



## DESCRIPTION

After subjecting the sample to boiling, releasing any gas what could be dissolved in sample, a cooling is performed at 25-35 ° C, and then the treated sample is introduced to a conductivity measurement cell. Atmospheric pressure compensation of boiling point is performed automatically, in order to carry out a correct sample degassing with minimum energy wasting.

Degassed cationic conductivity, is an important parameter for the boiler and turbine, most turbine manufacturers have specified that the value of the cation conductivity in the steam, must be below a certain limit of conductivity (less than 0.5  $\mu\text{S}/\text{cm}$ ), to avoid damage to the turbine.

## APLICATIONS

- Steam-water analysis systems.

## FEATURES

- Including all necessary components as a complete unit, just piping, plug-in and ready to use.
- Provide with necessary shell protection to prevent operators from hot injury.
- Compact wall mount design.
- Flow indication.
- Switch protection No Flow
- CE Marking.
- Designed to install the cationic resin column, the transmitter and the conductivity probes in the same plate.

The degasser DG-105, can be supplied with specific conductivity, cationic and degassed measurement with analyzers of any manufacturer.

It will be delivered fully integrated in the same plate.

## SPECIFICATIONS

<p>Max Pressure/Temp Rating: Sample Flow: Sample Connection: Drain Cooler Cooling Water Connect. (Only Opt. 1) Cooling Water Consumption (Only Opt. 1): Input Power: Power Consumption: Plate mounting : Enclosure Rating: Dimensions (HxWxD)</p>	<p>4 bar(g) / 50°C 80 - 250 ml /min. ¼" OD inlet / outlet. ½" NPTM ¼" NPT(f) 4 l/min 110-120/220-240 VAC, 50/60 Hz. 1.6 KVA Stainless steel IP66 / NEMA 4X 900 x 500 x 315 mm</p>
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## ORDERING INFORMATION

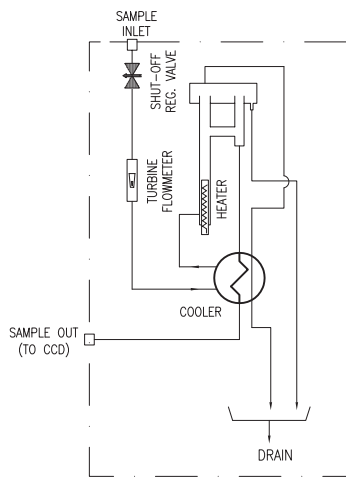
DEGASSED CATION CONDUCTIVITY	DG-105	--	--
<p><b>Sample Cooling</b> 0.- Self-cooled. 1.- Cooling water.</p>			
<p><b>Electrical supply</b> C.- 120 VAC 60 Hz D.- 230 VAC 60 Hz</p>			

***To integrate in the degassed the measurements of conductivity (degassed, degassed+cationic or degassed+cationic+specific), please contact at analyzer@manvia.com***

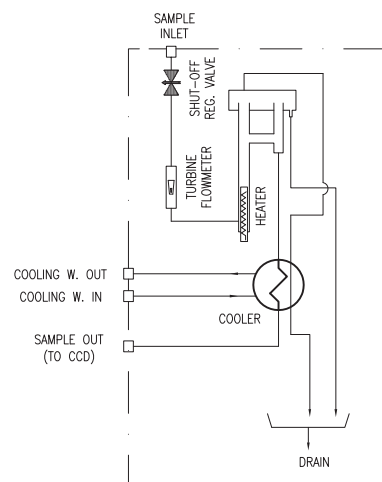
## SPARE PARTS

Part #	Name #
H1500-120	Heating Cartridge 120 VAC
H-1500-230	Heating Cartridge 230 VAC
RD-105	Solid State relay 110-230 VAC 50/60
STH-TXIH-2	Turbine
MV-PT105	Temperature sensor

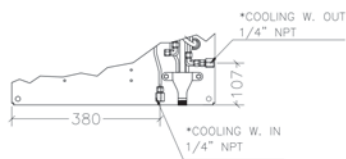
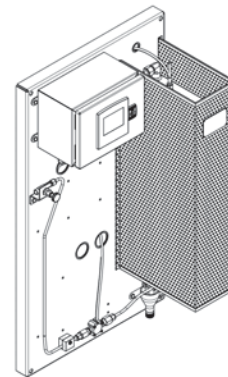
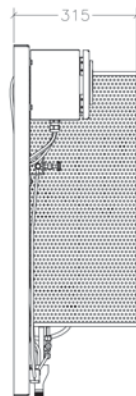
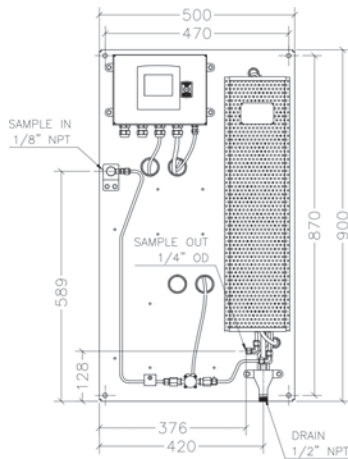
**DRAWINGS**



SELF COOLED OPTION



COOLING WATER OPTION



\*ONLY IN COOLING WATER OPTION