



Matrix™ Total Fluid Management System

Automated, wireless oil dispense tracking and bulk tank monitoring



PROVEN QUALITY. LEADING TECHNOLOGY.

Save Time and Materials with Matrix

Automatic Fluid Management

The Matrix Total Fluid Management System provides automated tracking and monitoring plus state-of-the-art dispensing for complete control of your fluid inventory. Save time, gain billable hours and maximize your fixed operation's profitability with Matrix.



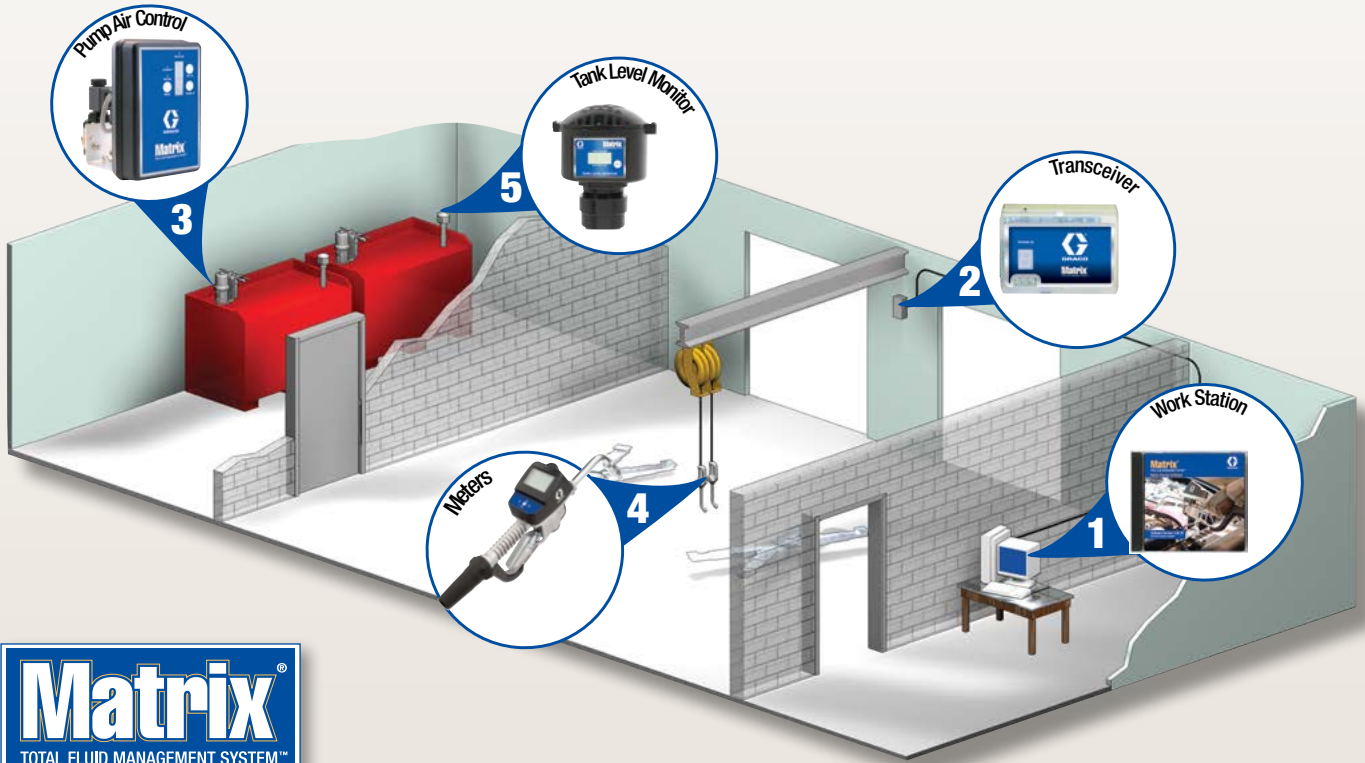
Automate Your Fluid Dispense:

- Reduce progress time and move more vehicles through your shop
- Reduce human error and inventory shortage
- Automatically post fluid dispenses to the work order
- Eliminate out-of-stock problems and over-fill tank issues - Matrix can automatically email fluid levels to oil suppliers and oil recyclers
- Interfaces provide secure, reliable data transfer between Matrix and the management software - *in progress*



Ideal for car dealerships, truck dealerships, off-road maintenance shops, including mining and construction, fleet facilities, fast lubes, service shops and in-plant applications

Fluid dispense and **inventory control** at your **fingertips** for petroleum, synthetic oil products and anti-freeze mixtures



5 Steps to Choose Your System

- 1 **Select Application Software**
Matrix offers three software platforms using the Matrix meter including Premier, Professional and Basic.
- 2 **Include a Transceiver**
Sends and receives information from the meters, Tank Level Monitors and Pump Air Control to the work station.
- 3 **Security with the Pump Air Control**
Supplies air to the pump only when Matrix authorizes the dispense.
- 4 **Performance of the Matrix Meter**
The Matrix Meter dispenses fluid and communicates dispense information wirelessly to the PC.
- 5 **The Time-Saving Tank Level Monitor**
Ultrasonic signal accurately measures fluid levels and communicates to used oil recyclers or bulk fluid suppliers.

Tracking dispenses right to the work order saves time and eliminates lost inventory

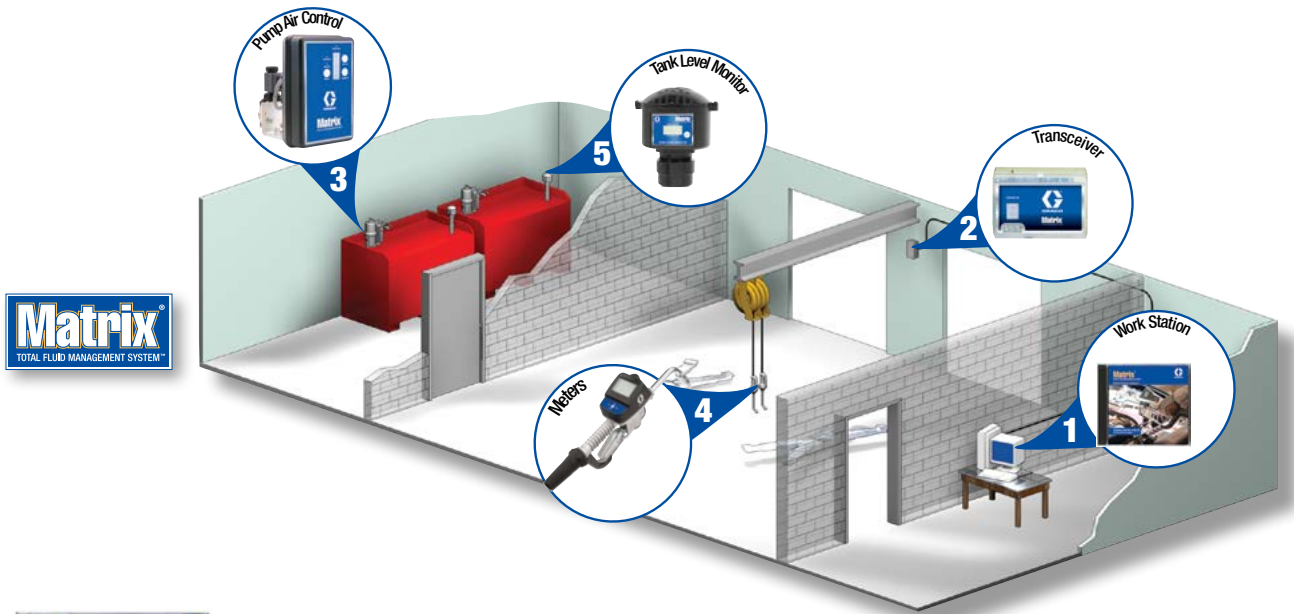


Matrix Application Features

Feature	Basic	Professional	Premier
Maximum Number of Transceivers	1	2	8
Maximum Number of Meters	30	100	300+
Maximum Number of Tank Monitors	0	12	50
Client PC Networking	0	6	300
Number of users	250	500	1000
Basic Reporting	X		
Comprehensive Reporting		X	X
Tank Level Email		X	X
Third Party Interface Capable		X	X
Track Dispense by Technician		X	X
Track Dispense by Vehicle Number			X

Note: All products have no fluid limit and are oil bar capable.

Matrix Total Fluid Management System



Choose the level of reporting and data you need, from basic to comprehensive. If your requirements change, it's easy to upgrade later.

MATRIX SOFTWARE INTERFACE

Part Number	Description
256634	Premier software CD
256635	Professional software CD
256636	Basic software CD
571072	Premier with Autoline Interface



Choose a transceiver and the connecting hardware for your shop layout to wirelessly send and receive information from your bulk tanks, pumps and meters.

TRANSCIVER AND CONNECTION HARDWARE

Part Number	Description
257464	Transceiver w/universal power adapter*
255731	USB/RS422 converter
15T999	USB Cable transceiver - 5m
15T998	USB Cable transceiver - 1m
119572	RS422 bulk wire (305m)

*Minimum one required



One PAC required for each air pump. For safety and increased security, the PAC is a must have to maximize your fluid management system. Designed to supply air to the pump only when Matrix authorizes the dispense.

PUMP AIR CONTROL (PAC)

Part Number	Description
247436	93 scfm valve for pump mount



Choose one TLM for each bulk fluid tank. Tank readings are automatic for used or new oil and anti-freeze products.

TANK LEVEL MONITOR (TLM)

Part Number	Description
256285	Tank Level Monitor

Matrix Total Fluid Management System



MATRIX ELECTRONIC DISPENSE METER 18,9 LPM OR LESS - ENGLISH - SPANISH - FRENCH

NPT	BSPP	BSPT	Description
256282	24H134	24H135	VALVE, METERED, MATRIX 5, RIGID EXT
256482	24H136	24H137	VALVE, METERED, MATRIX 5, FLEX EXT
256483	24H138	24H139	VALVE, METERED, MATRIX 5, GEAR LUBE
256484	24H140	24H141	VALVE, METERED, MATRIX 5, RIGID EXT ANTI FREEZE
256485	24H142	24H143	VALVE, METERED, MATRIX 5, FLEX EXT ANTI FREEZE

MATRIX ELECTRONIC DISPENSE METER 53 LPM OR LESS - ENGLISH - SPANISH - FRENCH

NPT	BSPP	BSPT	Description
256486	24H144	24H145	VALVE, METERED, MATRIX 15, RIGID EXT
256487	24H146	24H147	VALVE, METERED, MATRIX 15, FLEX EXT
256488	24H148	24H149	VALVE, METERED, MATRIX 15, RIGID EXT
257120	24H158	24H159	VALVE, METERED, MATRIX 15, FLEX EXT

MATRIX ELECTRONIC DISPENSE METER 18,9 LPM OR LESS - GERMAN - POLISH - ITALIAN

NPT	BSPP	BSPT	Description
24N582	24M065	24M066	VALVE, METERED, MATRIX 5, RIGID EXT
24N583	24M067	24M068	VALVE, METERED, MATRIX 5, FLEX EXT
24N584	24M069	24M070	VALVE, METERED, MATRIX 5, GEAR LUBE
24N585	24M071	24M072	VALVE, METERED, MATRIX 5, RIGID EXT ANTI FREEZE
24N586	24M074	24M075	VALVE, METERED, MATRIX 5, FLEX EXT ANTI FREEZE

MATRIX ELECTRONIC DISPENSE METER 53 LPM OR LESS - GERMAN - POLISH - ITALIAN

NPT	BSPP	BSPT	Description
24N588	24M076	24M077	VALVE, METERED, MATRIX 15, RIGID EXT
24N589	24M078	24M079	VALVE, METERED, MATRIX 15, FLEX EXT
24N592	24M080	24M081	VALVE, METERED, MATRIX 15, RIGID EXT
24N593	24M082	24M083	VALVE, METERED, MATRIX 15, FLEX EXT

Decide how many meters per work bay, which fluids you want to dispense and which extension type to use. High flow options are available to move more fluids faster.

Choosing the right system is easy!

INLET SWIVEL COVERS			
NPT	BSPP	BSPT	Description
15T366	125961	15T366	Black cover hose (standard)
15T367	126115	15T367	Red cover hose
15T368	126116	15T368	Blue cover hose
15T369	126117	15T369	Green cover hose
15T370	126118	15T370	Yellow cover hose

FILTER KITS AND MISCELLANEOUS ACCESSORIES	
Part Number	Description
255885	Filter kit includes (10) filters/strainers (15M308), (10) spacers (15M309), and (10) O-rings (155332)
15B750	Drum cover mount bracket
249440	Console bracket

OIL BAR KITS*	
Part Number	Description
255370	Oil bar kit for one Matrix meter
121082	Oil bar plate to mount up to three Matrix meters
256719	Complete oil bar assembly for three Matrix meters

(* The current oil bar (220107) will allow mounting one or two Matrix meters using kit (255370). If you wish to mount three Matrix meters to an existing oil bar (220107), you will need to order a new front plate (121082).

CLEANLINE™ FILTER ASSEMBLIES	
Part Number	Description
248421	62 bar (900 psi) tank mount
248418	62 bar (900 psi) wall mount
248419	124 bar (1800 psi) tank mount
248417	124 bar (1800 psi) wall mount

CLEANLINE ASSEMBLY REPLACEMENT FILTERS	
Part Number	Description
15D702	62 bar (900 psi) screw-on filter
119278	124 bar (1800 psi) filter element

Accessories

Protect the finish of the vehicle you're working on with an inlet swivel cover. Colour code your meters to easily identify which fluid you're dispensing.





ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

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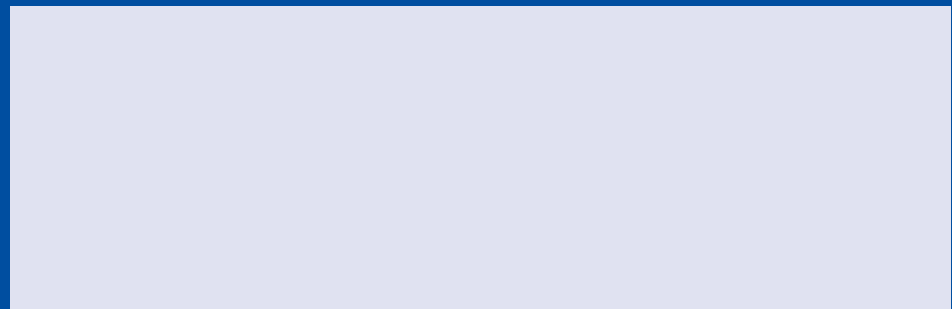
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All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.



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