www.ecosysengineers.com

MAKE IN INDIA

ECOSYS

LET'S SAVE STEAM

WANT TO SAVE FUEL !!

Install ECO-CRS for Reducing the Boiler Fuel Consumption

PUMP WITH ZERO ELECTRICAL CONSUMPTION

STEAM | THERMIC | HOT WATER | PROCESS & BOILER AUTOMATION

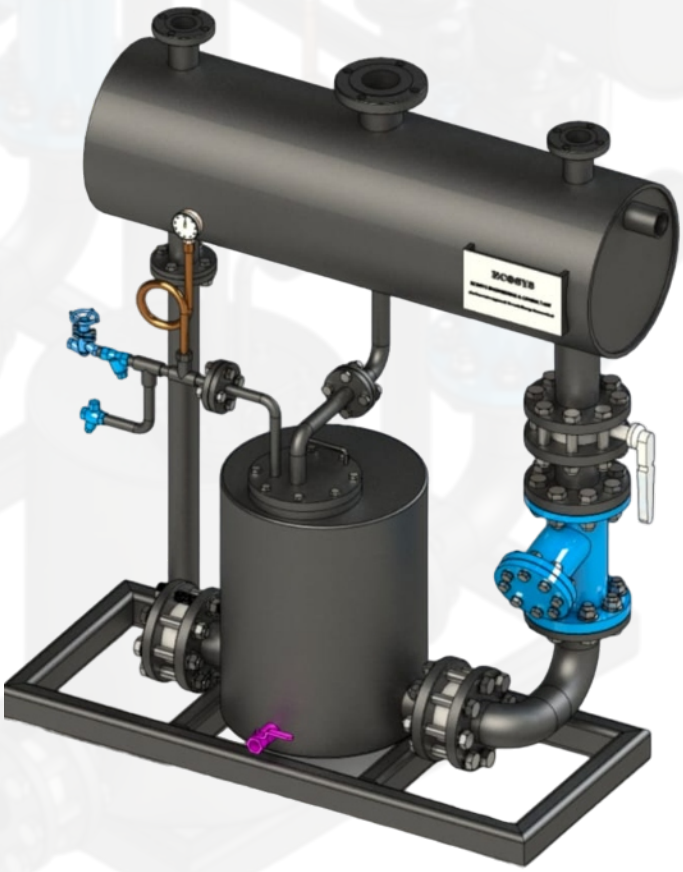
ECO - CONDENSATE RECOVERY SYSTEM (ECO- CRS)

The Eco - Condensate Recovery System (Eco- Crs) is a positive displacement pump system operated by Air/Steam,designed to pump the Hot Condensate at 100Deg'C without any electrical consumption.

LimitingConditions:

Maximum Design Pressure = 9barg
Maximum Design Temperature = 220Deg'C
Operative Inlet Motive Pressure = 3 to 8 barg
Steam Consumption = 3kg of steam /Ton of Condensate Pumped
Air Consumption = 22 SCF / Ton of Condensate Pumped

Flash Seperator Vessel



Simplex CRS pump
(MOC - CAST STEEL BODY with Internals Ss304)

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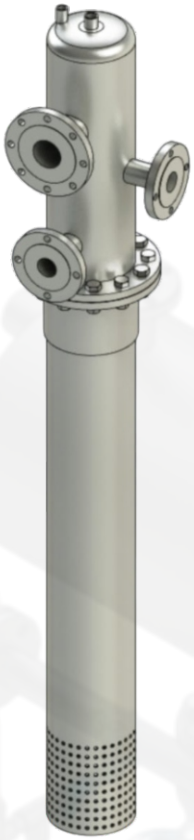

Atmospheric DEAERATOR Head
(MOC - COMPLETE SS 304)

Duplex CRS pump (High capacity)
(MOC - CAST STEEL BODY with INTERNALS Ss304)

	MOTIVE AIR				
Pressure (bar g)			Capacity (kg/hr)		
Motive	Back	DN25	DN 40	DN 50	DN 80
6	1	11 19	2535	41 55	5925
	2	10 10	2260	4030	5710
	3	950	2190	3810	5265
	4	550	186 0	3560	4210
5	1	1050	2490	4190	5700
	2	910	2310	4020	5460
	3	825	2075	3930	4465
4	0.5	980	2010	3750	5225
	1	905	1970	3410	4750
	2	745	1830	3010	4205
3	0.5	810	1 935	3100	4385
	1	750	187 0	2890	41 85

	MOTIVE STEAM				
Pressure (bar g)			Capacity (kg/hr)		
Motive	Back	DN25	DN 40	DN 50	DN 80
6	1		2250	3900	5525
	2		2140	3870	5310
	3		2010	3620	5065
	4		18 00	3200	4010
5	1		21 50	3870	5200
	2		2010	3760	51 60
	3		1980	3130	41 65
4	0.5		1930	3590	4925
	1		1900	3380	4550
	2		17 70	2920	4105
3	0.5		1890	2810	4085
	1		1810	2590	3985

AUTO PUMPING TRAP (E-APT)

To overcome stalling situation and to enhance the heat transfer efficiency, it is advised to install ECOSYS Automatic Pumping Trap (E-APT).
ECOSYS APT is a device having the combined features of a conventional steam trap as well as a pump. In situation where the pressure of the condensate approaching APT is suitably high, then the delta pressure inside this APT will facilitate this device to perform as a mere conventional trap only.

However under stalling conditions where the delta pressure inside APT drops below 0.5 kg/cm2(g), this APT is automatically switched over to pumping mode. During this mode, the motive port opens up to allow motive steam to enter in APT resulting in to immediate pumping of the condensate at elevated place.

Sizes-25NBX25NB, 40NBX40NB, 50NBX50NB
All Internals in SS ensure no corrosion & Longer Life
BODY MOC - Cast Steel

Installed Base	Pumps Condensate at	Eco CRS capacity range
>500	≥100°C	500kg/hr to 18,000 kg/hr

ECOSYS ENGINEERS & CONSULTANT

AN INNOVATIVE APPROACH TOWARDS ENERGY CONSERVATION

ECOSYS
LET'S SAVE STEAM

Manufacturing & Regd Office : Plot No-27, Gangapur road, Near SIDCUL Pantnagar, Rudrapur (U.K) | MSME Reg. no- UK12D0004708

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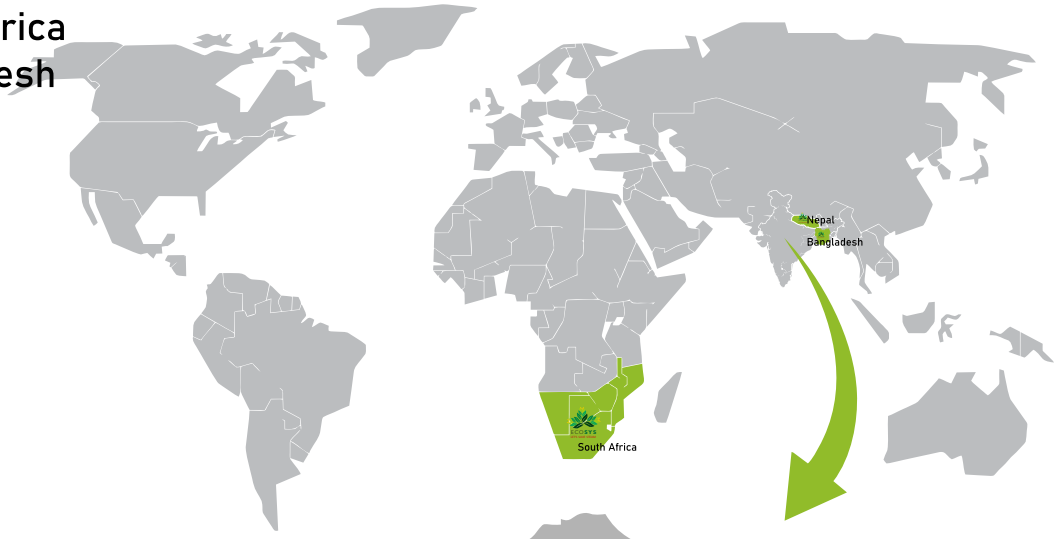
SCAN ME

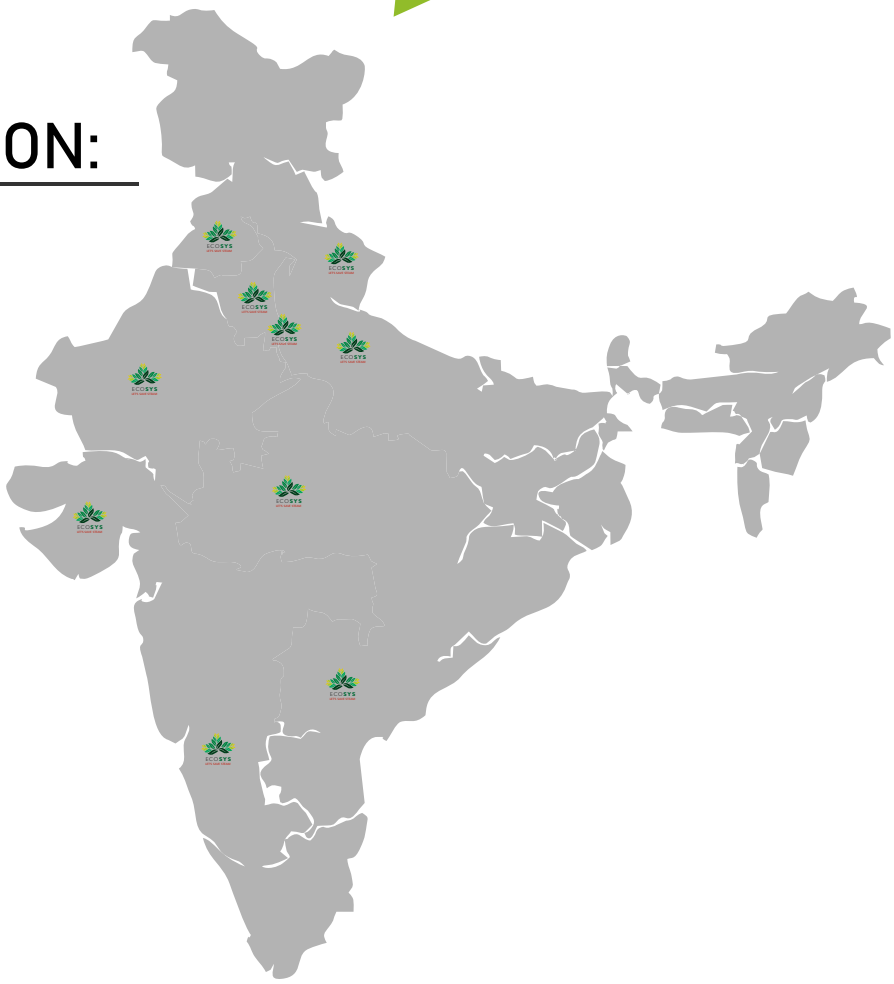
OUR PRESENCE OUT OF INDIA INSTALLATION:

- Nepal
- South Africa
- Bangladesh



IN INDIA INSTALLATION:

- UP
- UK
- PUNJAB
- HARYANA
- WEST BENGAL
- DELHI
- KARNATAKA
- ANDRA PRADESH
- GUJARAT
- RAJASTHAN
- MP



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