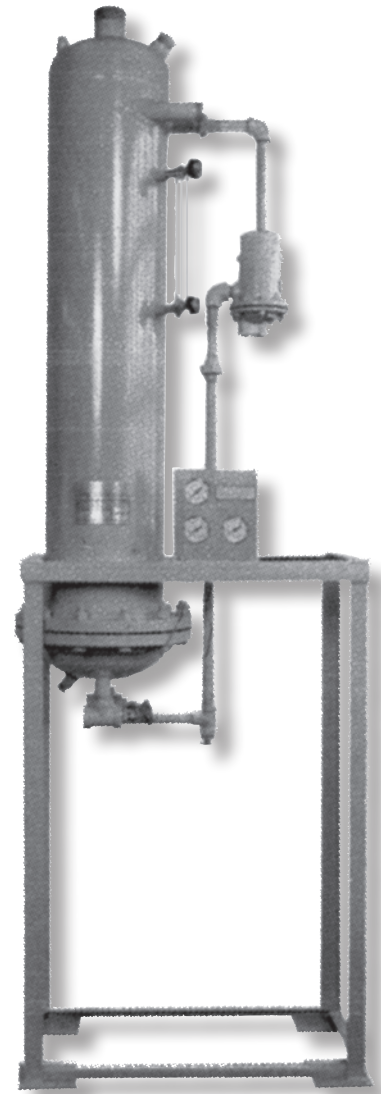


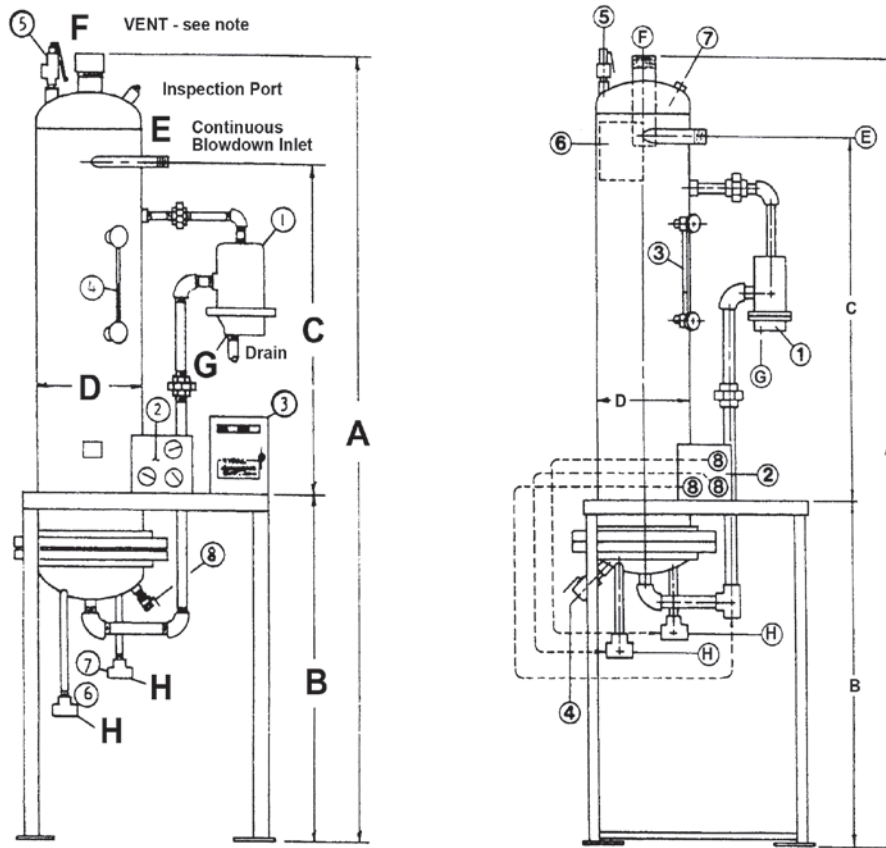
# Blowdown Heat Recovery System

## *Flash Economizer*

- Reduces dissolved solids from the top level of water in the boiler.
- Recovers heat from surface blowdown to heat boiler feed or make-up water.
- ASME Section VII code-stamped flash separator and coil.
- Separator is sized to accommodate a given percent surface blowdown/flow rate from boiler operating pressure to a given vent psig.
- Coil is sized to accommodate make-up flow rate at between 8 and 18 psig pressure drop.
- Model Range: HR-39 (3 GPM blowdown/9 GPM make-up) through HR-30150 (30 GPM blowdown/150 GPM make-up).
- Complete system configured to include: flash separator mounted above and flanged to a stainless steel or copper coil on stainless steel stand with trap, ball valve, gauge glass, safety valve, 3 thermometers and factory piping.
- Stainless steel striking plate standard.
- Flash separator flanged to coil section for ease of removal for cleaning.
- Openings to facilitate cleaning and inspection standard.
- Options include multiple boiler manifold and mounting of conductivity controller.



# Blowdown Heat Recovery System FLASH ECONOMIZER



## Specifications

MODEL	Blowdown Capacity GPM	Make-up Capacity GPM	Pressure Drop* PSI	A	B	C	D	E	F	G	H
HR-39	3	9	9	97	50	36	10	1	2-1/2	1	1
HR-315	3	15	9	96	44	44-1/4	8	1	2-1/2	1	3/4
HR-612	6	12	8	111	53	46	12	1-1/2	3	1	1-1/4
HR-630	6	30	10	110	49	50	10	1-1/2	3	1	3/4
HR-1020	10	20	13	106	50	44	16	1-1/2	4	2	1-1/2
HR-1050	10	50	10	100	44	42	16	1-1/2	4	2	1-1/4
HR-2040	20	40	18	140	67	62	18	1-1/2	6	2	2
HR-20100	20	100	10	140	67	62	18	1-1/2	6	2	1-1/2
HR-3060	30	60	15	172	76	85	18	1-1/2	6-8	2	1-1/2
HR-30150	30	150	18	132-1/2	67	53-1/4	24	1-1/2	6-8	2	2-1/2

\* Across water coil at maximum flow.

Constructed in accordance with ASME Code, Section VIII, Division 1, for MAWP of 150 PSIG.

Hydrostatic tested at 225 PSIG. Safety Relief Valve set at 150 PSIG.



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