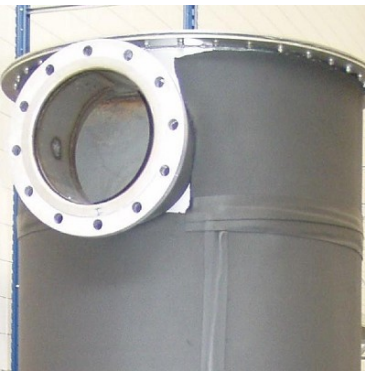


Biogas cooler

# T ST BIO

Biogas heat exchanger dehumidifier



Main technical characteristics:

T ST BIO heat exchangers are designed for the biogas cooling and dehumidification before engine. Pipes are welded on plate pipe. Wide diameter tube for easy cleaning.

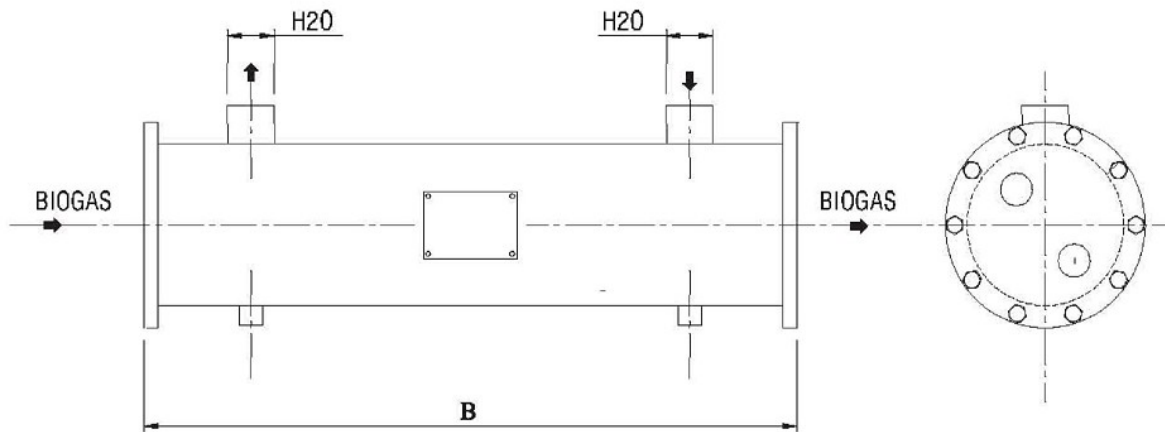
The shell made of carbon steel is supplied complete of connections for the anti/freeze solution. Headers are not scheduled, because the shell is connected directly to the pipages that arrive from the digester to the condensate separator and to the blower.

The materials used in standard realisation are:

- plate pipe in AISI304 or AISI316,
- hydraulic shell and connections made of carbon steel,
- heat exchange tubes in AISI316,
- diaphragms in compatible material with the used fluids.



# T ST BIO



Model	Capacity		Flowrate		Connection		Dimension	
	kW	HP	H <sub>2</sub> O + EG (kg/hr)	BIO (kg/hr)	H <sub>2</sub> O (FPT)	BIO (DN)	B (mm)	INTERASSE (mm)
BIO 150	7,3	9,7	4,3	150	1/2"	200	2000	1850
BIO 300	11	14,6	8,5	300	1"	250	2000	1850
BIO 450	15,5	21	12,7	450	1"	250	3000	2850
BIO 600	21	28	18,9	600	1"1/2	300	2500	2350
BIO 750	28	37	21,2	750	1"1/2	300	2500	2350
BIO 1000	41	54	28,3	1000	2"	300	2500	2350
BIO 1250	57	76	35,4	1250	2"	400	2000	1850

Le potenze nominali si riferiscono alle seguenti condizioni: biogas: in 37°C u,rel, 100%, out 3°C, FF 0,000088 m<sup>2</sup> K/W, Acqua +30°/°Eg: in 0°C, out 2°C  
Capacity at conditions: biogas: in 37°C, out 3°C rel-hum 100%, FF 0,000088 m<sup>2</sup> K/W, Water +30°/° EG : in 0°C, out 2°C, FF 0,000088 m

Dati soggetti a possibili modifiche / Data subject to possible changes