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Hooking up the Case Drain Alarm on the GEN 1

1. The zero pressure case drain alarm cable gets routed to the tractor cab and hooked to 12 volt DC + and – terminals. This will warn the operator if the pressure on the case drain line is above 23 PSI.
2. If using a MDRC or MTC200 Montag rate controller, verify pressure switch is plugged into harnessing. No cab alarm is required as it is integral in the controller.

Hooking up the Hydraulics on the GEN 1 & the GEN 2

1. The port marked CD on the front of the hydraulic block MUST return to the zero pressure or case drain return port on your tractor. The port marked P on the front of the hydraulic block is the Inlet Pressure port. It gets hooked up to the pressure side of the valve stack on your tractor.
2. See the Hydraulic Schematic for your system to determine the return line connection. The return oil from the system should return to a hydraulic motor return port on your tractor. Not the valve stack. If you do not know the location of these ports on your tractor, please contact your local tractor manufacturer’s service department.
3. When everything is plumbed correctly, and the Montag is running, the gages on the hydraulic block should read as follows. GP port (on the left) is the inlet pressure 1500-2850 PSI depending on the number of rows. Lower pressure for 8 row machines and higher pressure for 24 row machines. The GT port (on the right) Return Pressure should read 0-200 PSI. If it is higher than 200 PSI make sure it is returning to a hydraulic motor return port and look for any restrictions in the line at fittings, couplers and hoses. The lower you can keep the return pressure the more efficient your system will operate.

Hydraulic Requirements

The following tractor hydraulic capacity requirements apply for any dry fertilizer application. High speed fan option will require more flow and pressure than standard requirements depending on the configuration.

Model	Rows	Hydraulic Capacity	Hydraulic Pressure	Minimum Hydraulic Hose Size		
				Pressure	Return	Case Drain
GEN 1	8 or 12	16 gpm (61 lpm)	2500 psi (172 bar)	½ inch	¾ inch	½ inch
GEN 1	16	18 gpm (68 lpm)	2600 psi (179 bar)	¾ inch	¾ inch	½ inch
GEN 1	18	20 gpm (76 lpm)	2850 psi (197 bar)	¾ inch	1 inch	½ inch
GEN 1 (-2021)	24	20 gpm (76 lpm)	2850 psi (197 bar)	¾ inch	1 inch	½ inch
GEN 1 (2022+)*	24	25 gpm (95 lpm)	2850 psi (197 bar)	1 inch*	1 inch*	½ inch
GEN 2 - 2218	All Rows	20 gpm (76 lpm)	2850 psi (197 bar)	¾ inch	1 inch	½ inch
GEN 2 – 2208	All Rows	14 gpm (53 lpm)	2000 psi (138 bar)	½ inch	½ inch	½ inch
GEN 2 – 2108	All Rows	14 gpm (53 lpm)	2000 psi (138 bar)	½ inch	½ inch	½ inch

* 24 Row Gen 1 w/ Cray fan (MY2022) requires a large body high flow motor return port and we recommend a ¾” SCV valve body with ¾” high flow coupler and/or teeing together two SCV pressure lines for optimal performance.



Case Drain & Motor Return

Tractor Connection Guide for Great Plains
YP Planters and Air Drills

To view go to the following link:

<http://www.greatplainsmfg.com/manuals/pdf/CDMR101209.pdf>