810 Flex-Air™
Applicator

PIN YDT036001 and above

OPERATOR'S MANUAL

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CASE IH AGRICULTURE

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Liquid system spraying operation

NOTE: *All valves and switches referred to in this section are shown in previous section.*

1. The liquid pump switch on the remote control box must be in the A (auto) position and the S1 switch must be in the OFF position.
2. Close valves 1, 3, 4, 5 & 6 at the fill station.
3. Close the tank rinse and load valves on the eductor.
4. Open valves 2 & 7 on the fill station.

NOTE: *Refer to the Controller Operator's manual supplied in the documentation packet for calibration and operating instructions. Calibrate the system for the speed and rate desired.*

5. Set the controller to AUTO (see controller manual).
6. Begin forward motion and push the top of the SPREAD/ HOLD switch **(1)** to turn liquid flow On.
7. Increase forward speed until desired operating speed is reached.
8. Observe control console to determine if proper application rate is taking place. If not, stop operation and refer to the controller manual.
9. To turn OFF liquid flow, push the bottom of the SPREAD/ HOLD switch **(1)** or turn the product Off on the controller.



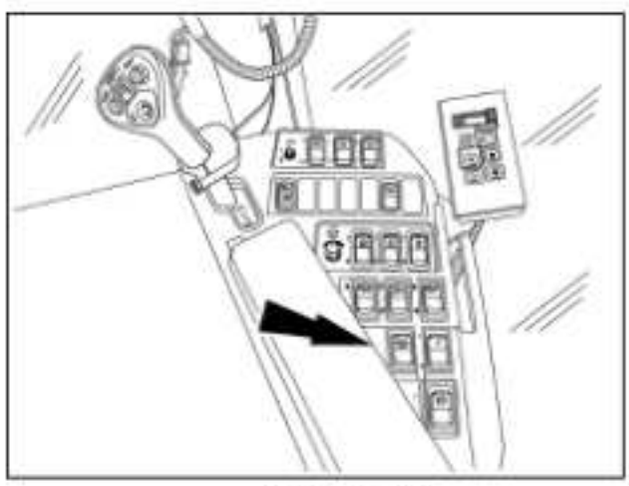
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Sparge control

The motorized sparge valve is controlled from the cab using the sparge pressure control switch located on the console. The valve takes 7 seconds to move from full closed to full open.

Hold the switch to (+) to increase pressure and (-) to decrease pressure. The valve holds its position when the control switch is released.

A higher sparge pressure sends more product flow back to the tank for increased agitation.



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Every 500 hours

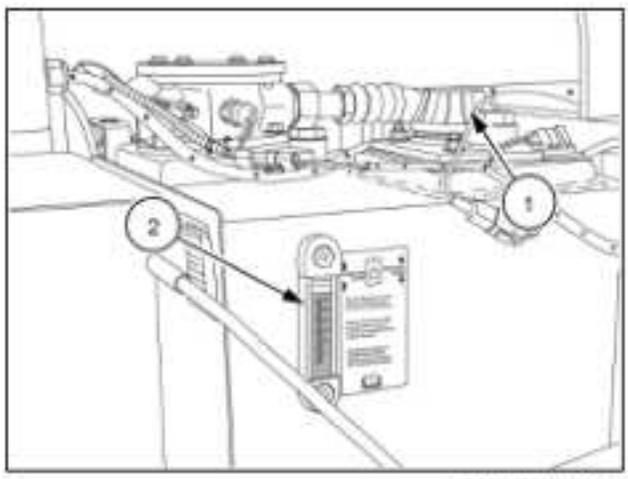
Charge pump hydraulic filter

⚠WARNING

Escaping fluid!
The hydraulic tank is a pressurized system. Vent tank slowly by loosening the breather before performing work on the hydraulic system.
Failure to comply could result in death or serious injury.

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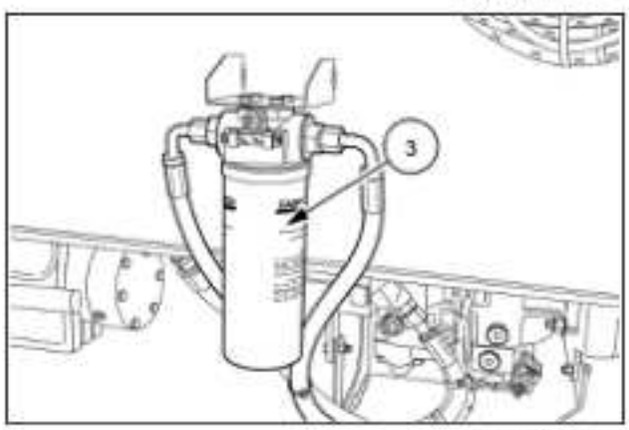
1. Vent hydraulic tank by slowly loosening the breather **(1)**.



2. Use a filter wrench and remove the charge pump filter **(3)** by turning the filter counterclockwise (as viewed from bottom). Remove the filter and dispose of it properly.
3. Apply clean oil to the gasket on the new filter.
4. Turn the filter clockwise (as viewed from bottom) until the filter gasket comes in contact with filter head.

NOTICE: *Do not use a filter wrench to install the filter.*

5. Use your hand to tighten 1/2 turn further.
6. Start the unit and check for leaks. Check the hydraulic oil level **(2)** and add as needed.



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7 - SPECIFICATIONS

General specification

Product specifiacations

Item	Specification
Main Bin Capacity	Single - **8.1 m³ (286 ft³)** or Split - **3.3 m³ (116 ft³)** front & **4.8 m³ (171 ft³)** rear*
Co-applicator Capacity	**1.4 m³ (50 ft³)** - with or without augers from the supplement bin
Capacity Options	Single bin: **8.1 m³ (287 ft³)** Double bin: **8.1 m³ (287 ft³)** + **1.4 m³ (50 ft³)** without supplemental augers Single bin: **4.8 m³ (171 ft³)** + **4.6 m³ (162 ft³)** or **5 m³ (175 ft³)** with supplemental augers Triple bin: **4.8 m³ (171 ft³)** + **3.5 m³ (125 ft³)** + **1.4 m³ (50 ft³)** with supplemental augers
Weight	Single bin: **2976 kg (6560 lb)** Double bin: **1.4 m³ (50 ft³)** with augers (estimate): **3402 kg (7500 lb)** Triple bin: **1.4 m³ (50 ft³)** with augers: **3484 kg (7680 lb)**
Width	**3.6 m (11.9 ft)** - booms folded
Length	**4.4 m (14.3 ft)**
Height	**2.2 m (87 in)**
Metering System	Synchronized right and left side conveyers meter product into 20 individual venturi tubes for delivery to each boom outlet. Conveyer belts are **673 mm (26.5 in)** EPDM chemical resistant material. Right or left boom shutoff eliminates double application.
Boom**	**18.3 m (60 ft)** mid-ship mounted, 20 adjustable outlets spaced at **91 cm (36 in)** (available with **2.5 in** or **3 in** tubes) **21.3 m (70 ft)** mid-ship mounted, 20 adjustable outlets spaced at **107 cm (42 in)** (available with **2.5 in** tubes only)
Displays	Case IH SCS 5000 display for Single bin configuration, with or without Liquid product systems. Case IH Viper PRO display for any Flex-Air 810 configuration.
Hopper Material	409 stainless steel
Hopper Screen	Stainless steel with hinged access manhole that completely covers the top of the hopper. Flip top hopper cover is optional. Ladder is located on the left side.
Blower (Fans)	Dual high volume centrifugal, up to 100 plus miles per hour air velocity
Spreading Capacity	**18.3 m (60 ft)** boom with **76 mm (3 in)** tube: **522 kg (1152 lb)** per acre at **20 km/h (12.5 mph)** **21.3 m (70 ft)** boom with **63.5 mm (2.5 in)** tube: **342 kg (754 lb)** per acre at **20 km/h (12.5 mph)**
In-Field Rate Change	Virtually instantaneous rate changes on - the - go
Co-Applicators	**1.4 m³ (50 ft³)** - with or without augers from the supplement bin
Pressure Washer	Optional - **2000 psi**
Liquid Plumbing System	Optional - **1893 l (500 US gal)** poly tank / **284 l (75 US gal)** poly rinse tank
Pump	Centrifugal pump with **51 mm (2 in)** inlet and **38 mm (1.5 in)** outlet
Weight of Liquid System	**245 kg (540 lb)**
Boom	316 stainless steel boom tubes with nozzles spaced at **762 mm (30 in)**
Chemical Eductor	Optional - Stainless steel - parallel linkage to retract; includes tank rinse, jug rinse and jug opener
Foam Marker	Optional - **265 l (70 US gal)** poly tank; right hand and left hand operation; adjustable output

* **3.3 m³ (116 ft³)** front bin is the supplement bin / **4.8 m³ (171 ft³)** rear bin is the main product bin.
** All boom options configured with **76 mm (3 in)** rear tubes (4) in the center of the machine. All booms are horizontal floating and feature the patented Field Leveler independent suspension. Right and left shutoff is standard for half swath applications.

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