

# PROFESSIONAL UNFIRED PRESSURE VESSEL MAKER

## INTRODUCTION

A condensate return system is a storage vessel used to collect and store condensate, which is the liquid formed when steam or vapor cools and condenses. A condensate tank is a crucial component in various industrial systems, particularly those involving steam and refrigeration processes.



**CUSTOMIZED  
SOLUTION**



**DOSH  
APPROVED  
DESIGN**



## CONDENSATE RETURN SYSTEM

### 3D ILLUSTRATION



### KEY BENEFITS

- Energy efficiency.
- Water Conservation.
- Operational Flexibility.
- Improved Equipment Longevity.

### Applications

- A condensate system is a crucial components in steam based operations that collect returns condensate from various points in the system back to the boiler.

**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.



ENGINEER ☒ DESIGNER ☒ FABRICATOR ☒

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## SPECIFICATION

### CONTACT

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

**DESIGN PRESSURE**  
150 PSI / 10 BARG,

**DESIGN TEMPERATURE**  
99°C / 373.15 K,  
customs)

### MATERIAL

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

### NOZZLE

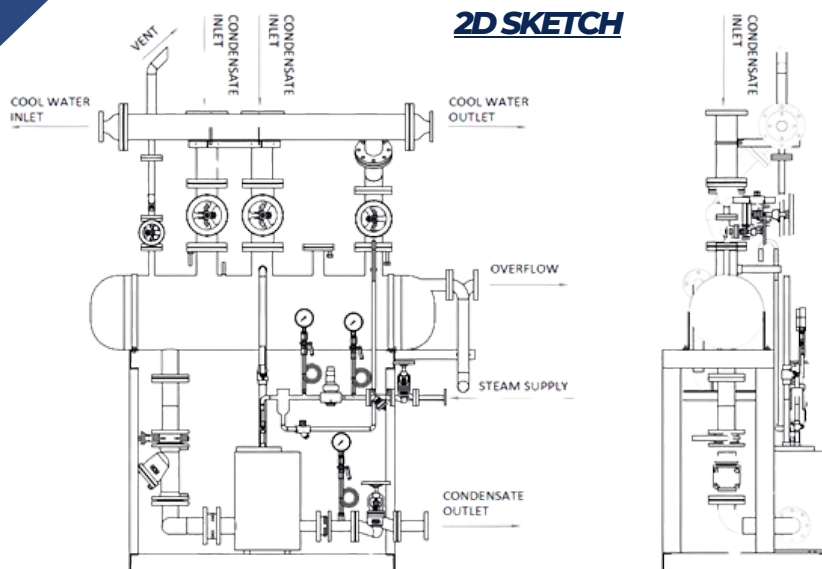
#### DESCRIPTION

- STEAM SUPPLY
- CONDENSATE INLET
- CONDENSATE OUTLET
- OVERFLOW
- COOL WATER INLET
- COOL WATER OUTLET
- VENT

### CONDENSATE PUMP FEATURES

- Automatic operation adapts automatically to condensate level
- Robust, durable design
- Works without electricity
- Float operated

### 2D SKETCH



Model	Capacity (kg/Hr.)	Vol. (L)	Condensate Tank	
			Dia. (mm)	S.L. (mm)
CRS-1000	1000	1000	450	2000
CRS-3000	3000	3000	1250	2500
CRS-5000	5000	5000	1500	3000
SIZE IS CUSTOMIZABLE UPON REQUEST				

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

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