

Hydraulic Pump, Valves and Cylinders

Hydraulic Pumps, Valves and Cylinders - Numerous forklifts are powered utilizing liquid propane. Though some facilities will have refuelling capabilities on site, several will have cylinders brought to their office instead. If a lift truck runs out of fuel, the cylinders are changed. A few cautions and training is necessary if dealing with propane in view of the fact that it is a highly flammable material.

Personal Protective Equipment, otherwise known as PPE, should be worn previous to filling or changing a forklift cylinder. Since liquid propane is really cold, it can result in burns if it comes into contact with the skin. Always having on thick leather gloves will help protect hands. Goggles or various standard eyewear together with a face shield is likewise very recommended. Having a fire extinguished nearby is also suggested before the refuelling method begins.

Make sure that the surroundings are safe from any lit cigarettes or open fires. Find the fill valve on the cylinder and remove the cover. Afterward you can connect the fill line to the fill valve. When the fill line is in place, carefully open the bleed valve. This would be a small spherical knob on the cylinder which is usually brass coloured. A hissing sound can escape when the valve is open and this is normal as long as it is just air being vented and not actual propane.

Open the valve really unhurriedly on the fill line, listening for whatever leaks. If there are no leaks, then the valve can be carefully opened. The sounds of fuel entering the tank should be easy to hear. Never leave the tank unattended when refuelling and watch the bleeder valve all through the method. A spray of white propane gas will emit from the bleeder valve when the tank is full. Turn the fill valve off totally and afterward close the bleeder valve. Extremely gradually and cautiously take out the fill line from the tank. Watch for whatever excess gas caught in the coupling that will be expelled when the seal is broken. It should only be a small amount of gas and is normal. Put back the protective cap on the fill valve. Double check all valves are fully closed. The tank is now set and full to use.