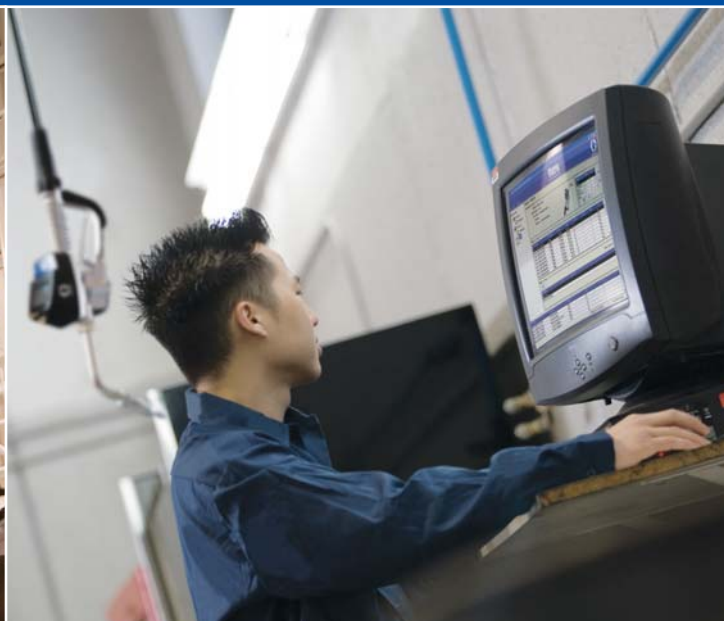




Matrix™ Total Fluid Management System

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.



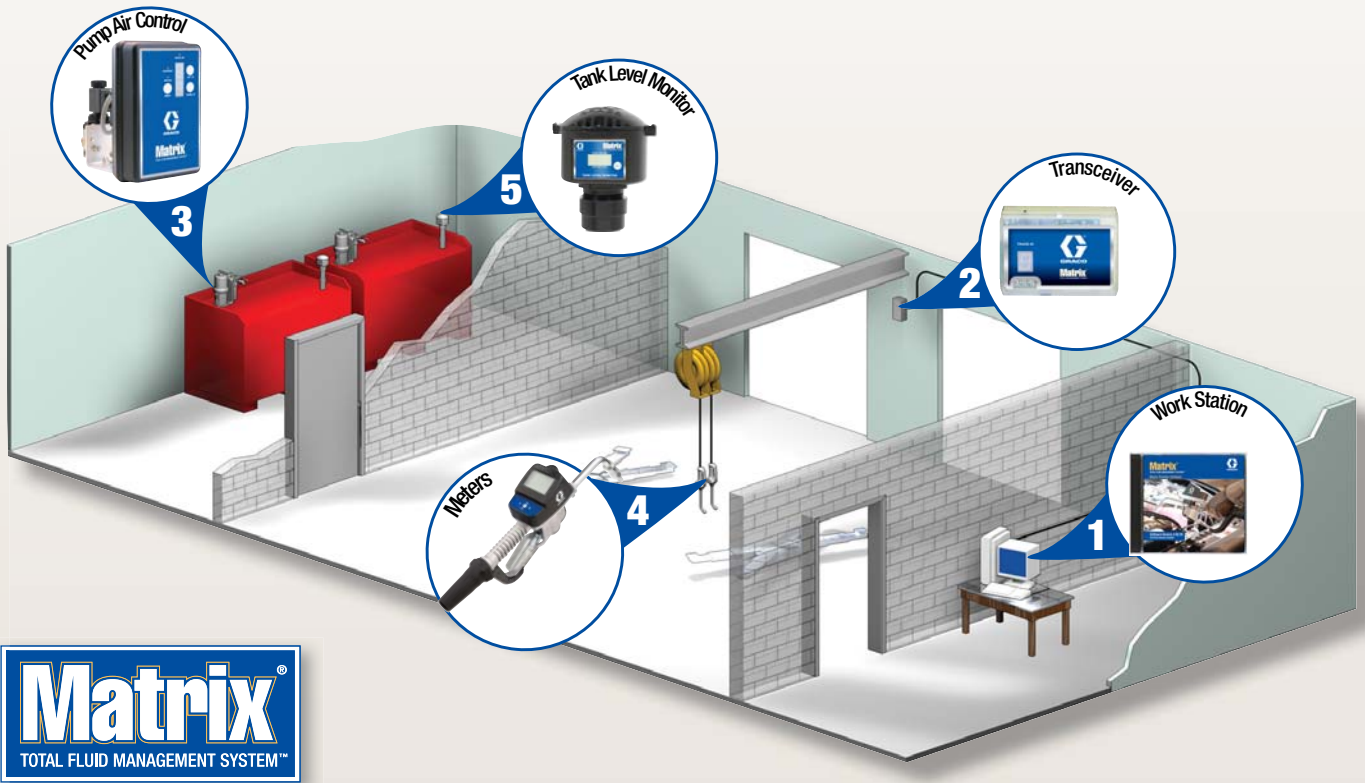
Automate Your Fluid Dispense:

- 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

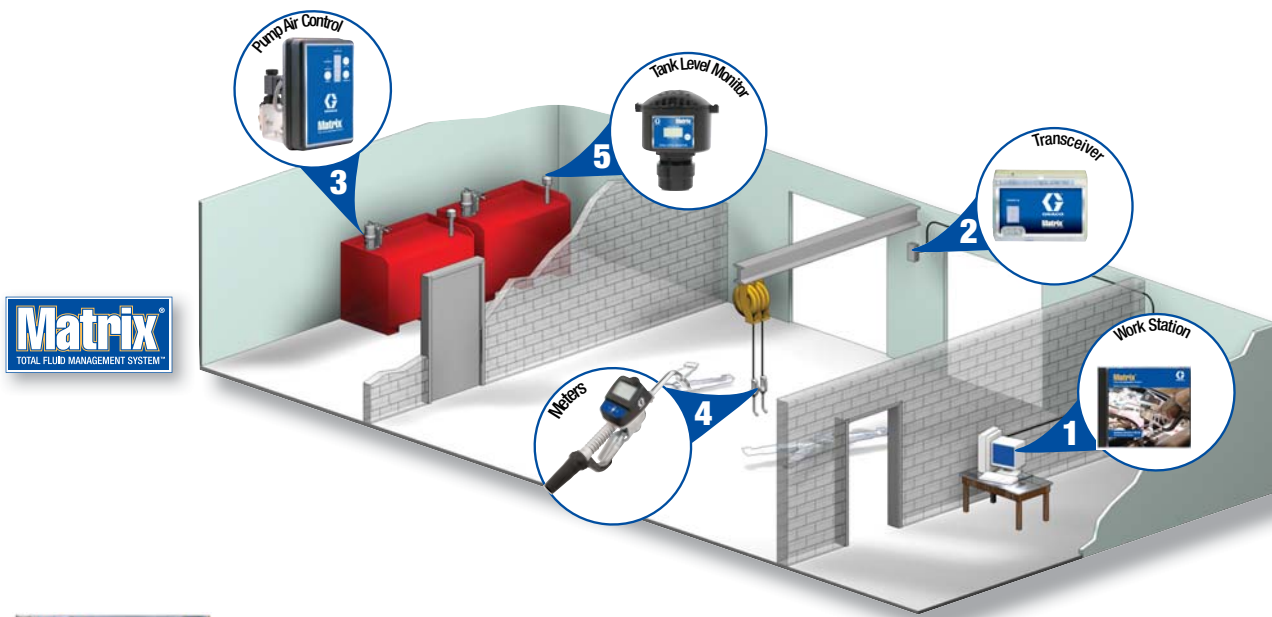


Matrix Application Features

| 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

PUMP AIR CONTROL (PAC)

| Part Number | Description |
|-------------|------------------------------|
| 247436 | 93 scfm valve for pump mount |



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.

TANK LEVEL MONITOR (TLM)

| Part Number | Description |
|-------------|--------------------|
| 256285 | Tank Level Monitor |



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

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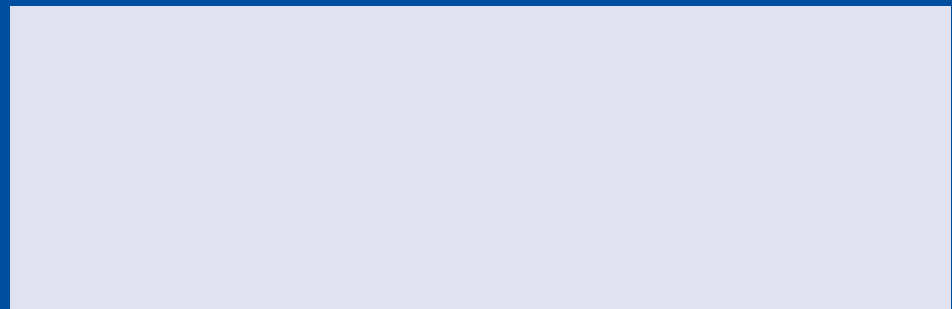
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All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.



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