
	National Iranian Copper Industries Company Pyro and Hydro Metallurgy Programs Sulphuric Acid Plants Projects of Kerman Copper Project Title: Khatoonabad Sulphuric Acid Plant Project		
	Contract No: 4074	Doc. Number: 23A1-V-INT-200-EL-MN-7210 Doc. Title: : INSTALLATION, OPERATION AND MAINTENANCE MANUAL CONVERTER	

1.5.7.5. Dirt Particles Filter

This filter is used to prevent the particles from the various components from circulating through the secondary hydraulic circuit. Apart from reducing the flow due to an increase in the loss of load in the circuit, these particles can cause severe damage to the hydraulic circuit, such as: corrosion, loss of performance of the heat exchangers and heatsinks, irregular functioning of the valves or pump block or seizure. The secondary circuit is kept free of dirt particles by using a filter consisting of a mesh with a particle filtering capacity of up to 5 micra.

Component		
Particle filter	<i>Weight</i>	0.8 kg
	<i>Dimensions in mm (length/width/height)</i>	122/122/185
	<i>Intake/Outlet</i>	3/4" (DN20)
	<i>Maximum pressure</i>	6 bar
	<i>Ingeteam Code</i>	HIN-0039
	<i>Ingeteam Code of the internal filtering cartridge</i>	HIN-0094



Fig. 11.8. Particle filter

Project ID: 106129	Plant Code: CSM01	Plant Unit Code: MD03	Document Type: EDC05	Running No: 07210	Revision: 0	Sheet of Sheets: 227 (256)
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