

Application story



Butane - Aerosol Can Filling

Location	Korea	Hydra-Cell model	D35EEBTHFECG
Type of application	Butane - Aerosol Can Filling	Flow rate	110 L/min (29 US gal/min)
Liquid	Butane	Pressure	5 - 7 Bar (72 - 101 psi)
Application details	Hydra-Cell® Pumps Butane Tae Yang Corporation is the largest portable butane gas cartridge maker in the world, dominating around 60% of the global market, producing more than two hundred million pieces annually and exporting to about 50 countries worldwide, including Japan, the United States, Europe & Southeast Asia. The Company uses a Hydra-Cell D35 pump in a production line capable of filling 700 cans per minute. The Hydra-Cell allows them to run dry when they need to stop the process in order to clean any residue from the piping. Also, during any temporary breaks in production, the Hydra-Cell's one way flow direction prevents the liquefied gas flowing back to the supply source, speeding the 'restart process'. Maintaining the delivery pressure in the discharge pipeline also helps reduce vapourisation. The Hydra-Cell D35 has the stable and precise metering capability that is so essential for the cartridge filling processes.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - The ability to run dry indefinitely, with the knowledge that zero damage will occur. - Its accuracy with flow rate being directly proportional to pump shaft speed.		

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