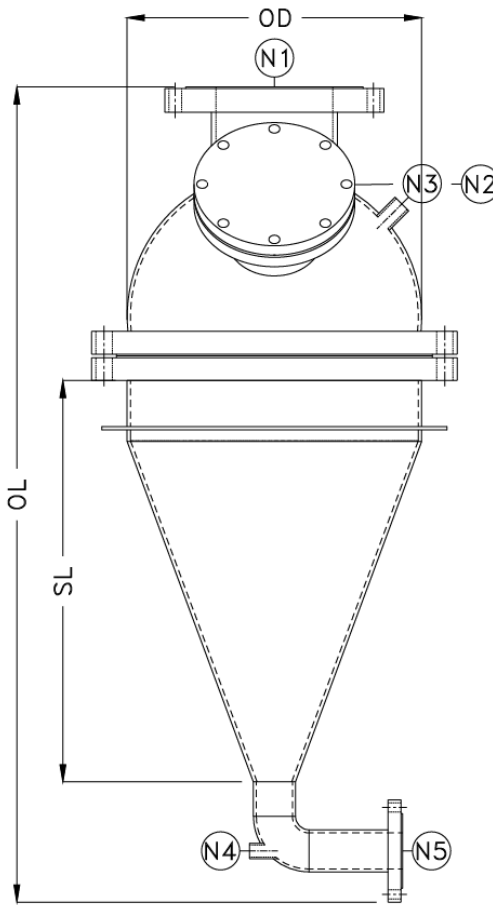
## SENDING TANK

### NOZZLE DESCRIPTION

- \*N1 - INLET
- \*N2 - INLET
- N3 - INSTRUMENT
- N4 - INSTRUMENT
- \*N5 - OUTLET

**(\*) ~ COMPULSORY NOZZLE**

Please note that every nozzle position is customizable and outlet/spare nozzle can be added on upon request.



**2D SKETCH**



**3D ILLUSTRATION**

**NOTE**  
OD - OUTSIDE DIAMETER (CUSTOMIZABLE)  
SL - SHELL LENGTH (CUSTOMIZABLE)  
OL - OVERALL LENGTH (CUSTOMIZABLE)

Please note that shell length and shell diameter are both customizable depending on the end user's site requirement.



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## SPECIFICATION

### KEY BENEFITS

- **Buffer Storage:** Temporarily store fluids to ensure constant supply during high demand.
- **Prevention of System Overload:** Protect downstream equipment from over-pressurization and excess flow.
- **Energy Efficiency:** Optimize pump operation, reducing energy demand and costs.
- **Improved Process Control:** Balance supply to meet fluctuating fluid demands effectively.

**DESIGN CODE**  
ASME SECTION VIII DIVISION 1  
BS EN 13445

**DESIGN PRESSURE**  
150 PSI / 10 BARG,  
300 PSI / 20 BARG,  
600 PSI / 40 BARG,  
1160 PSI / 80 BARG, or  
customs.

**MATERIAL**  
SA-516 70 (Carbon Steel)  
SA-240 304 (Stainless Steel)  
SA-240 316 (Stainless Steel)

**DESIGN TEMPERATURE**  
100°C / 373.15 K,  
200°C / 473.15 K,  
customs.

### LEGENDS

OD - Outside Diameter  
SL - Shell Length  
OL - Overall Length

MODEL NO.	VOLUME (L)	OD (MM)	SL (MM)	OL (MM)
ST-100	100	457.2	700	< 1500
ST-150	150	457.2	1000	< 1500
ST-200	200	508.0	1000	< 1500
ST-250	250	508.0	1280	< 2000
ST-300	300	558.8	1300	< 2000
ST-350	350	558.8	1310	< 2000
ST-400	400	609.6	1310	< 2000
ST-450	450	609.6	1380	< 2000
ST-500	500	660.4	1450	< 2500
ST-550	550	660.4	1650	< 2500
ST-600	600	660.4	1700	< 2500

## CONTACT

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