

ORIFICE # 26

SPACING 30 IN.

10-34-0

ORIFICES PER ROW = 3

1/2 RATE ORIFICE # 18

1-1/2 RATE ORIFICE # 31

OPERATING PRESSURE
RANGE = 20 TO 30 PSI

ORIFICE SPECS	
Orifices per Row:	3
Prod. GPM:	0.04-0.08 GPM
Water GPM:	0.05-0.1 GPM

		MPH													
		3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5
GPA	5	--	--	--	11	13	16	19	23	26	30	34	39	44	49
	5.5	--	--	10	13	16	20	23	28	32	37	42	47	53	59
	6	--	--	12	16	19	23	28	33	38	44	50	56	--	--
	6.5	--	11	15	18	23	28	33	38	45	51	58	--	--	--
	7	--	13	17	21	26	32	38	45	52	59	--	--	--	--

GALLONS PER ACRE
RANGE = 5 TO 7 GPA

SYSTEM SPECS	
Implement:	PLANTER
Product:	10-34-0
Width:	40.0 FT
Row Width:	30 IN
No. of Rows:	16
Speed Range:	5-7 MPH
GPA Range:	5-7 GPA
Pressure Range:	20-30 PSI
Prod. GPM:	2-4 GPM
Water GPM:	2.4-4.7 GPM

		MPH													
		3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5
PSI	10	7.2	6.1	5.4	4.8	4.3	3.9	3.6	3.3	3.1	2.9	2.7	2.5	2.4	2.3
	15	8.7	7.4	6.5	5.8	5.2	4.7	4.3	4.0	3.7	3.5	3.2	3.1	2.9	2.7
	20	10.2	8.7	7.6	6.8	6.1	5.5	5.1	4.7	4.4	4.1	3.8	3.6	3.4	3.2
	25	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0	3.7	3.6
	30	12.3	10.6	9.2	8.2	7.4	6.7	6.2	5.7	5.3	4.9	4.6	4.4	4.1	3.9
	35	13.3	11.4	10.0	8.9	8.0	7.3	6.7	6.2	5.7	5.3	5.0	4.7	4.4	4.2
	40	14.3	12.2	10.6	9.6	8.6	7.8	7.2	6.6	6.1	5.7	5.4	5.1	4.8	4.5
	45	15.2	13.0	11.3	10.1	9.1	8.3	7.6	7.0	6.5	6.1	5.7	5.4	5.1	4.8
	50	16.0	13.7	11.9	10.7	9.6	8.7	8.0	7.4	6.9	6.4	6.0	5.6	5.3	5.1
	55	16.7	14.4	12.6	11.2	10.1	9.1	8.4	7.7	7.2	6.7	6.3	5.9	5.6	5.3
	60	17.5	15.0	13.1	11.7	10.5	9.5	8.7	8.0	7.4	7.0	6.5	6.2	5.8	5.5



Kelley Engineering LLC

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**"OUR MISSION IS TO HELP YOU REALIZE
 THE POTENTIAL OF YOUR INVESTMENT."**

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CP4916-26

The -26 represents the diameter of the orifice opening per 1000ths of an inch. In this case, 26/1000 inch or 0.0260 inch.



Note: Always insert Orifice Plate with side marked with number facing the outlet.
MATERIAL: Stainless Steel

* - Graphic from TeeJet Catalog 51 2011.

TROUBLESHOOTING

PRESSURE - It is higher or lower than the Pressure Chart above shows.

HIGH Look for restrictions down stream from the pressure gauge.

Examples: A pinched hose(s), plugged orifices, a shut-off did fully open, a faulty pressure gauge, or gauge protector.
A faulty flow meter sensor or rotor, or material in the flow meter causing it to drag.

LOW Look for break(s) in the line down stream from the pressure gauge.

Examples: A split hose, a hose off, an orifice left out, the wrong orifice size, a faulty pressure gauge, or gauge protector.

LOW Check for restrictions before the pressure gauge. If using a Controller, it would also not be able to maintain rate at the desired speed.

Examples: Air in the pump, plugged filters, pinched hose, or plugged tank outlet.

RATE - It is jumping up and down on my controller and won't stay steady.

1. Check the filters in the system.
2. Check the speed on your monitor. Is it steady? (Jumping more than ± 0.2 mph is usually not normal)
3. Try running in Manual. Can you manually adjust the pressure and rate? (Manual mode is not available in all systems)
4. Check the Flow Meter. Is the turbine spinning freely?
5. Give us a call at 765-563-3426.

We are available to help you troubleshoot your system. Usually we can solve any problems over the phone and get you going.
We are also available for an in field service call if needed.

GPA - My Total Gallons or my Gallons per Acre Rate are off. Which way do I move my Flow Meter calibration number?

First Is the monitor displaying the correct rate? If it is displaying and maintaining the correct rate, then keep on reading below.

If the monitor is NOT maintaining the correct rate, then refer to the list above.

Too Little If you are not getting enough on per acre OR covering too many acres per load, then you need to raise your number.

Usually a couple of tenths at a time (0.2) or twenty (20) at a time on a Raven monitor.

Too Much If you are getting too much on per acre OR not covering enough acres per load, then you need to lower your number.

Usually a couple of tenths at a time (0.2) or twenty (20) at a time on a Raven monitor.

Way Off Give us a call at 765-563-3426.



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