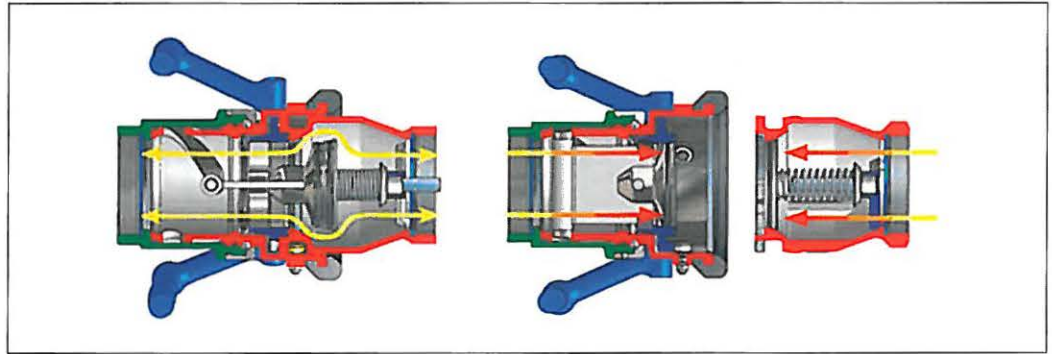


Spills Prevention and Cure

The prevention of spills in the chemical industry is a positive decision that has to be made on site, at the planning stage and awareness review meetings. Spills and vapour can pollute and damage the environment and harm life. The prevention is not as complicated or costly as sometimes is assumed certainly not compared to what the cost of a spill might be long term.

Most manufacturers of Dry Disconnect Couplings conform to the same interface so that different manufacturers hose and tank units mate together safely. The self sealing design of the Dry disconnect couplings guarantees both the highest level of safety and also the quickest way of connecting and disconnecting. The commonest standards are STANAG 3756 with a variation for LPG and other pressurised media. STANAG 3105 / ISO 45 is used in aviation and has only one interface size. Coupling Selectivity is an

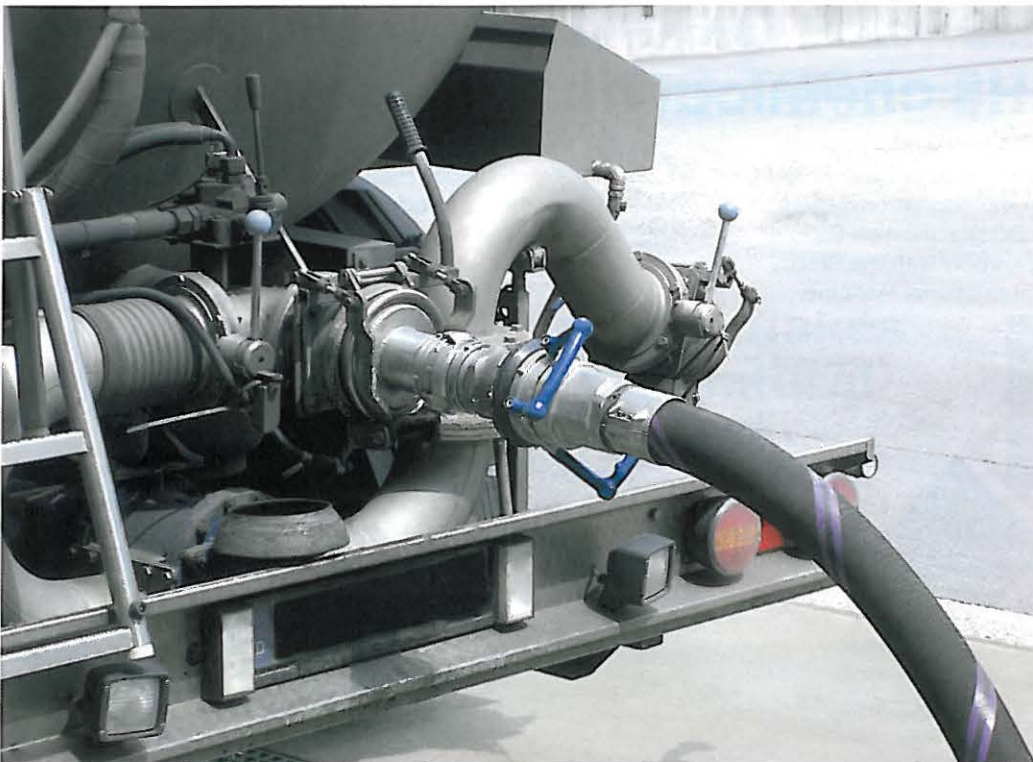


option that is used when different media are handled in the same area and prevents misfilling.

DDCouplings are increasingly used in the Chemical, Petrochemical, Cryogenic, offshore industries as well as on road and rail tanker and fixed installation. Other areas are handling toxic chemicals, ink, adhesives, caustic products and speciality acids. You can say that anywhere where you are handling a liquid they should be used. They are environmentally friendly and also improve efficiency and productivity. The units are

easy and quick to operate without the need for special tools. Using the industrial couplings in connection with pipes, tubes and hoses it can be demonstrated that not only will costs decline, the technical solution affects and benefits your return on investment in a positive way, and makes for a better and safer working environment. Elaflex with their partner and award winning company Mann Tek manufacture the units from their modern facility in Mariestad Sweden. They use technical advanced manufacturing techniques and the very best materials and produce from 3/4" inlet up to 8"

in aluminium, brass, stainless steel, titanium and corrosion-resistant metal alloys. They also produce Safety Break-away couplings up to 12". These are typically installed on loading arms and hose assemblies. Safety Break-away couplings are used to prevent pull-away accidents, protect terminal and loading/unloading equipment and eliminate unwanted product release. The break-away couplings have a breaking point which will break at a determined break-load whereupon the internal valves will automatically close on both sides.



Flexible hoses form a large part of the Elaflex program as well as nozzles and rubber expansion joints. There are continuing technical developments in the industry and Elaflex are a technical rubber hose developer and specialist. The aims are of benefiting the customer with quality products based on total cost of ownership. With the ever increasing demands on factory managers as the person responsible, operators should ensure that they are familiar with current standards and practices such as EN12115:2011 which is a good guide also with regards to electrical continuity requirements.

For more information visit www.elaflex.co.uk
Anton Martiniussen / ELAFLEX Ltd