

EUROPE IS CURRENTLY LEADING GLOBAL EXPENDITURE ON R&D IN THE CHEMICAL INDUSTRY. WITH RESEARCH AND DEVELOPMENT COME INNOVATIVE PRODUCTS WHICH OFTEN NEED NEW WAYS OF HANDLING THEM. WHEN NEW THINKING ON PUMPS IS REQUIRED, ONE COMPANY HAS A HERITAGE OF PUMPING PROGRESS WHICH IS HARD TO BEAT, AND AN EXPERT SERIES OF PUMPS WHICH MORE THAN MEETS THE INDUSTRY'S CURRENT REQUIREMENTS.



EXPerTs in their field



The chemical industry represents one of the most demanding environments for pumps to work in, with some of the most diverse pump applications to be found. From small chemical dosing pumps to larger pumps for tanker unloading or bulk transfer, pumps are used throughout the production process for handling all manner of chemicals and chemical-based products.

Processes such as formulation, supply, packaging and filling, batching and blending, system flushing, recirculation and reclamation, waste water treatment and fluid filtration all demand pumps of one kind or another.

Reliability

Diaphragm pumps are the most widely used in the industry due to their reliable design, which ensures maximum safety when handling volatile fluids. For the transfer of abrasive fluids, peristaltic pumps are popular and practical, as they do not actually come into contact with the media. This type of pump also offers a low Total Cost of Ownership, and flexibility which makes

the pumps suitable to be adapted to a wide range of uses.

A leading world-class manufacturer of diaphragm pumps, with no less than eighty years' experience in the market, is ARO.

ARO has a record of innovation in pump technology, reflected in best-in-class pumps and dispensing technologies. New technological developments spring from the company's extensive knowledge of the chemical industry, and the need for productivity, quality and safety.

Lowest TCO

ARO EXPert Series diaphragm pumps offer the lowest Total Cost of Ownership of any in the industry, and are supported by a lengthy 5-year warranty. ARO pumps are in use in the chemical and other industries worldwide, and in chemical facilities are used throughout the process – but particularly for transfer and batching of caustic fluids, hydrocarbons, solvents and other fluids.

Caustic fluids – such as nitric, hydrochloric and sulphuric acid, hydroxides and ammonias – require the pumps' construction materials to be highly accurately and correctly specified. To optimise performance in these applications, ARO pumps can be manufactured using stainless steel, PVDF, Hastelloy, PTFE and Viton.

Liquid hydrocarbons, including mineral oil, gasoline and diesel fuel are easily handled with selected ARO diaphragm pumps or piston pumps, which are in use in distillation processes around the world.

Lastly, for common solvents such as paint thinners (toluene, turpentine), glue solvents (acetone, methyl acetate, ethyl acetate), spot removers (hexane, petrol ether), liquid detergents (citrus terpenes) and perfumes (ethanol), ARO recommends pumps manufactured from groundable acetal and stainless steel for safe and efficient transfer and a longer pump service life.