



LOADING ACCESSORIES

OPW ESE offers a wide range of accessories that help make your loading operations safer and easier.

STEP UNIT

The OPW ESE range of step units provides safe and reliable access to tanker tops. These fully galvanised units are available in different reaches, with a safety basket as an additional protective feature.

RACK HOSE COVER

Covering the hoses of API bottom-loaders, OPW ESE rack hose covers are a simple but innovative cost-saving item.

These covers, available in different colours and lettering, extend the lifespan of hoses, prevent damage to the tank truck and improve on-site efficiency thanks to clear product identification.

BREAK-AWAY COUPLER

For safety reasons it is recommended that the OPW ESE break-away coupler is installed onto loading arms or when hoses are applied.

This device greatly reduces incidences of dangerous accidents and pollution. The coupler acts as a clear safety measure as it disconnects when excessive force is applied, completely shutting off the line on both sides.



API COUPLER

The 1005ED API bottom-loading coupler combines easy usage with heavy-duty construction for unequalled reliability.

An advanced nose seal design, using one seal instead of two, provides superior sealing properties and makes replacement quick and simple.



GROUNDING DEVICE

Electronic grounding devices are used to eliminate electrostatic charges when (un)loading flammable and explosive fluids. During this operation the tank trucks and rail cars are maintained at an electric zero potential. Only when all safety parameters have been checked and found to be positive, the unit will give a permissive 'safe to load' signal.

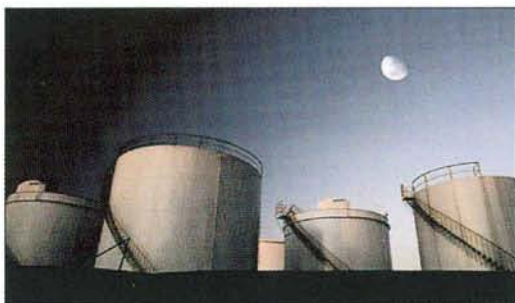


FLUID HANDLING

Keeping your operation running smoothly means having dependable equipment and systems to handle your bulk loading and unloading requirements. Reliable fluid transfer equipment from OPW Engineered Systems Europe is the answer to your transfer application needs. OPW ESE offers the most complete range of equipment available to meet today's bulk loading and unloading requirements.

Whether your application involves tank trucks, rail cars, ISO containers or drums, we will work with you to develop the right equipment for your needs. Regardless of whether it's a matter of top- or bottom-loading.

A wide array of standard equipment utilising proven technology is available for regular transfer of hazardous fluids.



storage of hazardous fluids

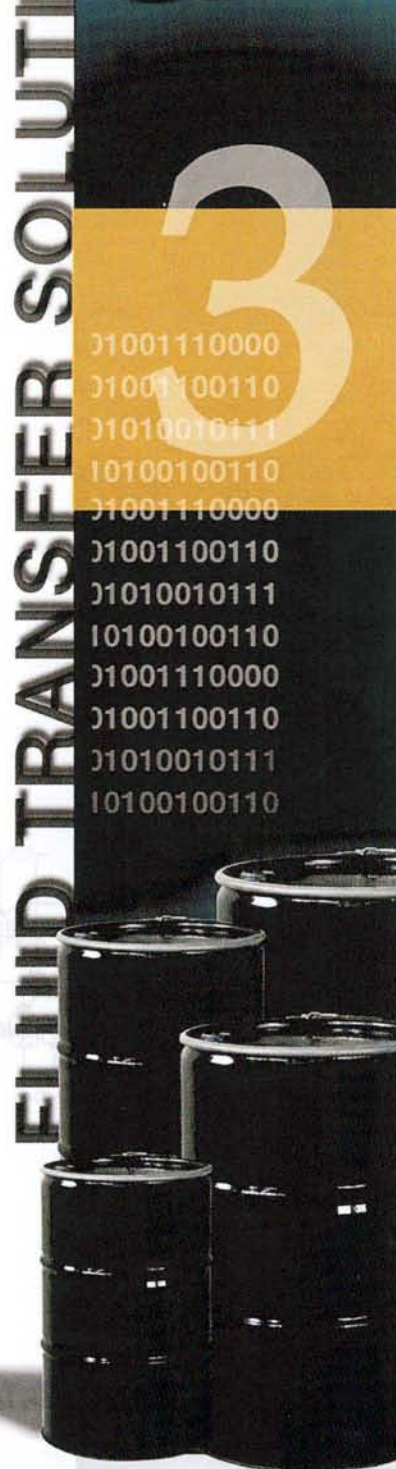
OPW ESE also provides innovative solutions for some of the most challenging fluid handling applications. The company manufactures systems for the safe and efficient handling of aggressive / critical chemicals and by-products for the industrial sector.

Other areas where our products are used include the refining, distilling, brewing, pharmaceutical and paint industries as well as waste water treatment plants, cooling equipment, and hundreds of OEM applications.

All OPW ESE fluid handling equipment is designed, manufactured and tested to meet or exceed the highest industrial standards. In order to monitor and maintain this level, OPW ESE implemented a Quality Assurance System according to ISO NEN 9001 as one of the first suppliers of fluid transfer systems. OPW ESE is clearly working to maintain its leadership position and to distinguish itself in the industry. The following pages provide general product and application information on our complete range of fluid handling equipment.



rail car loading systems



KADDAS OILFIELD SERVICES COMPANY

HOSE & FITTING SPECIALISTS

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CUSTOMISED LOADING ARMS

Chemicals and other hazardous liquids often demand a customised and engineered solution. The loading arm style, dimensions and method of tanker filling largely depend on the customer's transfer process and gantry layout.

Various materials, including stainless steel and PTFE lining, are often required to comply with complex liquid characteristics. In many cases, features like pneumatic balancing, heating, vapour recovery and overfill protection are additional requirements.



FLOATING SUCTIONS AND RAIN DRAINS

OPW ESE floating suctions have been developed for use in horizontal and vertical storage tanks above or below ground level, where little or no contamination is permitted. These assemblies draw the product near the top, since just under the surface the fluid is least likely to contain water or foreign particles.

OPW ESE also offers floating roof drains for efficient drainage of rainwater from storage tank roofs. Both types of assemblies are equipped with OPW ESE submerged swivel joints for trouble-free service.



FLUID TRANSFER SOLUTIONS



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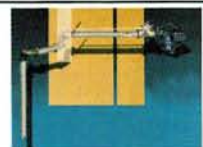


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SWIVEL JOINTS

OPW ESE swivel joints allow the use of rigid metal piping for the loading and unloading of hazardous liquids, dry products and other material, under pressure or in a vacuum.

For applications requiring a hose, swivel joints increase manoeuvrability by eliminating kinking and twisting of the hose. This results in reduced hose wear.

OPW ESE swivel joints are available in a wide range of diameters, styles and materials, in combination with various seal materials and end connections.

Special types include split-flange swivels for easy maintenance and heavy-duty applications, hose reel swivel joints and swivels with Teflon lining.



swivel joints

SIGHT FLOW INDICATORS

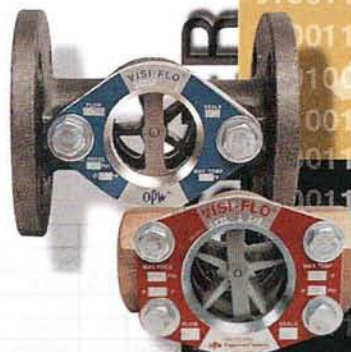
VISI-FLO sight flow indicators provide a quick, reliable and economical way to verify flow and monitor colour and clarity in fluid lines.

Several sizes, styles and materials are available for a wide range of industrial applications.

All sight flow indicators are designed for maintenance-free use and come with an exclusive 3-year 'No Leak' guarantee.



sight flow indicators



SOLUTIONS
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INDICATOR

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