Precision Liquid Fertilizer Solutions

AgXcel 877.218.1981 www.agxcel.com

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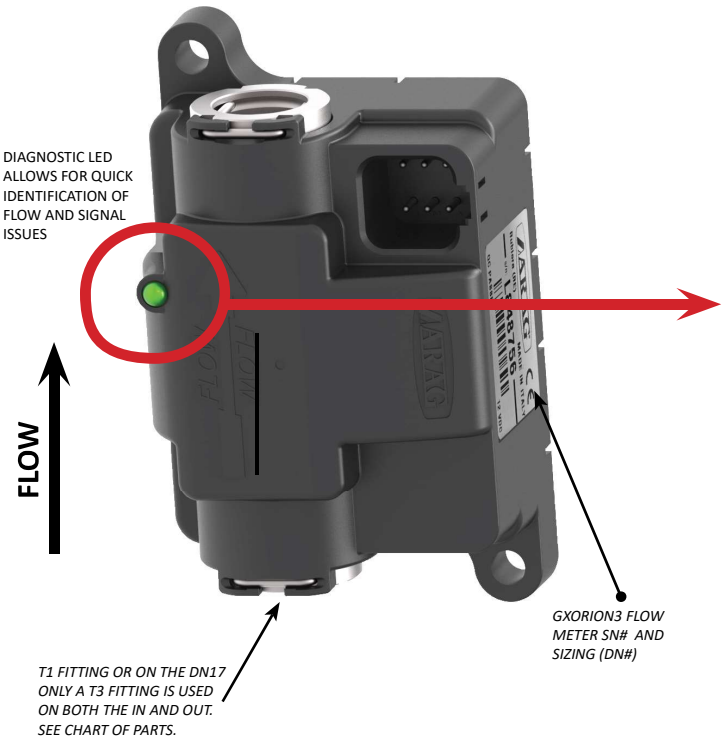
GXORION3 MAG FLOW METERS



	OFF	The flowmeter is not powered.
	GREEN FLASHER	The flowmeter is waiting to acquire an address on the CAN line to which it is connected.
	GREEN STEADY ON	Presence of **STILL** liquid inside the flowmeter.
	BLUE STEADY ON	The flowmeter is reading the passage of the liquid inside.
	VIOLET STEADY ON	No liquid has been detected inside the flowmeter.
	WHITE STEADY ON	Cleaning of the reading electrodes in progress.
	RED FLASHER	The error codes are indicated through blinks, which are described in the table on page 10.
	RED STEADY ON	**SEVERE ERROR**: contact a service center.
	ORANGE BLINKING	Device in bootloader mode for firmware upgrade.
	ORANGE STEADY ON	Device in bootloader mode.

THE STATUS LED INDICATES THE OPERATING STATUS OF THE DEVICE. AT STARTUP, DURING THE FIRST 5 SECONDS, ORION 3 DISPLAYS ITS CONFIGURATION REGARDLESS OF THE PRESENCE OF AN ALARM (GREEN LED FLASHING). EACH TYPE OF BLINKING (FLASHING) CORRESPONDS TO A SIGNAL AS INDICATED IN THE TABLE ABOVE.

GXORION3 FLOW CHART									
FLOW RANGE (GPM)	PULSES PER GALLON	JOHN DEERE GS2/GS3 2K LRCM		AG LEADER L1		TRIMBLE		AUTOX SPRAYMATE PLUS	
		DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#
.04 - 1.6 (DN3)	75708	YES	9464	YES	9464	NO	75708	YES	9464
.08 - 3.17 (DN4)	37854		4731		4731		37854		4731
.26 - 10.5 (DN7)	11356		1419	NO	11356		11356	NO	22710
.52 - 21 (DN10)	4245	NO	4542		4542		4542		9084
1.45 - 58 (DN	2063		2063		2063		2063		4126

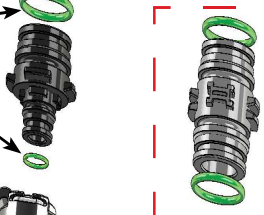
FLOW RANGE (GPM)	PULSES PER GALLON	RAVEN RCM		AG LEADER L2		MUELLER		GX8	
		DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#
.04 - 1.6 (DN3)	75708	YES	9464	YES	9464	NO	75708	YES	9464
.08 - 3.17 (DN4)	37854		4731		4731		37854		4731
.26 - 10.5 (DN7)	11356		1419	NO	11356		11356	NO	22710
.52 - 21 (DN10)	4542	NO	4542		4542		4542		9084
1.45 - 58 (DN17)	2063		2063		2063		2063		4126

WHEN USING A ORION3 FLOW METER ONE OF THE HARNESSES BELOW MUST BE USED FOR THE OEM CONTROLLER TO BE ABLE TO CALCULATE FLOW. SEE CHART ABOVE

GXORION3 ADAPTER HARNESS PN#13135	GXORION3 DIVIDE BY 8 (DB8) PN#13134

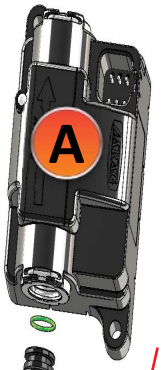
PN#	DESCRIPTION
54657	T3 3/4" HOSE BARB
54662	T3 3/4" HOSE BARB ELBOW
54658	T3 1" HOSE BARB
54661	T3 1" HOSE BARB ELBOW
13119	1" FLANGE TO T3F FITTING (SEE CHART FOR FLANGE FITTINGS)

54674 574	T3 GASKET VITON T3 GASKET BUNA
55744 571	T1 GASKET VITON T3 GASKET BUNA
55752	T1 FORK - NOT PICTURED



GXORION FLOW METERS

KIT PN#	DESCRIPTION	FLOW METER ONLY
13121	GXORION3 0.04 - 1.6 GPM DN3	57463
13122	GXORION3 0.08 - 3.17 GPM DN4	57462
13123	GXORION3 0.26 - 10.5 GPM DN7	13116
13124	GXORION3 0.52 - 21 GPM DN10	13117
13125	GXORION3 1.45 - 58 GPM DN17**	13120
KIT INCLUDES THE INLET/OUTLET ADAPTER FITTINGS AND MOUNTING SPACER.		



***NOTE: ONLY THE DN17 FLOW METER WILL REQUIRE USE OF THE T3 NIPPLE INLET/OUTLET.*

13126	SPACER
13118	T1 TO T3 REDUCING NIPPLE (NEED 1 EA OF T1 & T3 ORINGS - NOT INCLUDED)
55214	T3 NIPPLE** (NEED 2 -T3 ORINGS - NOT INCLUDED)
54677	T3 FORK - NOT PICTURED (USED HERE)

PN# 55744
T1 ORING

PN# 54674
T3 ORING

PN# 54674
T3 ORING

PN# 54674
T3 ORING

PN#	DESCRIPTION	REQUIRES CLAMP & GASKET
51312	1" FLANGE TO 3/4" HOSE BARB	CLAMP = PN#33132 GASKET = PN#50016
38254	1" FLANGE TO 3/4" HOSE BARB ELBOW	
51326	1" FLANGE TO 1" HOSE BARB	
51328	1" FLANGE TO 1" HOSE BARB ELBOW	
51320	1" FLANGE TO 1 1/4" HOSE BARB	
51321	1" FLANGE TO 1 1/4" HOSE BARB ELBOW	
51324	1" FLANGE TO 1 1/2" HOSE BARB ELBOW (NOT AVAILABLE IN A STRAIGHT HB)	

CLAMP/GASKET USED HERE TO AFFIX BARBED FITTING

AGXCEL
MAGNETIC/TURBINE FLOW METERS

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Serial number, flow meter range and calibration number are all listed on the side label.

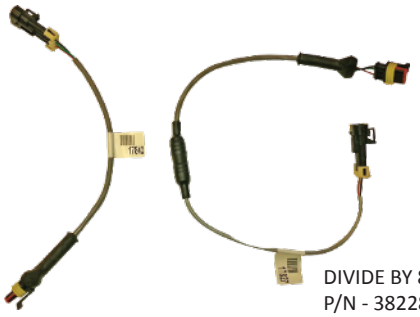
The new style Magnetic Flow Meters have a black body casing with an integrated AMP Super seal connector.

When using a magnetic flow meter one of the harnesses below must be used for the OEM controller to be able to calculate the flow. See chart below to see which harness is needed.

NOTE: RAVEN USES DIVIDE BY 8 HARNESS. 4400 USES REGULAR CABLE

FLOW RANGE (GPM) DIVIDE BY 8 REQUIRED	PULSES PER GALLON	JOHN DEERE GS2/GS3		AG LEADER		TRIMBLE		MICROTRAK	
		DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#
0.08 - 1.6	22710	YES	2839	NO	2839	NO	22710	NO	5677
0.13 - 2.6	22710	YES	2839	NO	2839	NO	22710	NO	5677
0.3 - 5	11355	YES	1419	NO	1419	NO	11355	NO	2839
0.6 - 13	4542	NO	4542	NO	4542	NO	4542	NO	1135
1.3 - 26	2271	NO	2271	NO	2271	NO	2271	NO	4542
2.6 - 53	1135	NO	1135	NO	1135	NO	1135	NO	2270

STANDARD ADAPTER HARNESS.
P/N - 53671



DIVIDE BY 8 HARNESS
P/N - 38228

AGXCEL TURBINE FLOW METERS

FM750 Reg
Micro-Trak Cal Number - 145 (SprayMate, Auto-X)
Pulses Per Gallon - 72.50 (JD, AGL, Trimble)
Pulses Per 10 Gallon - 725 (Raven)

FM750 LF
Micro-Trak Cal Number - 466 (Spraymate, Auto-X)
Pulses Per Gallon - 233 (JD, AGL, Trimble)
Pulses Per 10 Gallon - 2330 (Raven)

A controller that requires a DB8 harness is due to the fact that when inputting the flow meter cal number, some controllers can only input 4 digits. A DB8 harness will take the pulses per gallon and divide it by 8. Giving you a 4 digit cal number.

NOTE: To get the cal numbers for Micro-Trak controllers the formula is - Divide by 8, multiply by 2.

GX ORION MAGNETIC FLOW METER KITS		*FLOW METER ONLY*
KIT PN#	**DESCRIPTION**	**PN#**
54877	GXORION KIT - (0.08 TO 1.6 GPM) W/BRACKET & MOUNTING HARDWARE	**54250**
54876	GXORION KIT - (0.13 TO 2.6 GPM) W/BRACKET & MOUNTING HARDWARE	**34412**
54875	GXORION KIT - (0.3 TO 5 GPM) WI/BRACKET & MOUNTING HARDWARE	**34415**
54872	GXORION KIT - (0.6 TO 13 GPM) W/BRACKET & MOUNTING HARDWARE	**53615**
54874	GXORION KIT - (1.3 TO 26 GPM) W/BRACKET & MOUNTING HARDWARE	**53636**
54873	GXORION KIT - (2.6 TO 53 GPM) W/BRACKET & MOUNTING HARDWARE (1" FPT)	**37613**
55647	GXORION KIT - (2.6 TO 53 GPM) T5M W/BRACKET. MOUNTING HARDWARE & T5 FITTINGS (1 1/2" BARBS)	**55689**
**** See reverse page graph to see if magnetic flow meter requires standard or Divide by 8 Harness.****		

WOLF LOW FLOW	
INTEGRATION	CAL #
Micro-Trak (SprayMate, AutoX)	7680
Pulses Per Gallon (JD/AGL/Trimble)	3840
Pulses Per Gallon (Raven)	38400

WOLF REG FLOW	
INTEGRATION	CAL #
Micro-Trak (SprayMate, AutoX)	1890
Pulses Per Gallon (JD/AGL/Trimble)	945
Pulses Per Gallon (Raven)	9450

REQUIRES WOLF ADAPTER CABLE PN#55908

****NEW** WOLF TURBINE FLOW METER**		*FLOW METER ONLY*
KIT PN#	**DESCRIPTION**	**PN#**
55909	WOLF FLOW METER 2,5/50 LT FL. (.7-13GPM) T5 F/M ENDS, WOLF HARNESS ADAPTER, BRACKETING AND 3/4" BARB T5 FITTINGS)	**55864**
55911	WOLF FLOW METER 10/200 LT FL. (2.6 - 53 GPM) T5 F/M ENDS, WOLF HARNESS ADAPTER BRACKETING AND T5 FITTINGS (OPTIONS OF 3/4" OR 1" BARB)	**55910**

FM SENSOR CABLE -ONLY- PN#53552

TURBINE FLOW METER		*FLOW METER ONLY*
KIT PN#	**DESCRIPTION**	**PN#**
54870	AGXCEL LF FLOW METER, FM SENSOR CABLE WITH BRACKETING. GFN FLOW METER KIT .5-12 GPM (1.9-45LPM) 150 PSI, 3/4 FLOW METER	**20309**
54871	AGXCEL REG FLOW METER, FM SENSOR CABLE WITH BRACKETING. 2-40 GPM (6-150 LPM) 150 PSI, 3/4 FLOW	**38310**