DATASHEET - ALL THERMOPLASTIC ACID COOLING UNIT

WHY COOL ACIDIC SOLUTIONS?

High ambient temperatures are experienced in many countries and these elevate acidic solutions such as Sulphuric Acid electrolyte in the Lead Acid battery industry.

THIS LEADS TO:-

- Evolution of corrosive fumes during filling
- Accelerated chemical reactions
- Distortion of thermoplastic battery casings

These can lead to welfare and production challenges such as batteries jamming in conveyor belts.

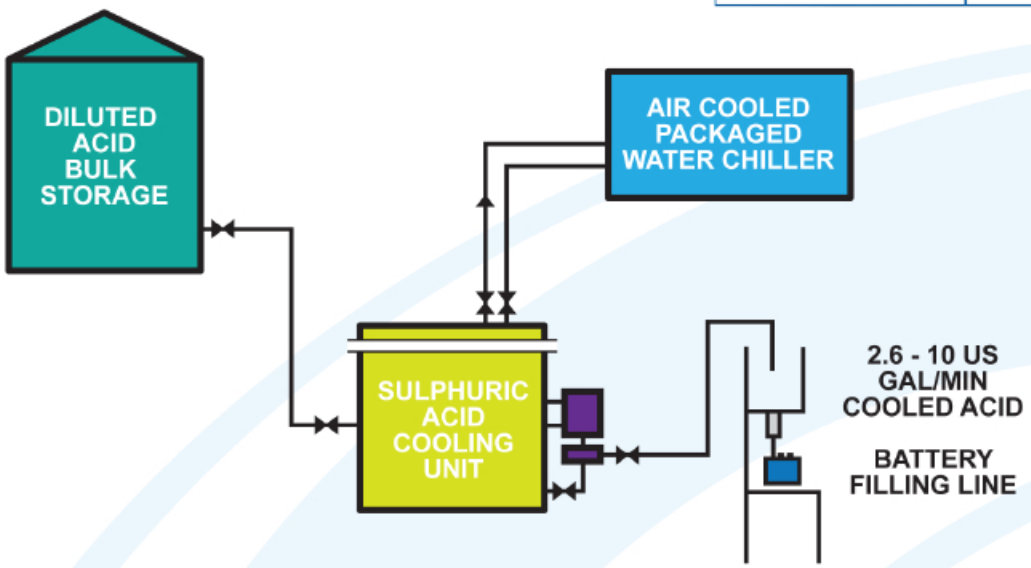
Chem Resist developed its IC Range of Acid Coolers in response to Battery industry requests to cool stored diluted acid prior to filling individual batteries.

SULPHURIC ACID COOLING

This request was answered by enlisting the same thermoplastic Heat Exchanger technology developed for our Sulphuric Acid Dilution units. These cooling coils are located in a rectangular insulated thermoplastic housing irrigated by a centrifugal pump. Chem Resist IC Cooler units provide an in-line acid cooling capacity of up to 60 l/min in 4 models.

Chem Resist IC Cooling Units are designed and manufactured at our works in the North of England and our service normally includes site delivery, installation and commissioning by our own fitters and technical staff.

Model	10 IC	20 IC	40 IC	60 IC
Cooling Capacity (35°C down to 0°C)	10 l/min	20 l/min	40 l/min	60 l/min
Length (metres)	1.2	1.2	1.2	1.5
Width (metres)	0.55	0.55	0.975	0.975
Height (metres)	1.2	1.6	1.6	1.6
Cooling Requirement (kW)	25	48	95	130
Cooling Requirement (RT)	7	14	27	37
Recirculation Pump (kW)	0.25	0.37	0.75	1.1



Please note:This data is subject to change without prior notice.

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