

Efficient & Robust Condensate Recovery Pump

Online Easy Maintenance
Long Lasting
Highly Efficient



* Design Registration Application No: 357169-001

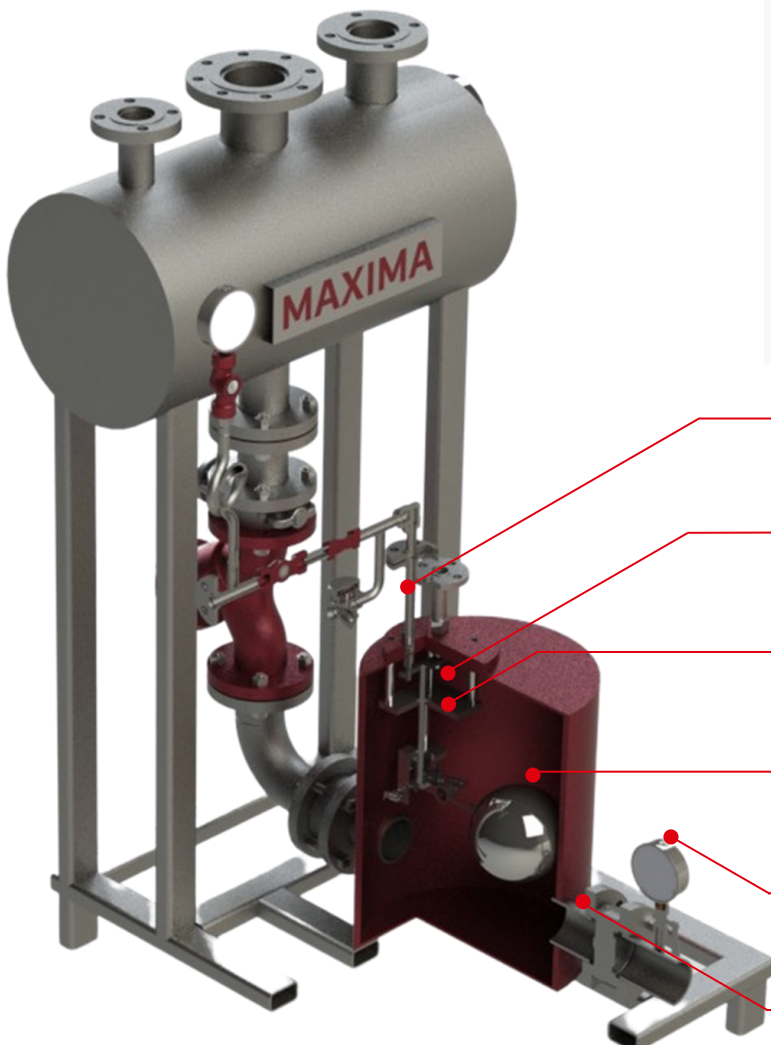
Features	Details	Benefits
External Maintainable Inlet & Exhaust Valves	<ul style="list-style-type: none"> Externally Fitted Inlet & Exhaust Valve Vacuum Tested Valves Specially Vacuum Hardened Seat and Valve 	<ul style="list-style-type: none"> Easy Online Maintenance Reduced Maintenance Time Zero Leak Valves Ensures Longer Life to the Valve and Seat
SS Mechanism	<ul style="list-style-type: none"> Entire Mechanism is in Stainless Steel All Pivot Pins & Linkages are Hardened & Ground Specially Designed for Minimising Friction 	<ul style="list-style-type: none"> SS Construction ensures Longer Life Reduces Friction & Increases Life due to Hardening Low Wear & Tear Ensures Longer Life
Inconel Spring	<ul style="list-style-type: none"> Highly Corrosion Resistant Doesn't Lose Strength at Elevated Temperature 	<ul style="list-style-type: none"> Highest Repeatability Longer Life
Seamless Float Design	<ul style="list-style-type: none"> Stress Free Float Increased Weld Penetration 	<ul style="list-style-type: none"> Ensures No Stress Corrosion Longer Float Life
SS Check Valves	<ul style="list-style-type: none"> Check Valves at Inlet and Check Valve at Outlet 	<ul style="list-style-type: none"> Inlet Check Valve Ensures No Reverse Flow to the System Outlet Check Valve Ensures No Back Pressure to the Pump
Outlet Pressure Gauge	<ul style="list-style-type: none"> Pressure Gauge Indicates Back Pressure on the Pump 	<ul style="list-style-type: none"> Helps in Trouble-Shooting the Pump Back Pressure Helps to Determine the Exact Capacity of the Pump

Specifications

Sizes	DN25, DN40, DN50, DN80
MOC	Carbon Steel
End Connections	Flanged #150, PN 16
Max Allowable Pressure	15 kg/cm ² (g)
Max Operating Pressure	10.5 kg/cm ² (g)
Max Allowable Temp.	400 Deg C
Max. Back Pressure	4 kg/cm ² (g)

Installation & Maintenance

- Condensate pump shall stand securely on level surface
- Check the flow direction of pump
- Connect the receiver inlet connection with mating flanges through flange gasket
- Check whether the vent of the receiver is open to the atmosphere
- Flush the line by draining the bottom drain valve to remove the debris from the existing lines
- Ensure that the outlet of the line is with minimum bends
- Give the motive connection with air/ steam supply
- Open the isolation valve slowly
- As soon as the valve is opened, the condensate from receiver is filled in pump & snapping action is observed, thereby raising condensate to feed water tank



External Maintainable Valve & Seat

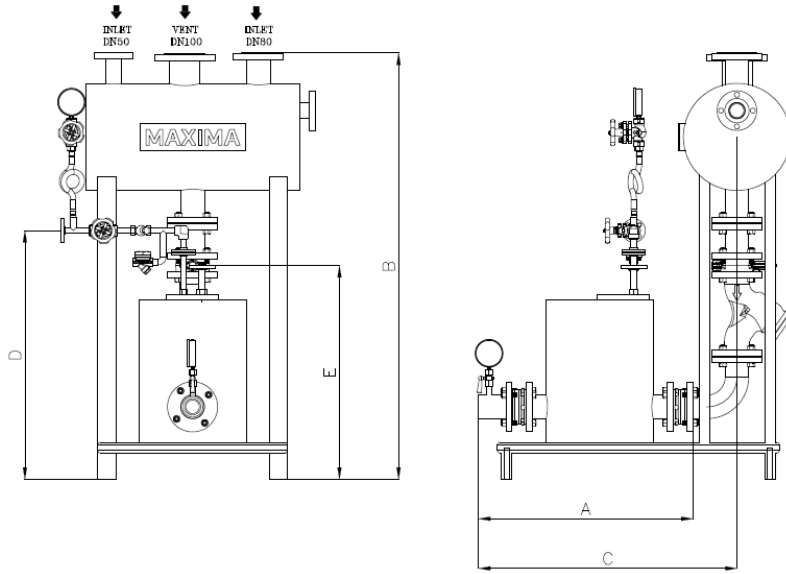
Stainless Steel Mechanism

Inconel Spring

Seamless Float

Outlet Pressure Gauge

SS Check Valve



Size (mm)	A	B	C	D	E
DN25 x DN25	815	1620	980	945	810
DN40 x DN40	815	1620	980	945	810
DN50 x DN50	815	1620	980	945	810
DN80 x DN80	815	1620	980	945	810

Discharge Capacity Chart

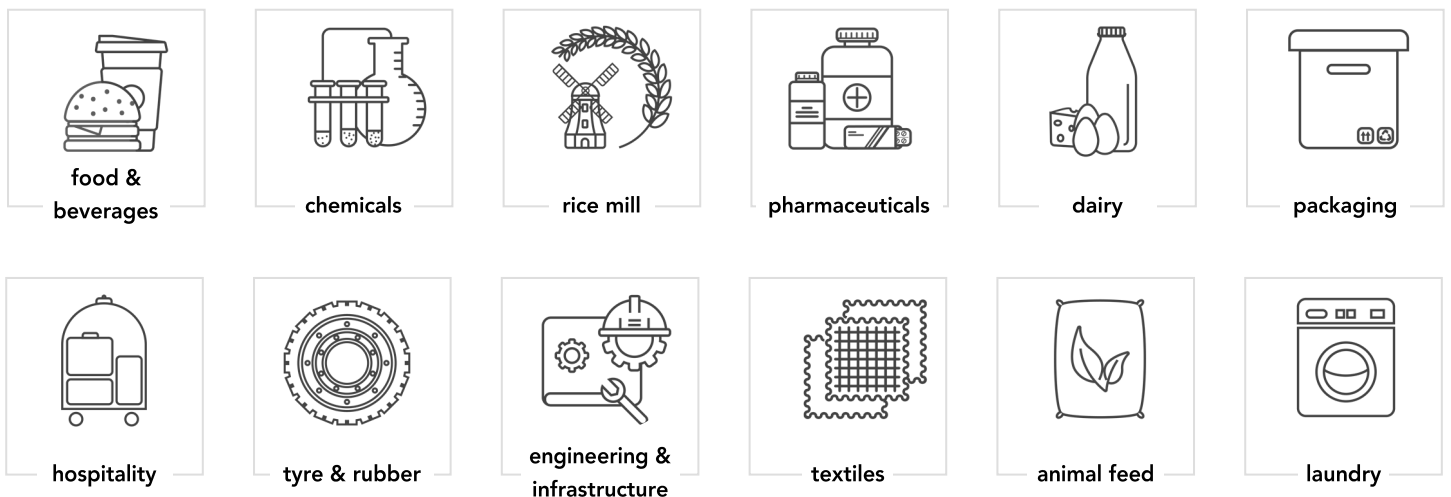
Motive Pressure kg/cm ² (g)	Back Pressure kg/cm ² (g)	Pump Size			
		Discharge Capacity (Kg/hr)			
		DN25 x DN25	DN40 x DN40	DN50 x DN50	DN80 x DN80
8.5	1	1285	2145	3525	6342
	1.5	1271	2100	3451	6140
	3	1258	2054	3375	5932
7	1	1244	2007	3297	5716
	1.5	1230	1958	3218	5492
	3	1216	1909	3136	5258
5.5	1	1202	1858	3053	5013
	1.5	1187	1805	2967	4756
	3	1173	1752	2878	4484
3	1	1158	1696	2787	4195
	1.5	1143	1638	2692	3883
	3	1128	1579	2594	3545

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Product Range

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Small Industrial Boilers	Thermodynamic Traps	Flash Vessel
Thermic Fluid Heaters	Piston & Globe Valves	Deaerator Head
Hot Water Boilers	Pressure Reducing Stations	Automatic Blowdown Systems
Waste Heat Recovery Boilers	Temperature Control Valves	Process Control Automation
Combination Boilers	Pipeline Accessories	Surplussing Valves
Steam Generators	Efficiency Monitoring System	Strainers
Boiler Accessories	Oxygen Analysers	Moisture Separators
Solid Fired Boilers	Vacuum Breakers	Disc Check Valves
Coil Type Boilers	Pumping Traps	Air Vents
Steam Accumulators	Condensate Recovery Systems	Steam Injectors

Industries Served



Maxima Steam Works

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