



Scandinavian Boiler Service

WASTE HEAT ECONOMIZER



24hrs. Worldwide Support Number +1 954 767 0309 • www.sbs-international.com

Waste Heat Recovery Economizer after Auxiliary Engines

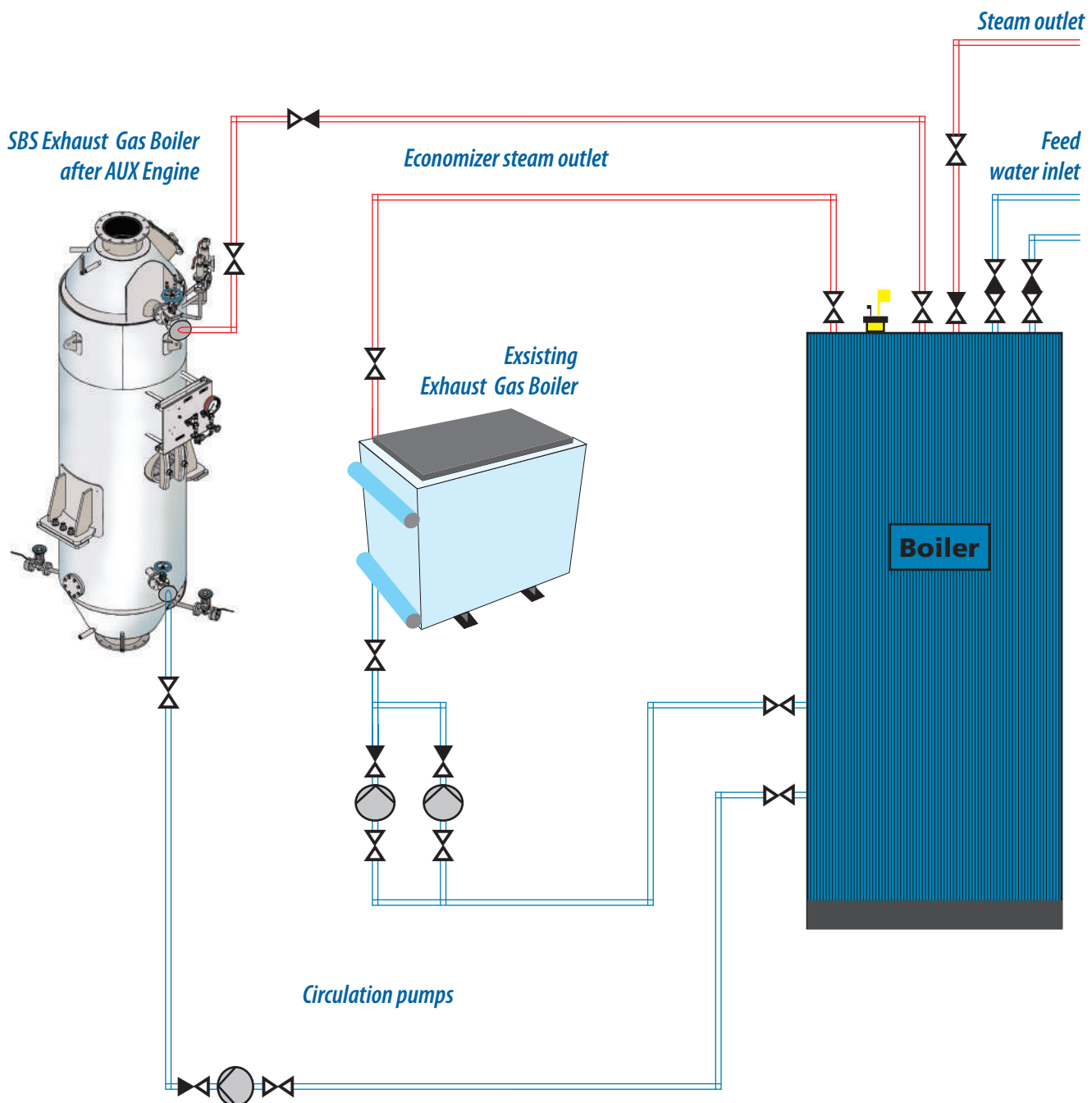
Auxiliary engine waste heat has not been considered in the past, but it actually contains a large amount of energy. Energy that can be utilized supplementing steam requirement during port stay and – for some vessels – also during voyage. This significantly helps reducing oil consumption on the oil fired boiler.

To ensure the most advantageous design, the economizer will be tailor made to the individual ship and engine specification with due consideration of existing uptake, back pressure, etc.

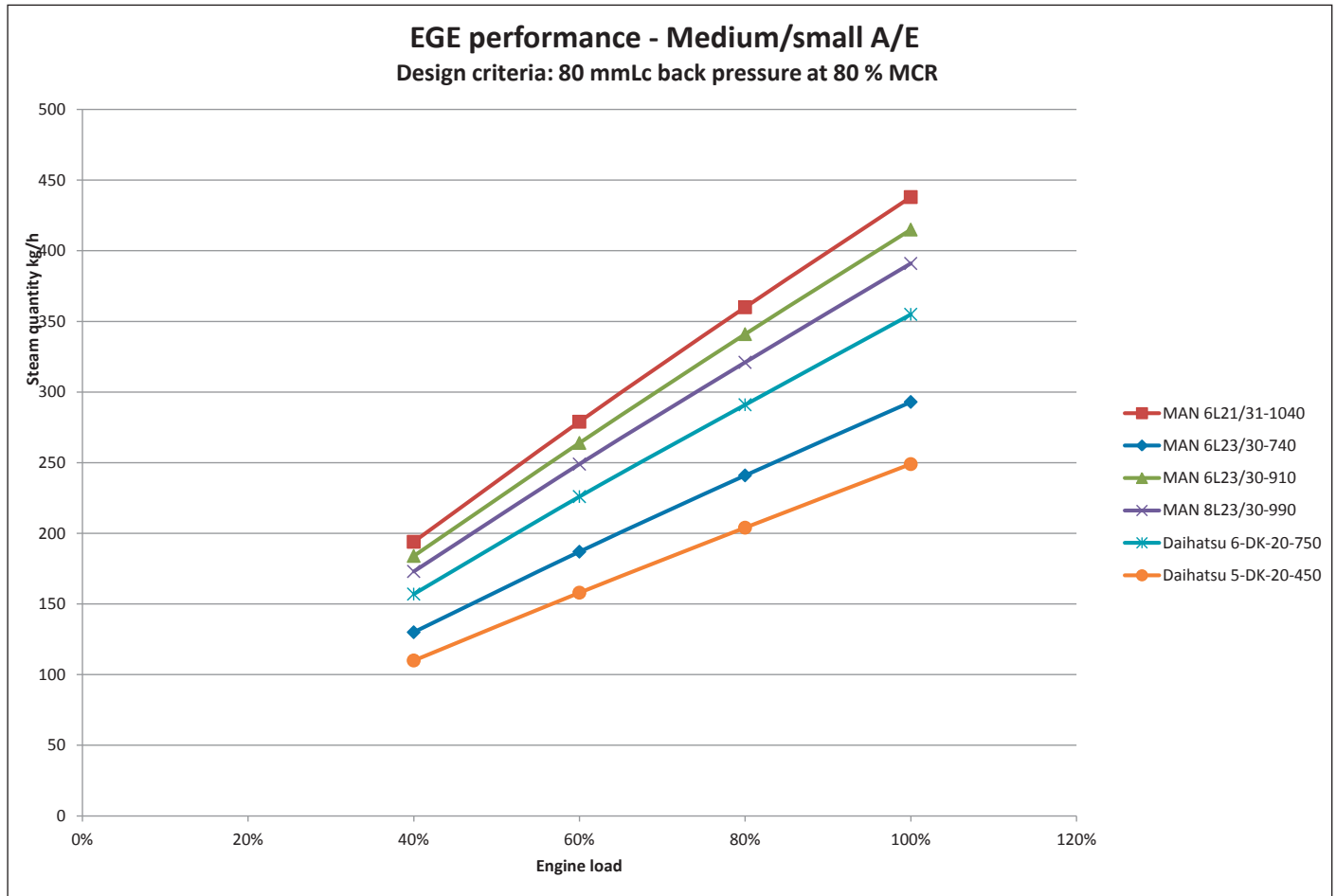
The economizer is produced in two designs, one requiring steam space in another boiler (e.g. in existing boiler) and one that has its own steam space.

This new product will provide operational savings while improving the green image and environmental profile of the ship and the company.

Connection of waste heat economizer after AUX engines



Example of savings in kg/h fuel at 80% MCR:



From Man 6L21/31–1040 A/E 360 kg/h steam can be produced, which equals to 28 kg/h fuel.

Classification	ABS	Class
Steam capacity NCR ISO	1245	kg/h
Working pressure	7	bar
Set pressure of safety valve	9	bar
Design pressure	9	bar
Hydr. test pressure	13,5	bar
Dry weight	6500	kg
Water volume	3	m ³
Pressure drop gas side NCR ISO	119,6	mWG
Inlet gas temp. from EGE NCR ISO	354	°C
Outlet gas temp. from EGE NCR ISO	220,4	°C
Exhaust gas flow NCR ISO	21000	kg/h

FINISH: _____ DEBUR AND BREAK SHARP EDGES

NAME	SIGNATURE	DATE
DRAWN: ONA		05.12.2012
CHK'D		
APP'VD		
MFG		
Q.A		

MATERIAL: _____ WEIGHT: _____

DO NOT SCALE DRAWING REVISION

Exhaust marine gas boiler.
Type: SBS AE Type 1.

DWG NO. **127574-001** A4

SCALE: 1:30 SHEET 1 OF 1

From Man 6L32 installed on 8000 TEU container vessel can be produced 1245kg/h steam, which equals 96 kg/h fuel.



Scandinavian Boiler Service

We keep You operational



Your global Partner

EUROPE

CROATIA

+385 51 684 755
projects@sbs.hr

DENMARK

+45 7027 1000
sbs@sbs-eu.com
repair@sbs-asia.com

AMERICA

FLORIDA, USA

+1 954 763 7375
sbs@sbs-us.com

repair@sbs-asia.com

ASIA

SINGAPORE

+65 6767 0200
sbs@sbs-asia.com

repair@sbs-asia.com

CHINA

NANTONG

+86 513 8565 2711
sbs@sbs-china.com

repair@sbs-asia.com