



# 9525sc Degassed Cation Conductivity System

## Applications

- Power
- Steam Systems



## Simple to Integrate. Simple to Operate.

An integral part of a complete Power water analytics system, Hach®'s degassed cation conductivity (DCCP) system measures specific conductivity (SC), cation conductivity (CC), and degassed cation conductivity (DCC) and helps to reduce plant start-up time and distinguish between air and water contamination in UPW (Ultra Pure Water) cycles. This comprehensive approach saves you time on design, installation, training, maintenance, and operation.

### Reliable measurements

Hach's newly redesigned Degassed Cation Conductivity Analyzer efficiently removes CO<sub>2</sub> from the sample to deliver fast reliable results that save you critical time and effort.

### Space-Saving Design

Compact, wall mounted footprint to allow for easy integration into existing or new SWAS systems.

### Easy and Safe Handling

The new 9525sc requires no additional cooling water supply but instead allows for a regenerative cooling option and condenses the steam to allow for safe discharge via a vent drain.

## Technical Data\*

<b>Dimensions (H x W x D)</b>	Degas System and DCCP System: 914 mm x 622 mm x 380 mm (36 x 24.5 x 15 inches)
<b>Weight</b>	27.7 kg (61 lbs) for Degas System 50 kg (110 lbs) for DCCP System
<b>Power Requirements (Voltage)</b>	110 - 120 V AC
<b>Power Requirements (Hz)</b>	60 Hz
<b>Main Supply Voltage Fluctuation</b>	±10 % of nominal voltage
<b>Power Consumption</b>	1.6 k VA
<b>Operating Temperature Range</b>	Recommended operating temperature: 23 - 27 °C (75 - 80 °F)
<b>Ambient Temperature</b>	2 - 50 °C (36 - 122 °F)
<b>Storage Conditions</b>	0 - 50 °C (32 - 120 °F) 0 - 85 % relative humidity, non-condensing
<b>Cell Constant k</b>	0.01 cm <sup>-1</sup>
<b>Measuring Range Conductivity</b>	0.01 - 200 µS/cm

<b>Accuracy</b>	< 2%
<b>Power Requirements Controller</b>	100 - 240 V AC ±10 %, 50/60 Hz
<b>Enclosure Rating</b>	IP66 / NEMA 4X
<b>Flow</b>	100 - 150 cc/min (mL/min); 6 - 9 L/h
<b>Fitting Type</b>	Sample inlet/outlet connections: ¼ inch tube fitting
<b>Sample Cooler Type</b>	DTC-DCCP
<b>Cooling Water</b>	0.8 L/min (0.2 gpm)
<b>Certifications</b>	CE, UL, CSA

Detailed specifications for the system components are available on [hach.com](http://hach.com) & in the appropriate manuals:

SC200 Ultrapure Controller - DOC023.97.80040

8315 Conductivity Sensor - DOC023.97.80083

Conductivity Module for SC200 Ultra Pure Controller - DOC023.97.93060

*\*Subject to change without notice.*

## Principle of Operation

The Hach 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. This unit operates in accordance to ASTM D4519.

### Benefits:

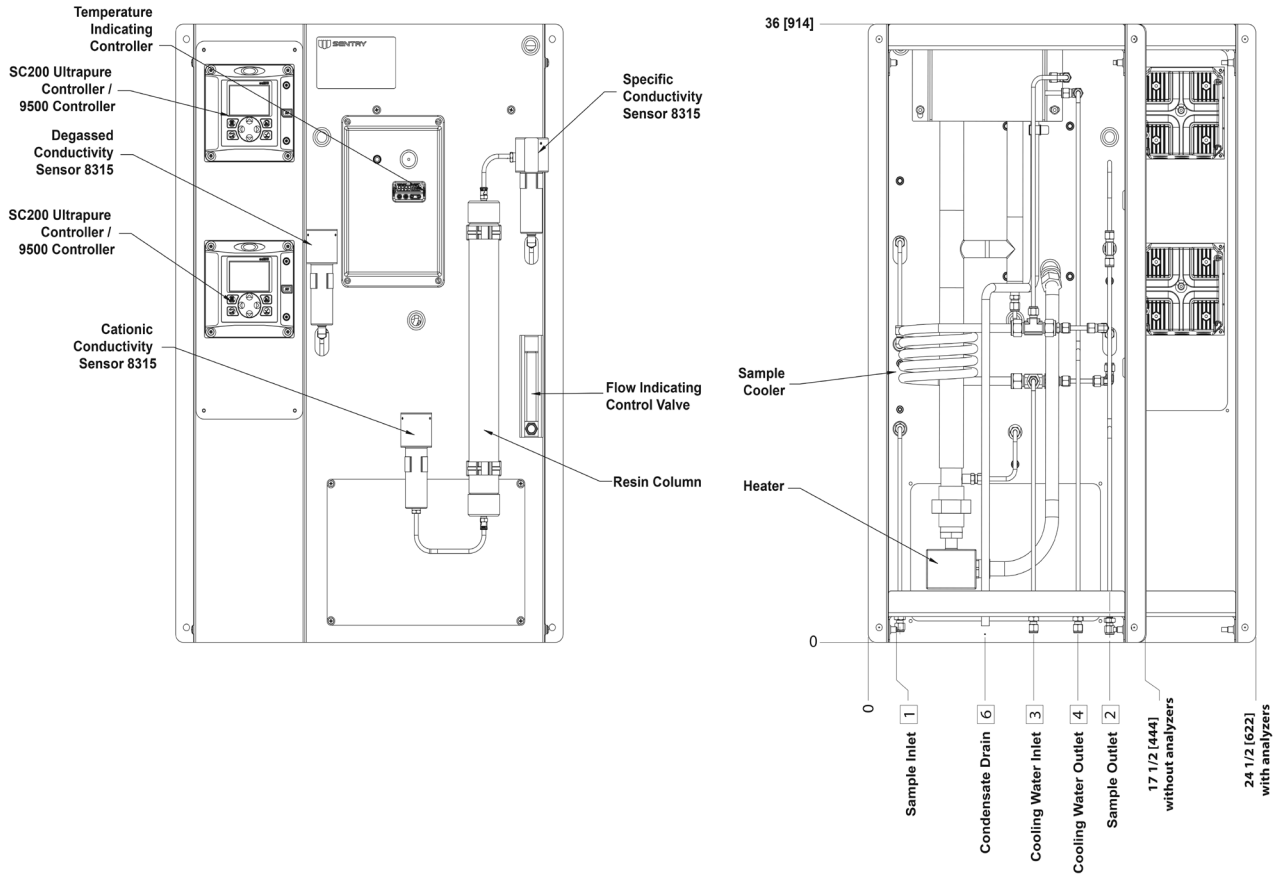
The Hach DCCP reboiler is a complete panel that efficiently removes CO<sub>2</sub> from the sample to measure degassed cation conductivity.

1. Capable of measuring (SC), Cation Conductivity (CC), Calculated pH and degassed cation conductivity (DCC)
2. No cooling water required with regenerative cooling option
3. Operates in accordance with ASTM D4519
4. Sample cooler ensures CC and DCC probes receive identical sample temperatures, eliminating errors

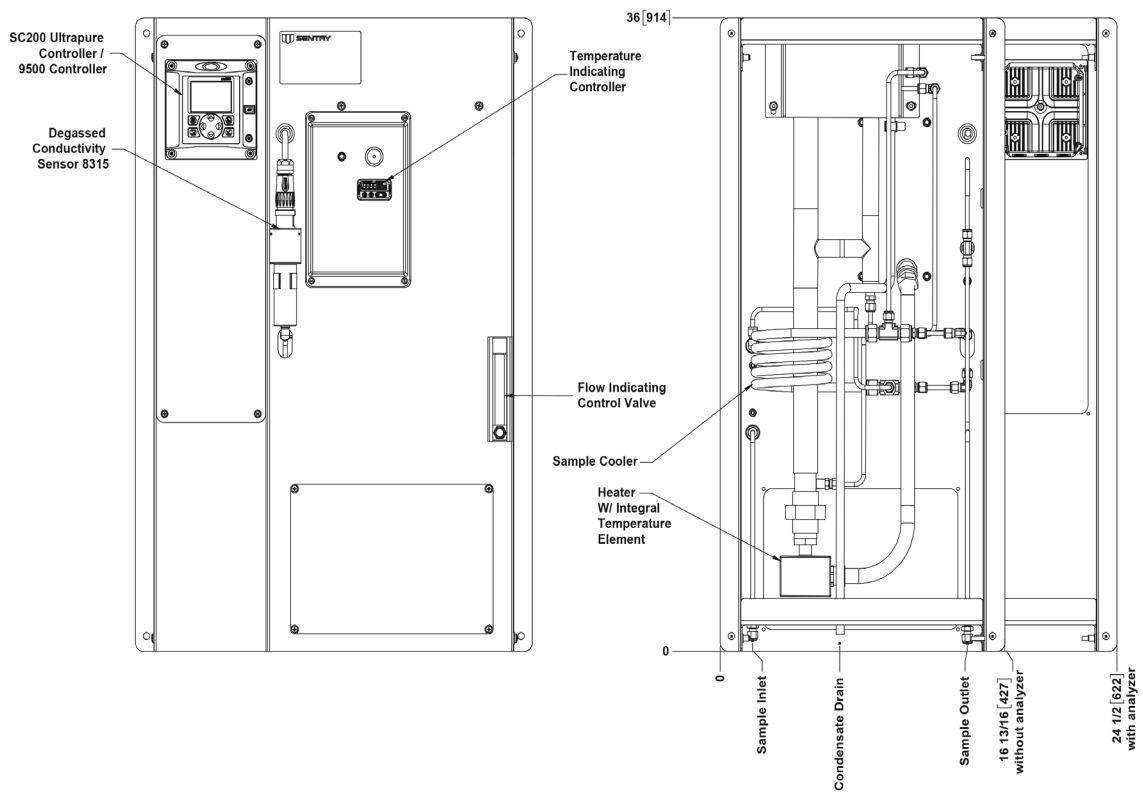
## Dimensions

In inches. Dimensions in [ ] are in millimeters.

Full system with all conductivities and standard cooling



Single degassed system with regenerative cooling



## Order Information

### Degas System

- 9525.99.0010DG** Hach 9525sc System, Degassed Conductivity only
- 9525.99.10CCDG** Hach 9525sc System, Specific Conductivity, Cation Conductivity, Calculated pH and Degassed Cation Conductivity
- 9525.99.0011** Hach 9525sc System, Degassed Conductivity only, with Regenerative Cooler
- 9525.99.10CCR** Hach 9525sc System, Specific Conductivity, Cation Conductivity, Calculated pH and Degassed Cation Conductivity, with Regenerative Cooler

### Accessories

- 9525.99.7030** Degas System Heater, 120 V
- 9525.99.7050** Degas Temperature Controller
- 9525.99.7060** Degas System Sample Cooler
- 4643600** Flow meter, 1.2 to 18 L/h, with ¼" OD tubing fittings
- 694=000=001** Adjustable flow meter, 0 to 16 L/h
- 8617600** Resin Column for 9525sc DCCP
- 8617700** Resin Column Refill Bag for 9525sc DCCP
- 8617800** Resin Column Refill Bulk for 9525sc DCCP, 18.9 L

### Hach Service

With Hach Service, you have a global partner who understands your needs and cares about delivering timely, high-quality service you can trust. Our Service Team brings unique expertise to help you maximize instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk.

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