

## Hydraulic Pump, Valves and Cylinders

Hydraulic Pumps, Valves and Cylinders - Many forklifts are powered utilizing liquid propane. Although a few facilities will have refuelling capabilities on location, several will have cylinders brought to their workplace instead. Whenever a forklift runs out of fuel, the cylinders are changed. Some cautions and training is needed whenever dealing with propane because it is a very combustible matter.

PPE likewise known as Personal Protective Equipment, must be worn if refilling or changing a forklift cylinder. The liquid is very cold and could lead to burning or irritation when it comes into contact with skin. At all times having on thick leather gloves will help protect hands. Goggles or various approved eyewear together with a face shield is likewise extremely recommended. Having a fire extinguished nearby is likewise recommended before the refuelling method starts.

Ensure the lift truck is turned off before beginning and extinguish whatever cigarettes or open flames in the area. Find the fill valve on the cylinder and take out the protective plastic cover, after that firmly attach the fill line to the fill valve. Once the fill line is in place, carefully open the bleed valve. This will be a small round knob on the cylinder which is usually 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 valve really gradually on the fill line, listening for any leaks. If there are no leaks, then the valve could be safely opened. The sounds of fuel entering the tank should be audible. By no means leave the tank unattended when refuelling and watch the bleeder valve throughout the method. A spray of white propane gas would emit from the bleeder valve once the tank is full. Turn the fill valve off completely and then close the bleeder valve. Extremely unhurriedly and cautiously take out the fill line from the tank. Watch for any extra 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 cover on the fill valve. Double check all valves are fully closed. The tank is now ready and full to use.