

SENTRY DCCP REBOILER

Single Line Conditioning Modules

SAMPLE CONDITIONING

The Sentry® DCCP Reboiler is designed to optimize the analytical results for degassed cation conductivity. First, the panel uses an oversized heater and baffled vapor discharge chamber, which assures complete boiling and provides a steam blanket over the sample to eliminate any sample contamination that might occur due to discharge piping backflow. The vapor is then condensed and removed via a vent drain. After the sample is degassed, it is cooled with an additional sample cooler so that chemistry deviations in analyzer temperature compensation curves are reduced.

MODEL

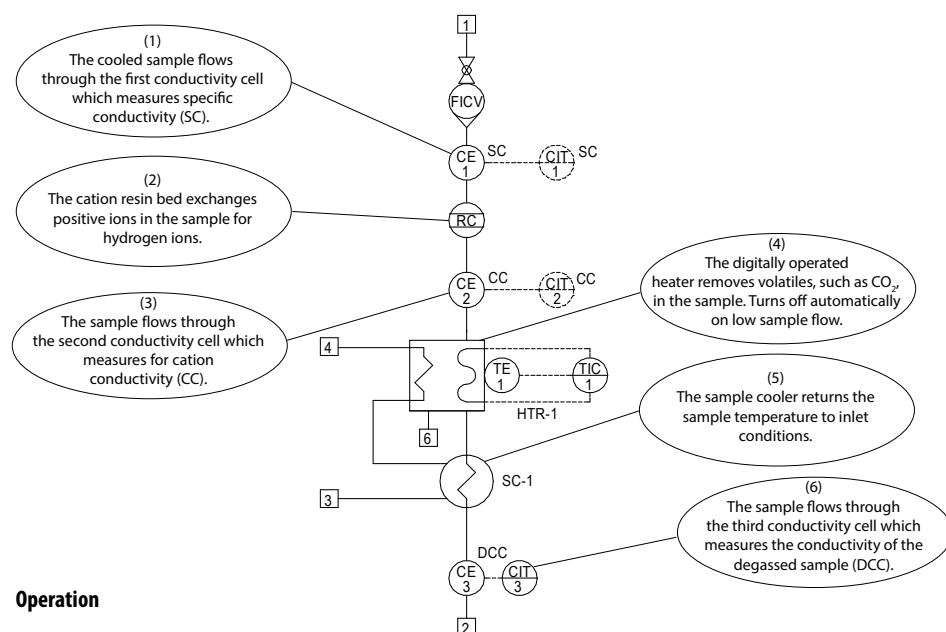
DCCP

BENEFITS

The Sentry DCCP reboiler is a complete panel that measures specific cation and degassed conductivity or any individual measurement needed. The custom analysis panels include degassed conductivity, dissolved oxygen (DO) and corrosion products sampling. The panel is designed to work with a wide variety of conductivity analyzers and provides simple and compact cycle chemistry validation.

FEATURES

- Capable of measuring specific conductivity (SC), cation conductivity (CC) and degassed cation conductivity (DCC)
- Regenerative cooling option (no cooling water)
- Operates in accordance with ASTM D4519
- Sample cooler ensures CC and DCC probes receive identical sample temperatures, eliminating errors
- Compact wall-mount design
- Surface mount, backplate option
- CE, SGS and CSA available



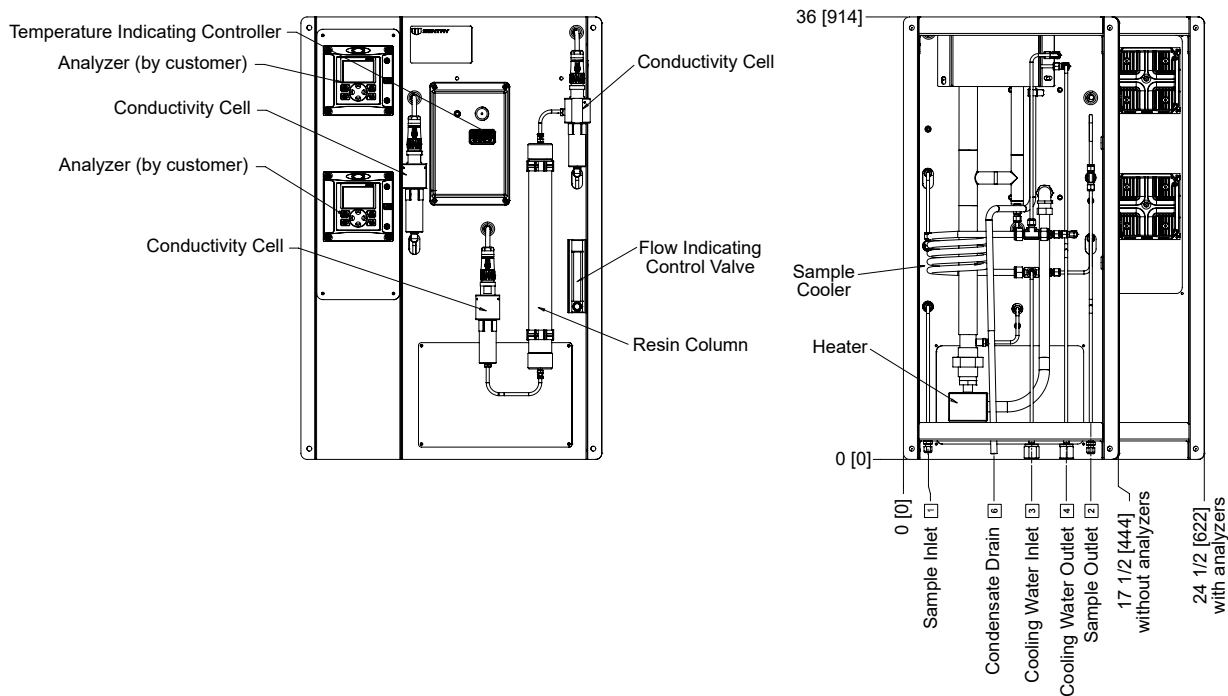
Operation



DCCP Reboiler with analyzer panel

Sample. Monitor. Measure.





SPECIFICATIONS

voltage	cell holders	flow indicator with valve	analyzers/probes
1 = 110–120 VAC, 1 ph, 50/60 Hz 2 = 220–240 VAC, 1 ph, 50/60 Hz	0 = None 1 = DCC 2 = CC & DCC (with RC-100) 3 = SC, CC & DCC (with RC-100)	0 = none 1 = yes	0 = customer supplied 1 = supplied by Sentry Equipment
dimensions	without analyzer side plate: 36 x 17.5 x 15 in (91 x 44.5 x 38 cm) with analyzer side plate: 36 x 24.5 x 15 in (91 x 62 x 38 cm)		
weight	61 lb (28 kg)		
pressure rating	100 psig (7 barg)		
temperature rating	130°F (54°C) with RC-100 before degas		
sample flow	100–200 cc/min		
sample inlet connection	1/4 in tube fitting		
sample outlet connection	1/4 in tube fitting		
sample cooler type	DTC-DCCP		
cooler cooling water connections	1/2 in FNPT		
cooling water consumption	0.2 gpm (0.8 Lpm) at 22°C (71.6°F)		
input power	110–120/220–240 VAC, 1 phase, 50/60 Hz		
power consumption	1.6 KVA		
cell holders (optional)	3/4 in FNPT, 316 SS		
resin column (optional)	Sentry RC-100		

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COMPANY WITH
QUALITY SYSTEM