

# DEMCO

## 50 SERIES SPRAYERS



### START-UP GUIDE



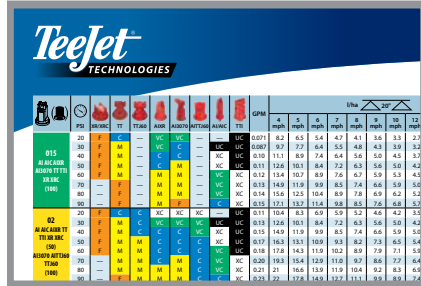
*Doing Our Best to Provide You the Best*

[www.demco-products.com](http://www.demco-products.com) • 1.800.543.3626

## Toll Free: 800-543-3626

Demco 50 Series exclusive tank design allows for unmatched agitation and drainage. Our short trailer design helps reduce crop damage, and our front folding hydraulic booms are built to perform.

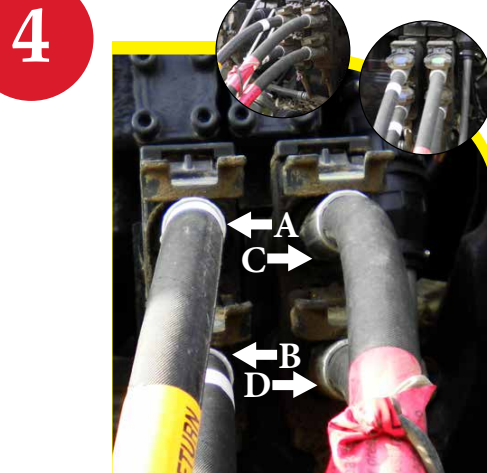
**1** Choose appropriate spray tips for application rate and speed.



**2** Program rate controller (refer to your manual).



**3** Read pump manual and tractor manual to be sure pump and tractor are compatible.



### Hose Hook-up

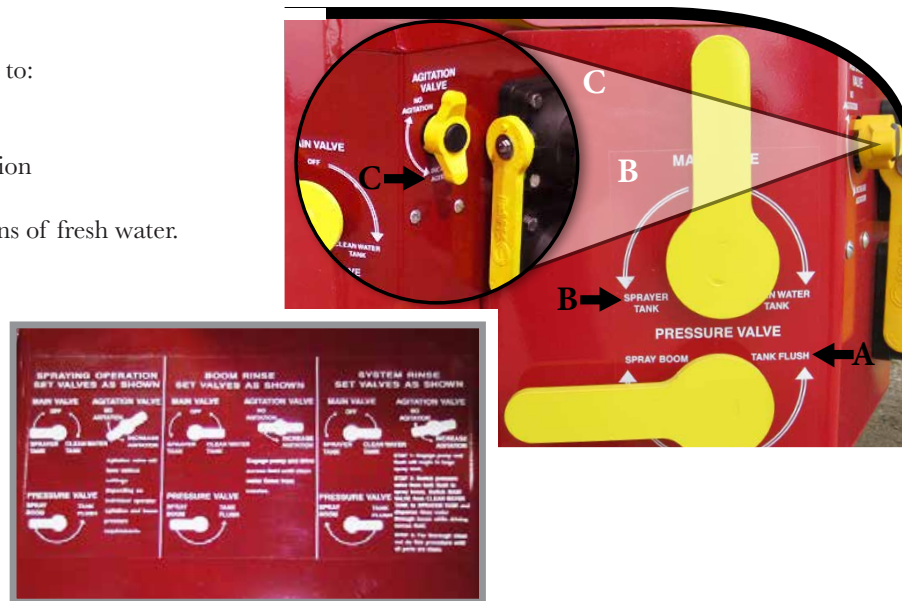
- I. Hook up hoses to tractor hydraulic priority port. (For optimal pump performance return line should dump directly into tractor hydraulic tank.)
- II. Start with low hydraulic flow (approximately 25% of max flow or 10 gpm.) (\*flow will be increased later.)

<b>BOOM RETURN LINE</b>	<b>BOOM PRESSURE LINE</b> Turn tractor oil flow down prior to engaging tractor hydraulic lever. If sprayer is equipped with a 90' boom your tractor must have a closed center hydraulic system.	<b>PUMP RETURN LINE</b> For increased HYD motor seal life, couple hose to low pressure return port. Most tractors can have this added if tractor is not equipped with one.	<b>PUMP PRESSURE LINE</b> Turn tractor oil flow down prior to engaging tractor HYD lever.
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>

**5** **Pump Priming**  
For pump priming set pressure valve to:  
A. Tank Flush  
B. Main Valve to Sprayer Tank  
C. Agitation Valve to Increase Agitation

Then fill Main Tank with 300 Gallons of fresh water.

For units equipped with TeeJet Monitor. Set monitor to manual mode. Hold plus key until regulator valve is in open position. (Approximately 15 sec.)



**6** **Monitor**  
Set monitor master switch to off position

**7** **Pressure Valve**  
Switch pressure valve back to spray boom



**8** **Start Pump**  
A. Confirm pump is primed by checking pressure gauge.  
B. If gauge show 0 psi stop pump immediately. Remove cap from bottom of filter bowl until air is purged. Replace cap and restart pump. IF gauge pressure is above 5 psi proceed to step 9.



**C. DO NOT RUN PUMP DRY**

**9** **Hydraulic Flow**  
Adjust tractor hydraulic flow to achieve a pressure of 80 psi.

**10** **Set Valves**  
A) Set Main Valve to sprayer tank  
B) Set Agitation Valve for adequate tank mix  
C) Set Pressure Valve to spray boom



**11** Unfold Boom (see boom manual)



**12** Now ready to test run sprayer.



**13** If desired spraying pressure is not reached slowly turn up tractor hydraulic flow.



## 850 Gallon

45', 60' or 66' Boom available



## 1050 Gallon

45', 60' or 66' Boom available  
or 80/90' Boom available



## 1250 Gallon

80/90' Boom available



**DEMCO**

*Doing Our Best to Provide You the Best*

4010 320th Street • Boyden, Iowa 51234

1.800.543.3626

[www.demco-products.com](http://www.demco-products.com)