

Adjustable Agitation Valve

This instruction is to be read in conjunction with the instruction book for your specific sprayer.

Description

This new **Adjustable Agitation Valve** replaces the existing agitation valve at your Hardi Manifold System. It gives you the possibility to continuously adjust the quantity of liquid that is used for agitation or by-pass.

Function

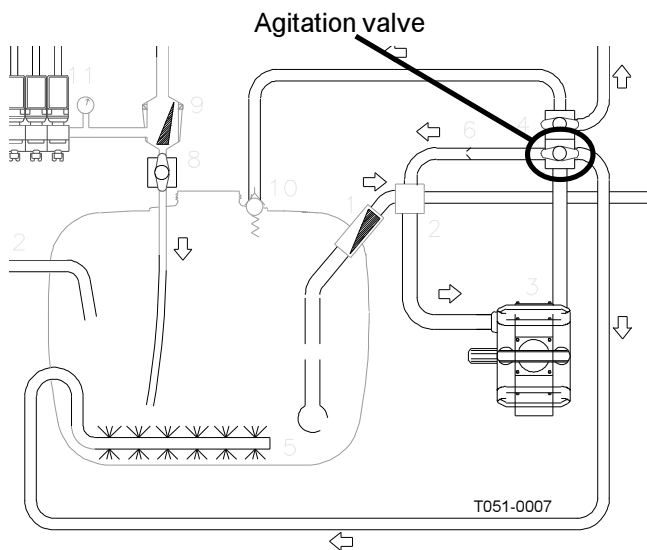
The **Adjustable Agitation Valve** replaces the existing agitation valve, and should be located at the same place in the Hardi Manifold System

Diagram shows where the replacement takes place.

The green pressure valve has 4 positions. Two positions are for "Agitation" and "Without Agitation" (by-pass). The other two are marked "O" indicating the valve is closed. With the new **Adjustable Agitation Valve** it is possible to combine these positions continuously. For example if you want to spray with a high volume rate at high(-er) pressure and want agitation in same time. This situation could be impossible with the standard valve.

Diagram - Conventional liquid system

(Section - see complete diagram in your instruction book).



Assembly

Lubricate all O-rings before assembly.

1. Remove cover behind **MANIFOLD SYSTEM** (platform side).
2. Release cramps and remove hoses from the sides of the existing valve.
3. Remove the existing valve by releasing the cramp from the T-piece and unscrew the valve from the bracket.
4. Fit the new agitation valve in the bracket and tighten the union nut.
5. Mount cramp to T-piece.
6. Mount the hoses in the sides of the new **Adjustable Agitation Valve**.
7. Put the cover back.

Operating

MANIFOLD SYSTEM

See instruction book for information about selecting optional equipment

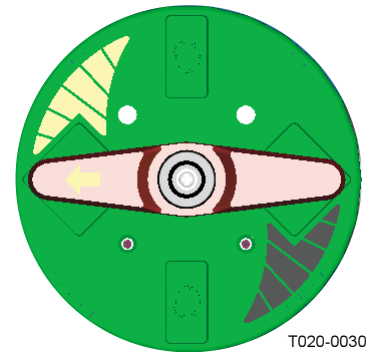
Adjustable Agitation Valve

The valve is marked with arrows on the green disc that indicates the amount of liquid that passes through the valve. If handle is turned to a position near the tip of the arrow, then only a small amount of liquid is allowed to pass the valve. Otherwise, if handle is turned to a position in the wide end of the arrow, it means that a larger amount is passing the valve.

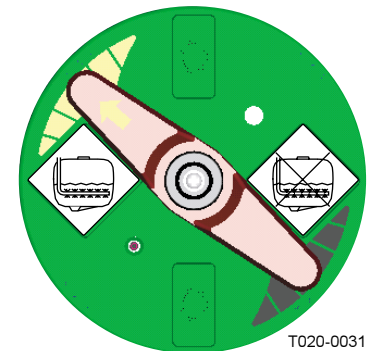
Now you have the possibility to continuously adjust how large amount of fluid from the pump is used for agitation in the tank and for spraying.

Examples on handle positions at different agitation quantities:

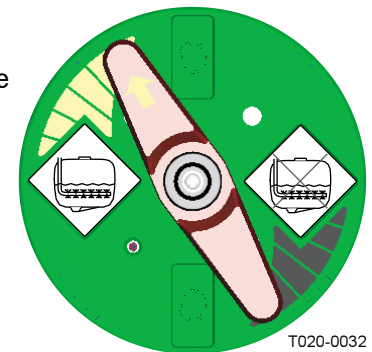
1. Handle is in same position as (open) agitation position at the original valve. Agitation quantity is 100%.



2. Handle is positioned at the middle of the arrow (in agitation side of the disk). Agitation quantity is 50%.



3. Handle is positioned near the tip of the arrow (in agitation side of the disk). Agitation quantity is 10%.



By-pass

When using agitation and you want to turn it off, then turn the handle 180 degree around. This means that agitation is off but the spraying pressure remains the same - opposite to closing the valve, which will increase the pressure.