

## Hydraulic Pumps, Valves and Cylinders

Liquid propane cylinders are used on a lot of lift trucks. A few facilities are able to refuel their own propane cylinders, nonetheless, most will have their cylinders refilled elsewhere and delivered to their place of work instead. Whenever a forklift runs out of fuel, the cylinders are changed. Several cautions and training is essential whenever handling propane since it is a very flammable material.

Personal Protective Equipment, likewise known as PPE, should be put on before changing or filling a forklift cylinder. As liquid propane is very cold, it could cause burns if it comes into contact with the skin. All the time having on thick leather gloves would help protect hands. Goggles or other standard eyewear along with a face shield is likewise very recommended. Having a fire extinguished within the immediate vicinity is also recommended before the refuelling method begins.

Make certain that the surroundings are safe from whatever open fires or lit cigarettes. Locate the fill valve on the cylinder and take out the cap. Next you could attach the fill line to the fill valve. Once the fill line is in place, cautiously open the bleed valve. This would be a small round knob on the cylinder that is often brass coloured. A hissing sound can escape whenever the valve is open and this is normal so long as it is only air being vented and not actual propane.

Open the fill valve on the fill line extremely gradually, listening for whatever leaks around the connection point. When sure there are no leaks, the valve could then be opened more. The sound of propane entering the tank must be easy to hear. On no account leave the tank unattended when refuelling and watch the bleeder valve during the process. A spray of white propane gas will emit from the bleeder valve once the tank is full. Turn the fill valve off entirely and next close the bleeder valve. Very unhurriedly and cautiously remove 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 must only be a small amount of gas and is normal. Replace the protective cap on the fill valve. Double check all valves are fully closed. The tank is now ready and full to utilize.