

Truck-Mounted forklifts: pneumatic safety

Emerson offers preassembled all-in-one AVENTICS™ solutions for trucks

Today, the truck driver has to load and unload construction materials at twenty stations. He repeatedly parks, exits the vehicle, and climbs underneath the truck-mounted forklift attached to the vehicle's rear. There, he manually triggers two metal bars that secure the forklift. This is dangerous and tedious – and no longer necessary, as AVENTICS now offers a preassembled all-in-one solution in the Netherlands, with pneumatics assuming this task.

APPLICATION

Truck-mounted forklifts

Truck-mounted forklifts make life much easier and more productive for truck drivers. They no longer have to wait for the customer to provide a means of transportation and are able to complete more loading processes each day. But commercial vehicle traffic has strict safety requirements, with good reason. The mountings must be able to reliably hold machines heavier than 1,000 kilograms, even when potholes or speed bumps strain the mountings or cobblestones give the vehicle a shake. This is the role of the two safety bars under the truck-mounted forklift.

The local AVENTICS specialists have now put together system solutions for a trailer manufacturer which they deliver preassembled. They cover different designs for all brands of truck-mounted forklift models.

The complete package consists of two pneumatic cylinders, one manually operated valve, one pressure regulator, and the pneumatic tubing as well as the required mounting components.

Heavy-duty and easy-to-operate

With this equipment, the driver simply pushes the lever on the valve downward and the two cylinders pull the safety bars below the forklift away. This increases safety for the driver and relieves him of a troublesome chore. Once the truck-mounted forklift is loaded, the pneumatics return the safety bars back to their original position. The components are tailored to the special requirements of harsh truck applications. They are resistant to wind and weather, splash water, and the vibrations and shocks occurring during daily operation. This is where pneumatics can truly shine as a robust, easy-to-operate technology.



Resistant to wind, water, shocks, and vibrations, Emerson pneumatics are customized for use in harsh environments. Installed in over 3,000 truck-mounted forklifts in The Netherlands alone, the pneumatics cylinders increase operator efficiency, productivity, and safety.

One order number for the entire material kit

AVENTICS has created a single material number for each material kit. This simplifies business processes, logistics, and customer production processes. The Laatzen plant in Germany sends the components to Boxtel, in the Netherlands. There, they are preassembled into ready-to-install modules by the Dutch employees and then delivered to the customer. As of this year, AVENTICS also collaborates with Quickstra and De Kruif, two major dealers and maintenance specialists for truck-mounted forklifts in the Netherlands, because the pneumatically automated safety system is also suitable for retrofitting. In the Netherlands alone, over 3,000 truck-mounted forklifts are currently in use. And the country is just a stone's throw away from the rest of Europe.

“Our system solution protects the health of drivers, helps them to save time, and therefore work more efficiently.”

Herbert Sturing
Sales Engineer, Emerson, Netherlands

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