

Application story



Cleaning Road Tankers

Location	UK	Hydra-Cell model	G25XKCTHFECA / G35XKCTHFECA
Type of application	Cleaning Road Tankers	Flow rate	G25 Up to 75 l/min (20 gpm) / G35 Up to 120 L/min (31.7 gpm)
Liquid	Water	Pressure	70 bar (1000 psi)
Application details	In 1997 UK food transport and storage firm Atchison Topeka opened an advanced cleaning facility dedicated to the efficient cleaning of road tankers carrying food product. Strategically located near the centre of the UK's main motorway networks, the cleaning station was a success virtually from the outset; its efficiency only hampered in the first months by reliability problems with seal-reliant piston-type pumps. That issue was resolved when those pump were replaced by Hydra-Cell pumps, which do not use dynamic seals at all and are consequently free of risk from seal wear. Fifteen years later Atchison Topeka was able to confirm that the Hydra-Cell pumps were still in service and running well. No chemicals are used for cleaning inside tanks and pipework. A Hydra-Cell G35 pump delivers clean water to the tankwash units at up to 80°C and 70 bar pressure. At these elevated levels, having no dynamic seals is a distinct advantage. Water is a poor seal lubricant, made more abrasive and corrosive by heat and pressure. (At 90°C it is more than 60 times more corrosive than at 20°C.) The central feature of the tanker cleaning system is programmed internal washing of three road tankers at high pressure. Internal tank cleaning is performed by three motor-driven rotary washers. Permanently installed on a gantry, for each wash they are lowered through the tanker ports by electric hoist. The company's reputation for high cleaning standards has helped it to expand in new directions. Today AT is a fully qualified 3PL (third party logistics company) with expanded resources and its own quality team. Still exclusively concerned with food vessels, which now include drums and IBCs, the station's high cleaning standards are recognised across the industry. Cleaning systems for drums, IBC cleaning and exterior washing of vehicles, are fed by a Hydra-Cell G25 pump, capable of delivering 75 l/min at 70 bar pressure. In 2012, Atchison Topeka was acquired by Bibby Line Group and is directly controlled by Bibby Distribution.		

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**Advantages of
Hydra-Cell pump on
this application**

Vastly improved reliability over the original piston pumps.

Seal maintenance now reduced to zero.

Wanner International
World Headquarters & Manufacturing
Minneapolis USA

Wanner International
Hampshire UK

t: +44 (0) 1252 816847

e: sales@wannerint.com

Wanner Pumps
Shanghai CHINA

t: +86-21-6876 3700

e: sales@wannerpumps.com

Wanner Pumps
Kowloon HONG KONG

t: +852 3428 6534

e: sales@wannerpumps.com

t: (612) 332-5681

e: sales@wannereng.com