

Forklift Compatibility

Connection to the forks

The Winter Wizard fits onto the forks of your forklift. The Winter Wizard's fork pockets are 140mm x 50mm this should be large enough for most forks, the fork pockets are open ended, this means that forks which are very long can still be used safely. The heel pins at the back of the fork pockets are designed to keep the winter wizard safely attached to the forklift.



Fork Pockets 140mm x 50mm



Heel pins for safety

Hydraulic Connection

The Winter Wizard is hydraulically driven; it only needs 11 litres per minute flow to reach its maximum spread width. Most forklifts easily have this capacity in their auxiliary circuit (3rd service). If your forklift doesn't have this flow then this doesn't mean the Winter Wizard will not work it means that it will not achieve its full spread width. All hydraulic flow above 11 litres per min is returned back to the forklift with minimal restriction. The hydraulic block and circuit has been designed to operate with a whole range of forklift hydraulic flows and pressures.

How the Winter Wizard connects to the forklift depends on the available hydraulic services on the forklift, it is unlikely that the Winter Wizard will not be able to be fitted to your forklift.

1. Auxiliary service – it maybe that your forklift has a free auxiliary service that could be utilised or that your forklift supplier could fit one. You simply need a hydraulic flow and return.
2. Connection to your forklift 3rd service valve which is generally used for a side shift function

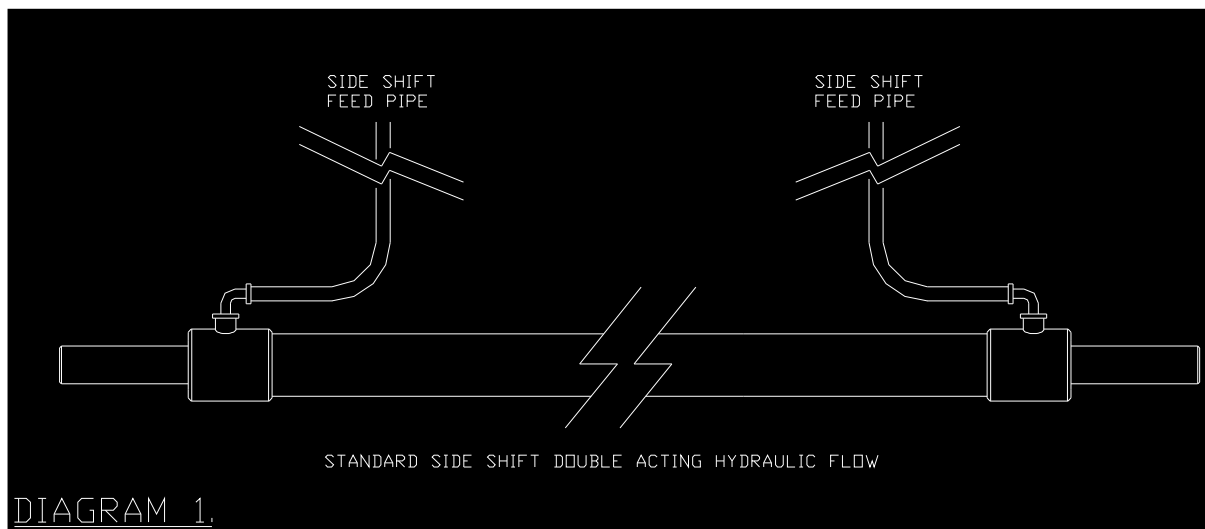
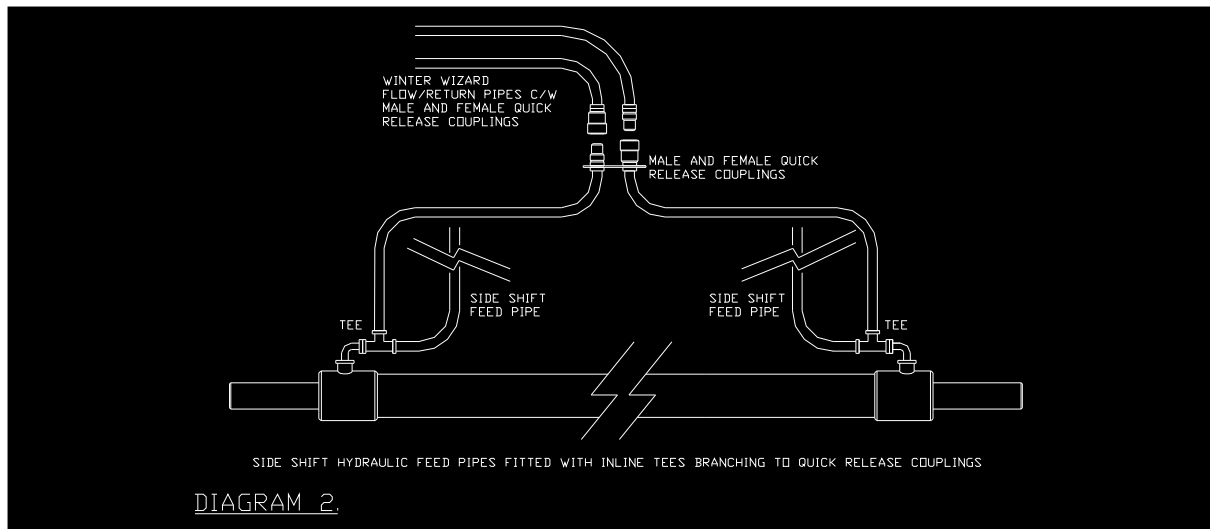


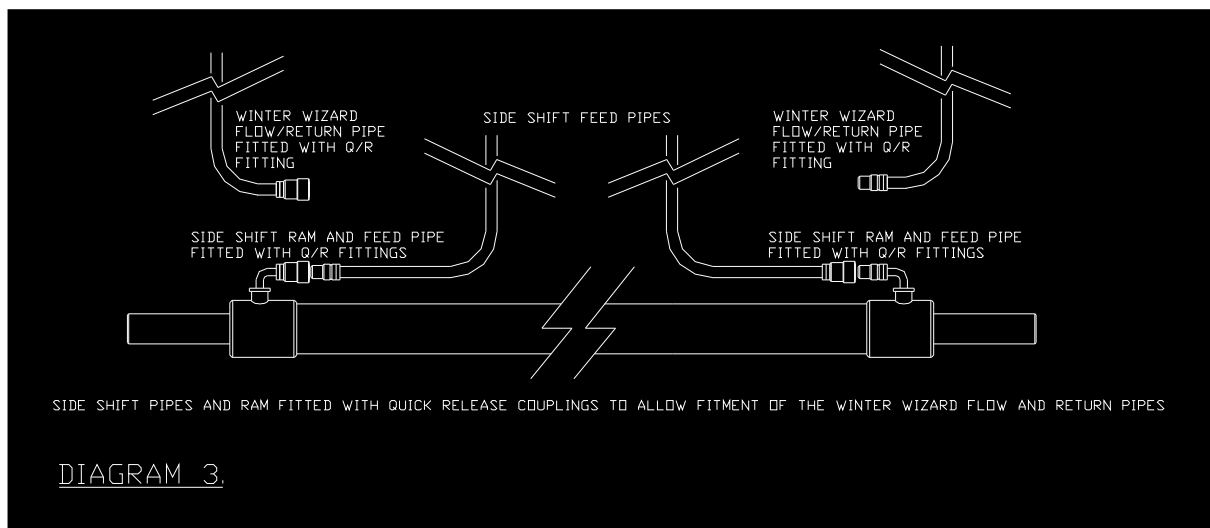
DIAGRAM 1.

Diagram 1. Shows a standard 3rd service operating a side shift ram

- a. You could tee into the side shift ram feeds, then route some hydraulic pipes from them to some quick release couplings, this would allow you to connect to the forklift hydraulics. Operation would be via the 3rd service/side shift lever, the side shift ram would move to its full travel prior to the Winter Wizard operating – once this has happened for the first time the winter wizard would operate normally. This option is shown in Diagram 2



- b. You could fit quick release couplings to the end of the side shift feed pipes which would allow you to quickly interchange between side shift and your Winter Wizard, operation of the Winter Wizard would be done via the 3rd service/side shift lever. This option is shown in Diagram 3.



Please note the Winter Wizard is not supplied with quick release couplings, this is because of the many different types available on the market. Please don't hesitate to contact Vale if you need any further advice.



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