

Application story



Sodium Phosphate Dosing in Sugar Cane Refining

Location	Italy	Hydra-Cell model	G10EKSGSFEHA
Type of application	Sodium Phosphate Dosing in Sugar Cane Refining	Flow rate	1.5m ³ /hr (396 gph)
Liquid	Sodium Phosphate	Pressure	45 bar (652 psi)
Application details	Founded in 1983, Farmavenda supply chemicals & additives to the food industry, with main operational bases being in Italy & Cuba. A recent project for a South American rum manufacturing plant, not only included the supply of Hydra-Cell pumps, but also the design & development of specialist equipment for this process. Initially, a piston pump was considered for this application, however this was rejected in favour of the Hydra-Cell; this began due to maintenance issues. A total of 16 x Hydra-Cell G10 pumps are employed to dose Sodium Phosphate into the sugar cane refining process.		
Advantages of Hydra-Cell pump on this application	Sodium Phosphate can crystallise, forming micron-sized solids in the liquid, making it abrasive and damaging to the piston pump's dynamic seals. Hydra-Cell's unique seal-less design eliminates this problem altogether.		

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