

Stack Heat Recovery

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Cain Industries HX



GOLD & SILVER MINE,
Eskay Creek, British Columbia.
(3) Model HRSR-316A26CSP
Recovering Btu from (3) Caterpillar 3512,
900kW diesel engines.
Reducing each 870°F @ 2,100 SCFM to 417°F.
Raising 265 GPM 50% ethylene glycol from 187°F to 197°F.

Heat Recovery Silencer Axial

The HRSA design utilizes full counter flow heat transfer for achieving very low outlet exhaust gas temperatures. All stainless steel construction for specific condensing applications is available. The HRSA can be mounted vertically or horizontally as required. The HRSA with its light weight construction and cylindrical configuration lowers the exhaust from 1000°F to 300°F with a 25 dBA reduction while operating with natural gas or diesel fuel oil.



Heat Recovery Silencer Axial



HRSA SERIES FOR: COMPACT CYLINDRICAL DESIGN

Stainless or carbon steel fin tube coil: (optional fixed or removable, ASME stamping)

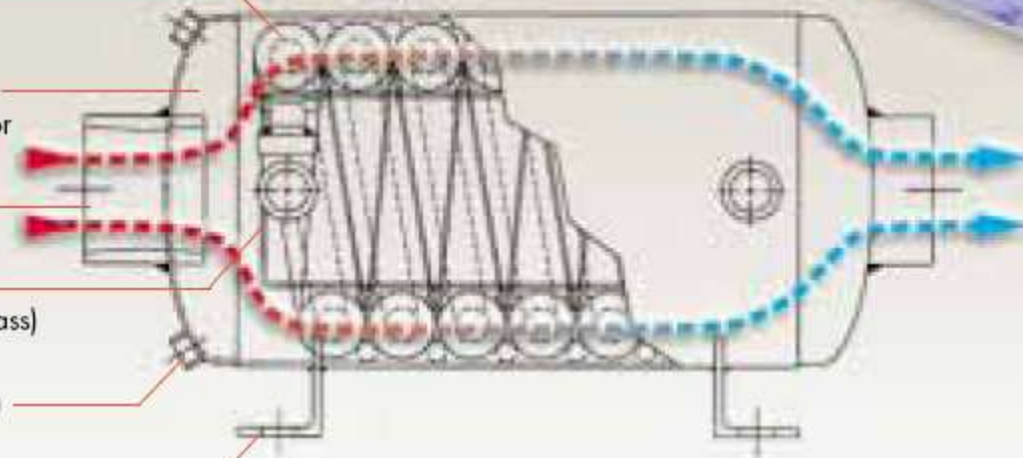
Carbon steel shell, .13" thickness. (optional stainless and/or factory insulation)

Exhaust connections: flange, butt, or NPT

Stainless steel diverter drum (optional internal exhaust bypass)

Condensate drain (vertical or horizontal position)

Mounting brackets for vertical or horizontal operation



Engine Exhaust Application

- Capacity: 15–150 kW
- Entering gas temps: 400–1,600°F
- Heat sink types: Engine jacket water, process water, boiler water, or ethylene glycol