

WASTE HEAT RECOVERY BOILERS

● **Reliable**

● **Efficient**

● **Eco-Friendly**

It's not just about saving fuel in a boiler, even your process may be such that it includes furnaces, kilns where a large proportion of heat after combustion of fuel gets wasted as a dry flue gas loss.



DAA Waste Heat Recovery Boilers are designed to recover heat from waste flue gases from DG exhaust, Furnace exhaust etc. to produce steam or hot water based on the application requirements of the plant.

KEY POINTS TO CALCULATE HEAT RECOVERY-

1. TYPE OF FUEL AND ITS COMPOSITION PROPERTY TRENDS
2. AMOUNT OF EXHAUST GASES LEAVING PER HOUR IN Kg/Hr OR Nm³/Hr
3. THE TEMPERATURE OF FLUE GASES AT THE EXHAUST IN
4. THE PROCESS WHERE YOU WANT TO UTILIZE THIS WASTE HEAT.



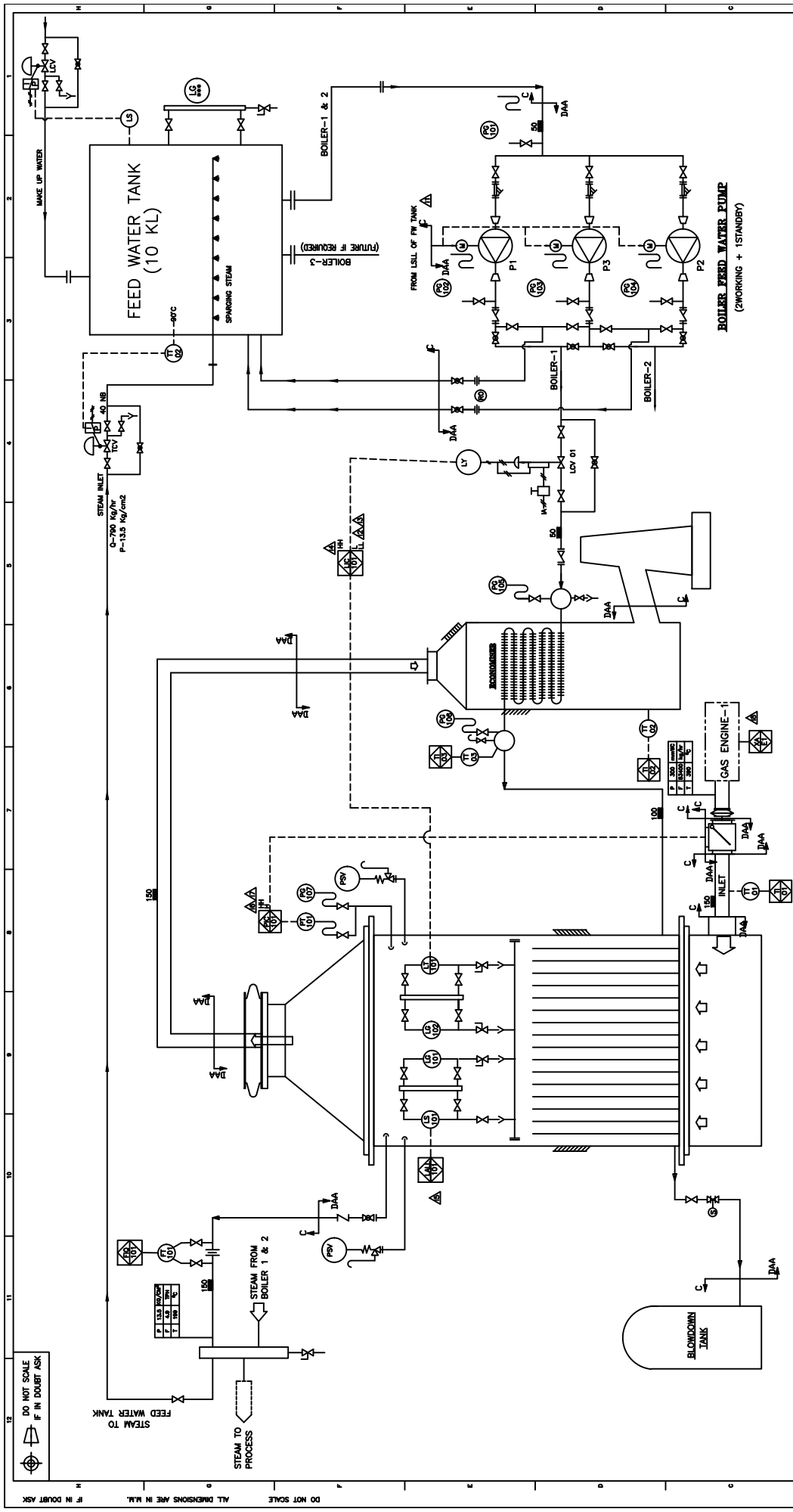
TECHNICAL AND DESIGN ADVANTAGES OF DAA WASTE HEAT RECOVERY BOILER

1. Highly reliable in operation and robust in construction.
2. One time investment with lifetime returns.
3. No combustion, no emission, hence eco friendly.
4. Energy being put to use, which was getting wasted anyway.

APPLICATIONS OF WASTE HEAT RECOVERY BOILER

1. Steam Generation using waste heat.
2. Hot Water Generation including pre heating boiler feed water.
3. Can be installed on DG/Engine Exhaust.
4. Other heating or pre heating for industrial processes.





NOTE - POWER CABLE & INSTRUMENT CABLE WITH CABLE TRAY IN CLIENT SCOPE.

PROJECT TITLE TYPICAL P&ID FOR MEDICAL WASTE HEAT RECOVERY BOILER		CLIENT DAA Boilers, 17/38 Monk Bendopadhyay Sarani, Kolkata 700040.	
PROJECT LOCATION NA		SCALE : HRS : MIN : SEC : MS : N/A	
PROJECT NO. NA		CONTRACT NO. NA	
DATE NA		NO. OF UNITS NA	
DESIGNED BY SM		CHECKED BY RB	
APPROVED BY DB		DRAWING NO. DAA/GL/22-23	
REVISION 0		REASON NA	

NO.	REV.	DATE	DESCRIPTION
1	0		ISSUED FOR APPROVAL
2	0		ISSUED FOR MANUFACTURE
3	0		ISSUED BY

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NOTES:-

C - CLIENT SCOPE

DAA - DRAUGHT ASSOCIATES SCOPE

FIRST DAA P - PRESSURE T - TEMPERATURE F - FLOW D - DRAFT	SECOND DAA A - ALARM C - CONTROLLER HH - HIGH HIGH LL - LOW LOW S - SWITCH T - TRANSMITTER NO - OFFICE SS - SELECTOR SWITCH	CLIENT SCOPE SAFETY VALVE PARALLEL SLIDE VALVE COCK BALL VALVE GATE VALVE GLOBE VALVE NON RETURN VALVE Y STRAINER AIR FILTER AIR FILTER REGULATOR CONTROL VALVE CONTROL VALVE (ON/OFF)	DRAUGHT ASSOCIATES SCOPE LOCAL PANEL MOUNTED INSTRUMENTS FIELD INSTRUMENT MOUNTED INSTRUMENTS MOTOR HANDWHEEL ACCUMULATOR EXP. JOINT MOISTURE SEPARATOR
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CONTROL & INTERLOCKS

TRIP/NO.	STRIP/NO.	DESCRIPTION	ACTION
1	1.3.101	FEED WATER FLOW LOW	STOP BOILER PUMP P.1, P.2 & P.3
2	1.3.102	FEED WATER LEVEL HIGH	STOP BOILER PUMP P.1, P.2 & P.3
3	1.3.103	FEED WATER LEVEL LOW	STOP BOILER PUMP P.1, P.2 & P.3
4	1.3.104	FEED WATER TEMPERATURE HIGH	STOP BOILER PUMP P.1, P.2 & P.3
5	1.3.105	FEED WATER TEMPERATURE LOW	STOP BOILER PUMP P.1, P.2 & P.3
6	1.3.106	FEED WATER PRESSURE HIGH	STOP BOILER PUMP P.1, P.2 & P.3
7	1.3.107	FEED WATER PRESSURE LOW	STOP BOILER PUMP P.1, P.2 & P.3
8	1.3.108	FEED WATER PH	STOP BOILER PUMP P.1, P.2 & P.3
9	1.3.109	FEED WATER PH	STOP BOILER PUMP P.1, P.2 & P.3
10	1.3.110	FEED WATER PH	STOP BOILER PUMP P.1, P.2 & P.3

DO NOT SCALE IF IN DOUBT ASK

ALL DIMENSIONS ARE IN M.M. DO NOT SCALE

Key Features

Steam Capacity	1000 Kg/Hr - User Defined
Thermal Capacity	500 KW - 10 MW and Above
Operating Pressure	15 Bar(g) and Above
Efficiency	85% - 92%

Contact Us

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