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Comparison Chart

| | OriLink PC Basic functions OriLink | OilMon 800 Basic functions OilMon 800 | OilMon PC Basic functions OilMon PC |
|---|--|---|---|
| Max No. Hose Reels | 255 | 16 | 120 |
| Max No. Oil Grades | Unlimited | 8 | 16 |
| Max No. Keypads | Unlimited | 16 | 64 |
| Max No PIN Codes | Unlimited | 74 | Unlimited |
| Stores Control | • | • | • |
| Technician Access | • | • | • |
| Preset Dispense Qty. | • | • | • |
| Preset Codes | • | | • |
| Job No. Validation | • | | • |
| PC-connection | • | • | • |
| ADB integration, see below | • | • | • |
| Dealer Management System Interface, see below | • | • | • |
| More than one ticket printer | • | | • |
| Printout Data | | | |
| Date and time of dispense | • | • | • |
| Reel number identification | • | • | • |
| Job number (alphanumeric) | • | • | • |
| Unique transaction number | • | • | • |
| Fluid name and part number | • | • | • |
| Quantity dispensed in litres (two decimals) | • | • | • |
| Re-order Prompt | • | • | • |
| Total Sales Value | • | | • |
| Management Data | | | |
| Oil Usage by Grade | • | • | • |
| Oil Usage by Operator | • | | • |
| Oil Usage by Job No. | • | • | • |
| Oil Usage by Hose Reel No. | • | | • |
| Oil Usage by Transaction No. | • | • | • |
| Stock Re-order Report | • | • | • |
| Current Stock Level | • | • | • |
| Transaction Data Storage/Recall Facility | • | • | • |
| Waste Oil Control Facility | • | • | • |

ADB integrated systems (Aug 2004)

List of names:

Acosy, AD2000, Auto 2000, Automaster, Autovision, Axapta, Concord, Cosware, Dracar, GDS, Kerridge, Kobra 2, Maximo, Navision, Optima 21, Tacdis, Winassist, Universal Auto, Generic Text, Generic SQL.

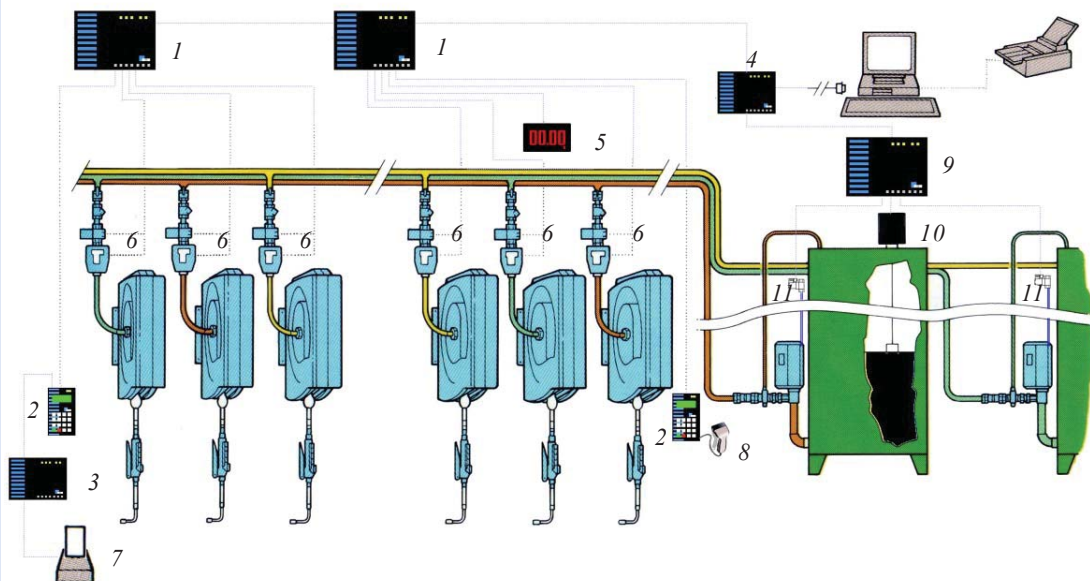
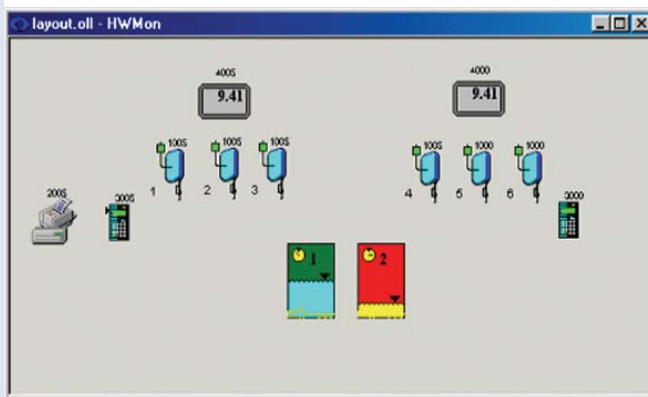
Alentec & Orion AB reserves the right to change specifications in this publication without notice.

OriLink

The OriLink system is an advanced oil management system with no upper limit for number of reels, oilgrades or reels used simultaneously. An overview of the workshop oil system layout is presented as miniatures on the screen where all activities are graphically visible in real time! As all data is stored in the Windows environment comprehensive management reports can be obtained by using the advanced report engine in the system, or by exporting data to a report engine or other computer systems used on site.




PC minimum requirements:

PC pentium 400 MHz
 256 Mb RAM memory
 2 Gb hard disc drive
 CD disc drive
 Windows 95 or higher



| Part.No | Pos | Description |
|----------|-----|---------------------------|
| 23400 | 1 | Main Module (MPDM) |
| 23401 | 2 | Keypad |
| 23402 | 3 | Printer Module |
| 23403 | 4 | PC-interface |
| 23404 | 5 | Digital LED Display |
| SPEC2289 | 6 | Flow Meter/Solenoid Valve |

| Part.No | Pos | Description |
|---------|-----|------------------|
| 23354 | 7 | Receipt Printer |
| 23407 | 8 | Bar Code Reader |
| 23408 | 9 | Tank Module |
| 2330287 | 10 | Tank Level Alarm |
| 48059 | 11 | Solenoid Valve |

| OriLink | Part.No | |
|---|---------|---|
| <p>Main Module (MPDM) Each MPDM has connections to control up to four solenoid valves and is equipped with a key switch with normal operation, emergency over-ride and On/Off functions. Suitable for meter units with flow direction function. 230-240 V AC power supply required</p> | 23400 |  |
| <p>Key Pad To be installed in the workshop in order to give the operator access to the system using a personal ID-code. 2x16 signs window, 20 buttons display. Can be equipped with serial port kit (23415) for external reader (23407 or 23409).</p> | 23401 |  |
| <p>Printer Module With the printer module it is possible to connect a printer to the system (Model 23354). When the system has no PC (Program 23413) the information is stored in the printer module. Maximum 912 transactions, 32 users and 8 tanks can be stored. A system can have more than one printer module where there is a need for more than one ticket printer.</p> | 23402 |  |
| <p>Communication adapter/ PC-interface For connecting the system to a PC. Can also be used as a line amplifier when the communication cable is longer than 2000 metre.</p> | 23403 |  |
| <p>LED Display Display with 40 mm numbers. Displays the dispensed volume. When equipped with a clock module or PC-connected it shows the actual time when the system is not in use. One extra port for a solenoid valve.</p> | 23404 |  |
| <p>Clock Module Can be mounted in a printer module or LED display for showing the actual time, when the system is not in use. Maximum one per system. Not required when a PC is included in the system.</p> | 23405 |  |
| <p>Tank Module The tank module has four connections for controlling air solenoid valves to start and stop the pumps and can also work together with a low level or low and re-order level sensor. Is equipped with a key switch with normal operation, emergency override and On/Off functions. Controls waste oil solenoid valves plus the re-order warning on the PC. This module only works together with PC software 23414. 230-240 V AC power supply required</p> | 23408 |  |

| OriLink | Part.No | |
|--|--|---|
| <p>Bar Code Reader Complete laser reader for both hand held and bracket mounted bar code reading. Reads all one dimensional codes. Supplied with trigger, cable, net adapter (230-240 V AC) and a bracket.</p> | 23407 |  |
| <p>Card Reader For both bar code and magnetic strip. Can read all the three tracks on the magnetic strips according to the ISO-standard. Cable and net adapter (230 V AC) are included.</p> | 23409 |  |
| <p>Serial Port Kit To connect the Bar Code or the Card readers to the Keypad (23401).</p> | 23415 | |
| <p>Basic Program Shows outlets and updates the printer module, user, tank register and simple export of transaction data to the PC.</p> | 23413 |  |
| <p>Professional Program PC database with report functions. Must be installed when the system is to be connected to an ADB system or when several printers are used.</p> | 23414 |  |
| <p>Ticket Printer 40 column dot matrix printer. Delivered complete with cables, paper and ribbon, ready for connection to the printer module in the system.</p> <p>Description Ticket printer, parallel</p> <p>Spare ticket roll for 23354</p> <p>Spare ink ribbon for 23354</p> | <p>23354</p> <p>23334</p> <p>23335</p> |  |
| <p>Communication Cable Two twisted pairs, each pair shielded 4-core 0,36 mm². Use between 23400-23408.</p> | 23411 | |
| <p>Control Cable 4-core 0,5 mm². Use between MPDM and meter/solenoid valve.</p> | 23393 | |

OilMon 800

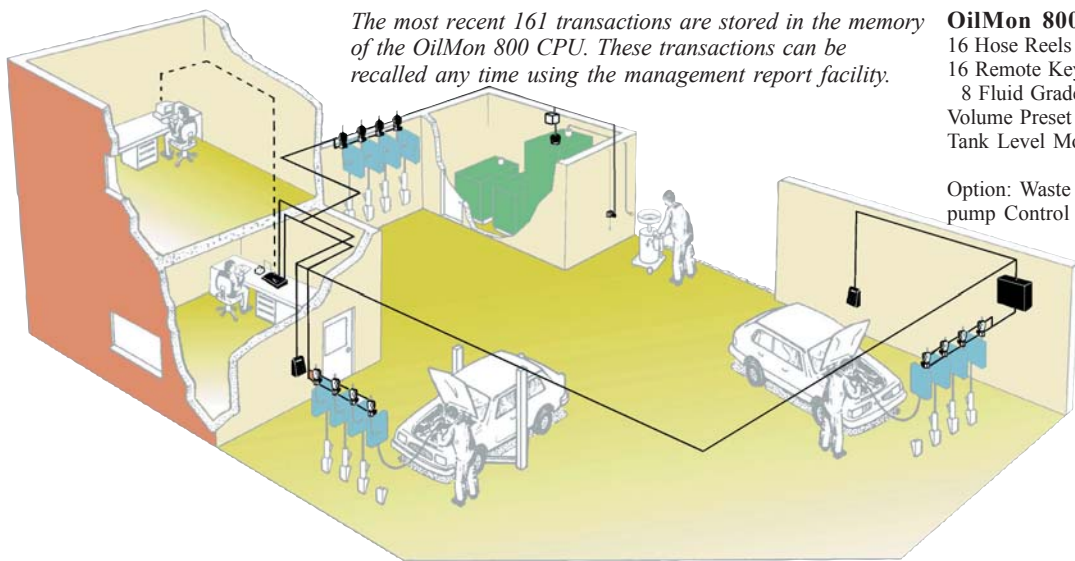
A system that provides a total monitoring system for oil and other fluids in the small to medium sized workshop. The system can be used either as a stores controlled or a remote access system, utilizing alpha numerical keypads, with operator ID security. The integrated bulk stock and waste oil control facility offers protection against both zero stock and waste oil tank overflow situations.

A maximum of 16 dispense points, dispensing up to 8 different oils/fluids can be monitored simultaneously.

Dispense points close automatically when either the preset volume is reached or following a pre determined period of inactivity (automatic timeout).

The printout contains the following data:

- Date and time of dispense
- Reel number identification
- Operator identification
- Job number (alpha numeric)
- Fluid name and part number
- Quantity dispensed in litres (with two decimals)
- Unique transaction number
- High waste level warning
- Low stock lever warning (for each tank)



The most recent 161 transactions are stored in the memory of the OilMon 800 CPU. These transactions can be recalled any time using the management report facility.

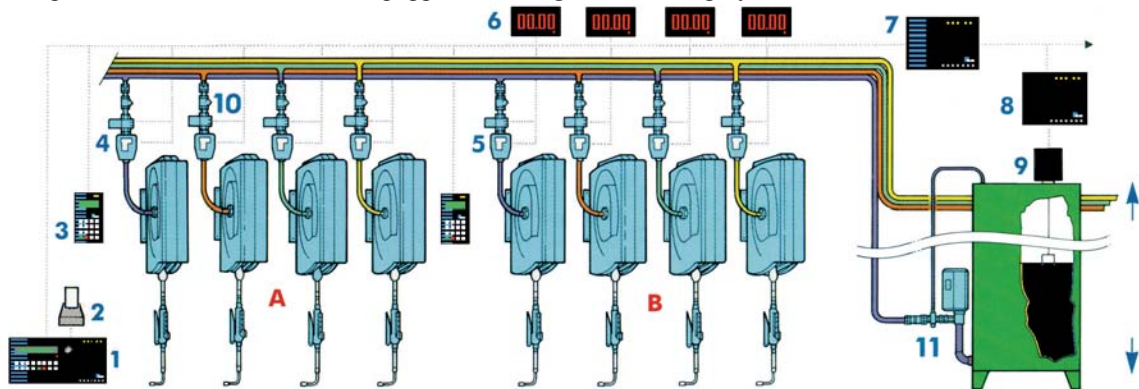
- OilMon 800**
 16 Hose Reels
 16 Remote Keypads
 8 Fluid Grades
 Volume Preset
 Tank Level Monitoring

Option: Waste Oil and pump Control

Alternative installations






Group of hose reels marked **A** shows a system without Digital LED Displays.

Group of hose reels marked **B** is equipped with Digital LED Displays.



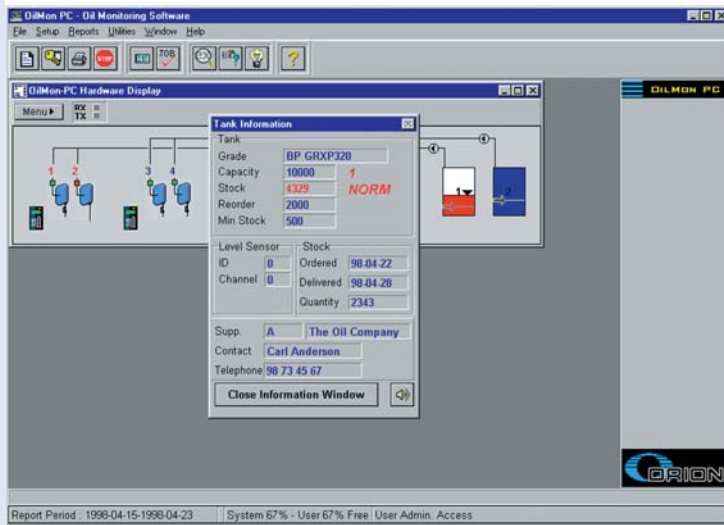
| Part.No | Pos | Description |
|----------|-----|---------------------------|
| 23380 | 1 | Central Unit |
| 23353 | 2 | Receipt Printer (serial) |
| 23352 | 3 | Remote Keypad |
| SPEC2290 | 4 | Flow Meter/Solenoid Valve |
| SPEC2289 | 5 | Flow Meter/Solenoid Valve |
| 23406 | 6 | Digital LED Display |

| Part.No | Pos | Description |
|---------|-----|----------------------|
| 23349 | 7 | I/O Module |
| 23565 | 8 | Tank Level Interface |
| 23566 | 9 | Tank Level Sensor |

| OilMon 800 | Part.No | |
|---|--|---|
| <p>Central Processing Unit (CPU) Connection for 8 dispense points and 8 remote keypads, receipt printer (serial), waste oil control equipment and 9-pin connector for RS232C communication with remote PC. 230-240 VAC power supply required.</p> | 23380 |  |
| <p>Remote Keypad To be mounted in the workshop enabling technician remote access to outlets/reels using alpha numerical ID authorisation. Sturdy metal casing for durability. 20 key alpha numeric keyboard and 2x16 digit bias lighted LCD-display.</p> | 23352 |  |
| <p>I/O Module Expansion module for increasing the systems capacity by an additional 8 dispense points and 8 keypads to a maximum capacity of 16 dispense points and 16 keypads. 230-240 VAC power supply required.</p> | 23349 |  |
| <p>Ticket Printer 40 column dot matrix printer adopted for OilMon tickets. Delivered complete with cables, paper and ribbon, ready for connection to the system.</p> <p>Description Ticket printer, serial for OilMon 800</p> <p> Spare ticket roll for 23353</p> <p> Spare ink ribbon for 23353</p> | <p>23353</p> <p>23334</p> <p>23335</p> |  |
| <p>Digital LED Display An LED-display with 40 mm digits, can be mounted at each dispense point, to enable the technician to monitor the dispensed volume. An alternative to a hose end meter. Equipped with “reel open” indication. NOTE! One display per flow meter will be required where this option is used.</p> | 23406 |  |
| <p>Tank Monitoring Monitors the levels in up to 4 bulk tanks.</p> <p>Description Tank level interface, 1-4 tanks</p> <p> Tank level sensor (one per tank)</p> | <p>23565</p> <p>23566</p> | |
| <p>Communication Cable 6-core 0,5mm². Use between Central Unit, I/O and keypads.</p> | 23391 | |
| <p>Communication Cable 4-core 0,5mm². Use between I/O and meter/solenoid valve.</p> | 23393 | |

OilMon PC Windows

The PC Windows system is an advanced oil management system capable of controlling up to 120 reels on up to 16 oilgrades. All reels can be used simultaneously. An overview of the workshop oil system layout is presented as miniatures on the screen where all activities are graphically visible in real time! As all data is stored in the Windows environment comprehensive management reports can be obtained by using the advanced report engine in the system, or by exporting data to a report engine or other computer systems used on site. The system is designed to suit any workshop size, but especially suitable for larger workshops. All existing OilMon 800 and PC-DOS systems can be upgraded to a Windows system



PC minimum requirements:

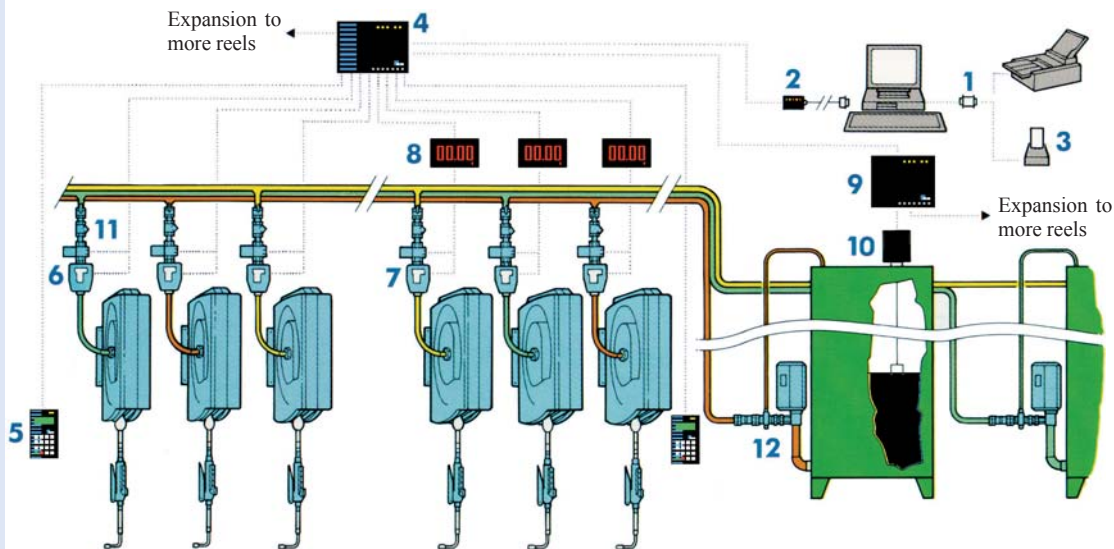
- PC pentium 400 MHz
- 256 Mb RAM memory
- 2 Gb hard disc drive
- CD disc drive
- Windows 95 or higher

OilMon PC Windows

Suitable for all system requirements





Existing OilMon 800 and DOS-versions can be upgraded

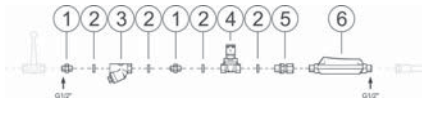
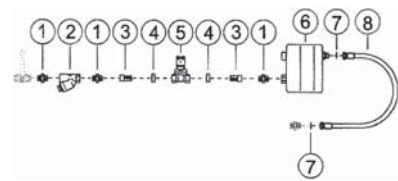




Please contact Orion or Your local dealer.



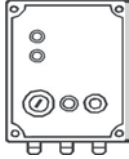




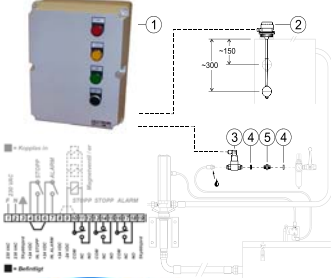
| Part.No | Pos | Description |
|----------|-----|---------------------------|
| 23341 | 1 | OilMon PC Access Key |
| 23363 | 2 | Communications/Power Unit |
| 23354 | 3 | Receipt Printer |
| 23349 | 4 | I/O Module |
| 23352 | 5 | Remote Keypad |
| SPEC2290 | 6 | Flow Meter/Solenoid Valve |

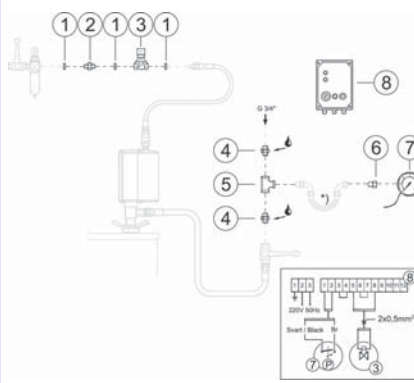
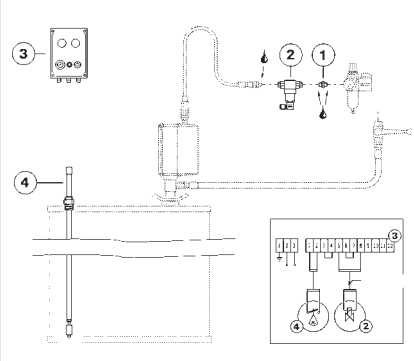
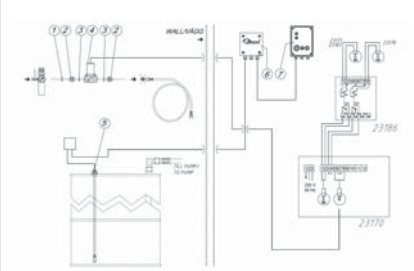
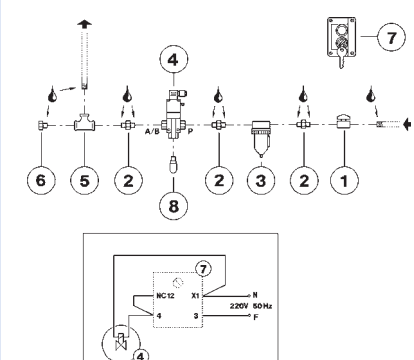
| Part.No | Pos | Description |
|----------|-----|---------------------------|
| SPEC2289 | 7 | Flow Meter/Solenoid Valve |
| 23406 | 8 | Digital LED Display |
| 23565 | 9 | Tank Level Interface |
| 23566 | 10 | Tank Level Sensor |
| | 11 | Strainer |
| | 12 | Pressure Relief Valve |

| OilMon PC | Part.No | |
|--|----------------------------------|---|
| <p>Software and Access Key OilMon PC fluid management program.</p> <p>Description Software with Access Key, Windows version</p> | 23341 |  |
| <p>Communication Adapter PC-interface For connection of external keypads and I/O modules to the PC. 230- 240 V AC power supply required.</p> | 23363 |  |
| <p>Remote Keypad To be mounted in the workshop enabling technician remote access to outlets/reels using alpha numerical ID authorisation. Sturdy metal casing for durability. 20 key alpha numeric keyboard and 2x16 digit bias lighted LCD-display.</p> | 23352 |  |
| <p>Remote Keypad (2 Channel) Same as 23352 with the possibility to connect two dispensing points, a serial ticket printer (23353) and/or bar code reader.</p> | 23365 |  |
| <p>I/O Module Expansion module for increasing the system capacity by an additional 8 dispense points , up to a maximum capacity of 120 dispense points. 230-240 VAC power supply required.</p> | 23349 |  |
| <p>I/O Module Combinet Same as 23349 with a built in terminal and possibility for connection of a serial ticket printer (23353), bar code reader and one waste oil control. 230 - 240 VAC power supply required.</p> | 23367 |  |
| <p>Tank Controls For connection to one waste oil tank and control of one air solenoid valve. See picture on page 117.</p> | 23337 | |
| <p>Digital LED Display An LED-display with 40 mm digits, can be mounted at each dispense point, to enable the technician to monitor the dispensed volume. An alternative to a hose end meter. Equipped with “reel open” indication. NOTE! One display per flow meter will be required where this option is used.</p> | 23406 |  |
| <p>Ticket Printer Delivered complete with cables, paper and ribbon, ready for connection to the system.</p> <p>Description</p> <ul style="list-style-type: none"> Ticket printer, parallel for OilMon PC Ticket printer, serial in combination with 23365 and 23367 Spare ticket roll Spare ink ribbon | 23354 23353 23334 23335 |  |
| <p>Communication Cable 6-core 0,5mm². Use between Central Unit, I/O and keypads.</p> | 23391 | |
| <p>Communication Cable 4-core 0,5mm². Use between I/O and meter/solenoid valve.</p> | 23393 | |

| Meter units | | | | Part.No | |
|---|--------------------------------|---|--------------------------|----------|---|
| <p>Line Meter Kit for Oil, Glycol, Anti freeze Line Meters with solenoid valves. Indicates open valve. Strainer part no 28022 included in SPEC2289 and SPEC2290.</p> | | | | | |
| Description | Max Pressure | Conn. thread | Postions Included | |  <p>SPEC2290 23355 SPEC2289 23376 23356</p> <p><i>SPEC2290 and SPEC2289</i></p> |
| Meter for oil 24738, solenoid valve 28127 | 5 MPa(50 bar) 328 pulses/l | G1/2" (m) | 1-6 | SPEC2290 | |
| Meter for oil 24738, solenoid valve 28127 | 5 MPa(50 bar) 328 pulses/l | G1/2" (m) | 4-6 | 23355 | |
| Meter for oil 24728, solenoid valve 28306 | 5 MPa(50 bar) 328 pulses/l | G1/2" (m) | 1-6 | SPEC2289 | |
| Meter for oil 24728, solenoid valve 28306 | 5 MPa(50 bar) 328 pulses/l | G1/2" (m) | 4-6 | 23376 | |
| Meter for oil 24722, solenoid valve 28127 | 5 MPa(50 bar) 100 pulses/l | G1/2" (m) | 4-6 | 23356 | |
| <p>Line Meter kit for Windscreen wash and Detergents Line Meter with solenoid valve. Indicates open valve. Strainer, part no 28022 included.</p> | | | | | |
| Description | | | | |  <p><i>SPEC7291</i></p> |
| Meter for oil, windscreen washer and detergents - incl. solenoid valve 28306 | 5 Mpa (50 bar) 328 pulses/l | Stainless Steel SS/ISO 2346 G1/2" (m) | Packings: Viton | SPEC7291 | |
| <p>Line Meter kit for Anti freeze and Detergents Line Meter with solenoid valve. Indicates open valve. Strainer part no 28022 included.</p> | | | | | |
| Description | | | | |  |
| Meter for antifreeze and detergents incl. solenoid valve 28306 | 5 Mpa (50 bar) 300 pulses/l | Brass G1/2" (m) | Packings: Viton | SPEC7292 | |
| <p>Line Meter Kit for Diesel Line Meter with solenoid valve. Display of current dispense and non resettable totalisers. Strainer, part no 28059 included.</p> | | | | | |
| Description | | | | |  |
| Meter for diesel incl. solenoid valve | 0,6 Mpa (6 bar) 10 pulses/l | G3/4" (m) | Packings: Viton | SPEC2292 | |
| <p>Meter Kit for Grease Meter kit with solenoid valve.</p> | | | | | |
| Description | | | | |  |
| Meter for grease incl. solenoid valve | 50 Mpa (500 bar) | G1/4" (f) | | SPEC3606 | |
| <p>Pulsation Damper Assembly Comprising a pulsation damper, non return valve and pressure relief valve with all necessary adapters to install at the pump outlet.</p> | | | | | |
| Description | | | | |  |
| Pulsation Damper Assembly | | | | 24846 | |

| Monitoring Equipment | | Part.No | | | | | | | | | | | | |
|--|---------------------------------|--------------------------|----------------|-----------------|--|---|--------------------------------|--|------------|--|---------------------------------|------------------------|-----------------|--|
| <p>Tank Level Alarm</p> <p>Reversible float to allow high level or low level sensing. Suitable for oil and diesel tanks. Alerts user when level has been reached. Low voltage, 9 V operated, no mains wiring required. Can be connected to remote visual alarm.</p> <p>Description Tank Level Alarm incl tank level sensor Tank Level Sensor, 5 metre cable included</p> | | <p>23449 2330287</p> | | | | | | | | | | | | |
| <p>Pressure Gauge/Low Pressure Switch</p> <p>Can be mounted in the outlet tubing for oil or grease to alarm and/or shut off the pump when the pressure is too low or too high. Will also prevent the pump from dry running in case of empty barrel. Built in adjustable pressure switch and micro switch (max 50 V 1A) incl. 1,5 m connection cable.</p> <p>Description</p> <table border="1"> <thead> <tr> <th></th> <th>Pressure range</th> <th>Conn. thread</th> <th>Diameter</th> </tr> </thead> <tbody> <tr> <td>Gauge with pressure switch, for oil</td> <td>0-10 MPa (0-100 bar, 1450 psi)</td> <td>G3/8" (m)</td> <td>ø100 mm</td> </tr> <tr> <td>Gauge with pressure switch, for grease</td> <td>0-80 MPa (0-800 bar, 11600 psi)</td> <td>G3/8" (m)</td> <td>ø100 mm</td> </tr> </tbody> </table> | | | Pressure range | Conn. thread | Diameter | Gauge with pressure switch, for oil | 0-10 MPa (0-100 bar, 1450 psi) | G3/8" (m) | ø100 mm | Gauge with pressure switch, for grease | 0-80 MPa (0-800 bar, 11600 psi) | G3/8" (m) | ø100 mm | <p>23060 23062</p> |
| | Pressure range | Conn. thread | Diameter | | | | | | | | | | | |
| Gauge with pressure switch, for oil | 0-10 MPa (0-100 bar, 1450 psi) | G3/8" (m) | ø100 mm | | | | | | | | | | | |
| Gauge with pressure switch, for grease | 0-80 MPa (0-800 bar, 11600 psi) | G3/8" (m) | ø100 mm | | | | | | | | | | | |
| <p>Waste Oil Control Equipment</p> <p>A level sensor (1) senses the level in the waste oil tank. At a pre determined level, a repeated warning of approaching high level is printed on the transaction printout. When the tank is full, the solenoid valve (3) shuts off the air supply to the waste oil discharge pump preventing an overflow situation. An EX ia-barrier (2) is installed between the level sensor and central unit to isolate the explosive environment inside the tank. (Dependent on local regulations or laws).</p> <p>Description</p> <table border="1"> <thead> <tr> <th></th> <th>Pos</th> </tr> </thead> <tbody> <tr> <td>Level sensor</td> <td>1</td> </tr> <tr> <td>EX ia-barrier [EEX ia] IIC appr (230.-240 V AC)</td> <td>2</td> </tr> <tr> <td>Solenoid valve, 24 V DC for air</td> <td>3</td> </tr> </tbody> </table> | | | Pos | Level sensor | 1 | EX ia-barrier [EEX ia] IIC appr (230.-240 V AC) | 2 | Solenoid valve, 24 V DC for air | 3 | <p>23132 23187 48059</p> | | | | |
| | Pos | | | | | | | | | | | | | |
| Level sensor | 1 | | | | | | | | | | | | | |
| EX ia-barrier [EEX ia] IIC appr (230.-240 V AC) | 2 | | | | | | | | | | | | | |
| Solenoid valve, 24 V DC for air | 3 | | | | | | | | | | | | | |
| <p>Solenoids for Air.</p> <p>For the control of oil and waste oil pumps. 24 V DC</p> <p>Description</p> <table border="1"> <thead> <tr> <th></th> <th>Conn. thread</th> </tr> </thead> <tbody> <tr> <td>Solenoid 24V AC</td> <td>G 1/4" (f)</td> </tr> <tr> <td>Solenoid 24V DC</td> <td>G 1/4" (f)</td> </tr> <tr> <td>Solenoid 24V DC</td> <td>G 1/2" (f)</td> </tr> <tr> <td>Solenoid 24V DC</td> <td>G 3/4" (f)</td> </tr> <tr> <td>Solenoid 24V AC/DC Ex.</td> <td>G 1/2" (f)</td> </tr> </tbody> </table> | | | Conn. thread | Solenoid 24V AC | G 1/4" (f) | Solenoid 24V DC | G 1/4" (f) | Solenoid 24V DC | G 1/2" (f) | Solenoid 24V DC | G 3/4" (f) | Solenoid 24V AC/DC Ex. | G 1/2" (f) | <p>48052 48059 48081 48082 48080</p> |
| | Conn. thread | | | | | | | | | | | | | |
| Solenoid 24V AC | G 1/4" (f) | | | | | | | | | | | | | |
| Solenoid 24V DC | G 1/4" (f) | | | | | | | | | | | | | |
| Solenoid 24V DC | G 1/2" (f) | | | | | | | | | | | | | |
| Solenoid 24V DC | G 3/4" (f) | | | | | | | | | | | | | |
| Solenoid 24V AC/DC Ex. | G 1/2" (f) | | | | | | | | | | | | | |
| <p>Solenoids for Fluids.</p> <p>For flow control. 24 V DC</p> <p>Description</p> <table border="1"> <thead> <tr> <th></th> <th>Conn.thread</th> <th>Max Pressure</th> </tr> </thead> <tbody> <tr> <td>Special solenoid for high viscosity fluids</td> <td>G 1/2"(f)</td> <td>5 MPa(50 bar)</td> </tr> <tr> <td>Solenoid for oil, glycol, wind screen fluids</td> <td>G 1/2"(f)</td> <td>5 MPa(50 bar)</td> </tr> <tr> <td>Solenoid for Grease</td> <td>G 1/4"(f)</td> <td>50 MPa(500 bar)</td> </tr> </tbody> </table> | | | Conn.thread | Max Pressure | Special solenoid for high viscosity fluids | G 1/2"(f) | 5 MPa(50 bar) | Solenoid for oil, glycol, wind screen fluids | G 1/2"(f) | 5 MPa(50 bar) | Solenoid for Grease | G 1/4"(f) | 50 MPa(500 bar) | <p>28127 28306 38013</p> |
| | Conn.thread | Max Pressure | | | | | | | | | | | | |
| Special solenoid for high viscosity fluids | G 1/2"(f) | 5 MPa(50 bar) | | | | | | | | | | | | |
| Solenoid for oil, glycol, wind screen fluids | G 1/2"(f) | 5 MPa(50 bar) | | | | | | | | | | | | |
| Solenoid for Grease | G 1/4"(f) | 50 MPa(500 bar) | | | | | | | | | | | | |

| Protection Kits | Part.No | | | | | | | | | |
|--|---------------------|---|---------------------------|-------------------|--------------------|----------------|----------------|---------------------------|-------|---|
| <p>Control Panel</p> <p>To protect pneumatic pumps for oil, grease etc. from dry pumping. To be used in applications where you want to have an automatic on/off function triggered by one or more sensors. Connects to 240 V AC 1 A, out 24 V AC for connection to solenoids.</p> | 23170 |  | | | | | | | | |
| <p>Tank Level Sensors, 60, 200 litres drums & 1000 litres containers.</p> <p>Switch on/off when the liquid level is appr. 30 mm from the bottom. 24 V DC 1 A. Fits in the drums 3/4" thread. Max height of container 1080 mm.</p> <p>Description</p> <p>Level sensor, switch off with low level, for oil. 23171</p> <p>Level sensor, switch on/off with low level, for alcohol and similar. Reversible float. 23183</p> <p>2-level sensor, switch off with low level and warning 300 mm from bottom, for oil. 23191</p> <p>2-level sensor, switch off with low level and warning 300 mm from bottom, for alcohol and similar. 23192</p> <p>Level sensor for tank, see page 117 2330287</p> | |  | | | | | | | | |
| <p>Control Panel, for tank or drum.</p> <p>Control panel for one waste oil tank or low level and reorder level in a drum. When the middle lamp is lit the waste oil tank needs emptying. When the upper lamp lights, the waste oil tank is full. At the same time a relay closes the solenoid valve in the waste oil pump air line preventing the the oil tank from being overfilled. [EEX ia] IIC appr.</p> <table border="1" data-bbox="209 1160 852 1211"> <thead> <tr> <th>Description</th> <th>Power supply</th> <th>Signal power</th> <th>Dimensions</th> </tr> </thead> <tbody> <tr> <td>Control box</td> <td>230-240V, 50Hz</td> <td>24V, DC, 100VA</td> <td>310x240x160mm</td> </tr> </tbody> </table> | Description | Power supply | Signal power | Dimensions | Control box | 230-240V, 50Hz | 24V, DC, 100VA | 310x240x160mm | 23189 |  |
| Description | Power supply | Signal power | Dimensions | | | | | | | |
| Control box | 230-240V, 50Hz | 24V, DC, 100VA | 310x240x160mm | | | | | | | |
| <p>Level Switch, Waste Oil</p> <p>For control of waste oil tank level. Equipped with two switch levels. The lower is 300 mm from the tank top and the upper 150 mm from the tank top. Other levels possible on special request. The body is equipped with a terminal strip for the connection of cables. Conn. thread G 2" (m)</p> | 23132 |  | | | | | | | | |
| <p>Overflow Protector</p> <p>For oil tanks. Designed for connection to the over flow system of the supply tanker. Level switch with thermo element. Connection plug for mounting at filling coupling included.</p> <table border="1" data-bbox="209 1619 852 1720"> <thead> <tr> <th>Description</th> <th>Length level switch</th> <th>Length electric cable</th> <th>Connection thread</th> </tr> </thead> <tbody> <tr> <td>Overflow protector</td> <td>200 - 500 mm</td> <td>15 m</td> <td>G1/2" (m), clamp coupling</td> </tr> </tbody> </table> | Description | Length level switch | Length electric cable | Connection thread | Overflow protector | 200 - 500 mm | 15 m | G1/2" (m), clamp coupling | 23163 |  |
| Description | Length level switch | Length electric cable | Connection thread | | | | | | | |
| Overflow protector | 200 - 500 mm | 15 m | G1/2" (m), clamp coupling | | | | | | | |
| <p>Two Stage Alarm equipment for Waste Oil</p> <p>The equipment is EX-classified in accordance with waste oil handling regulations. The box can handle 6 different solenoid valves (24 V DC).</p> <ol style="list-style-type: none"> Control panel 23189 Level switch 23132 Solenoid valve 48059 | SPEC8041 |  | | | | | | | | |

| Protection Kits | Part.No |
|--|---|
| <p>Pump Protection Kit for Oil and Grease Pumps</p> <p>Used to prevent air from entering the pump tube and dry running the pump when the drum is empty. Pressure sensor, resistant to fluids. Equipment delivered unassembled in a kit, the major items are:</p> <p>3 Solenoid valve, 24V AC, G1/4" (f) (48052) 8 Control panel, 220V/24V AC (23170) 7 Pressure sensor (23062), gauge</p> | <p>SPEC8010</p>  |
| <p>Pump Protection Kit, Oil and Liquid Pumps</p> <p>Used to prevent air from entering the pump tube and dry running the pump when the drum is empty. Level sensor made of plastic, resistant to fluids commonly supplied in 205 litre drums. Equipment delivered unassembled in a kit consisting of the following:</p> <p>1 Adapter, G1/4" (m) 2 Solenoid valve, 24V AC, G1/4" (f) (48052) 3 Control panel, 220V/24V AC (23170) 4 Low level sensor (23171), (for alcohol use 23183)</p> | <p>SPEC8020</p>  |
| <p>Pump Protection Kit for Pumps in EX proof areas.</p> <p>Used to prevent air from entering the pump tube and dry running the pump when the drum is empty. Level sensor made of plastic, resistant to fluids commonly supplied in 205 litre drums. Equipment delivered unassembled in a kit consisting of the following:</p> <p>4 Solenoid valve, 24V AC, G1/2" (f) (48080) 7 Control panel, 220V/24V AC (23170) 5 Low level sensor (23183), (for oil use 23171, not included) 6 Ex ia barrier (EEX ia) 11C appr (23187), 230-240 V AC</p> | <p>SPEC8021</p>  |
| <p>Key Switch and Solenoid Valve</p> <p>Equipment for switching on/off the air supply to oil and grease pumps in the pump room. Comprising an air filter, three way air solenoid valve, 220V 50Hz, cased lockable start button with signal lamp, manual shut off valve and G1/2" (f) connection thread.</p> | <p>SPEC8070</p>  |

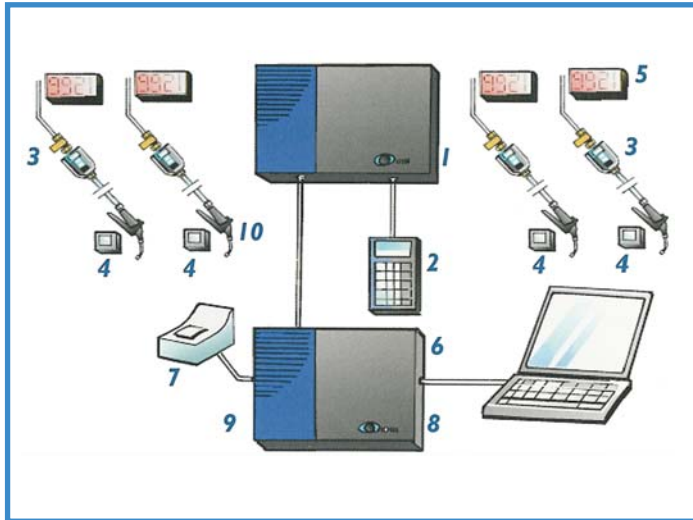
Dosing Equipment

Part.No

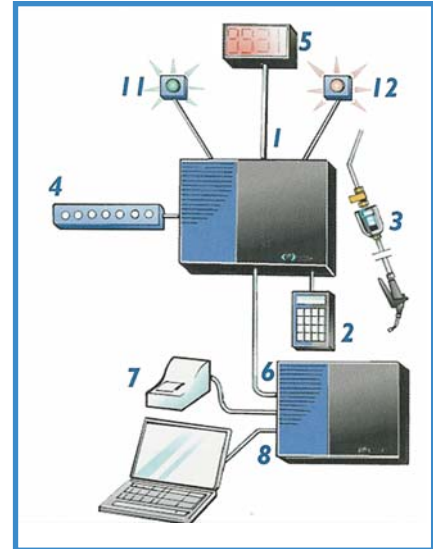
Dosing Equipment

The picture shows two different examples of dosing equipment for oil. This is to illustrate how easy it is to make a dosing equipment solution for individual requirements on oil, grease or other fluids. Please contact us for further information.

Example 1



Example 2



Description

- 23400 MPDM
- 23401 Keypad
- SPEC2290 (can be replaced with a grease distribution unit)
- Push Button*
- 23404 LED Display
- 23402 Printer Module
- 23354 Printer
- 23403 Communication adapter OriLink PC-interface
- 23413 Software OriLink PC-connection
- 2468010 Hose End Control
- Dispense OK signal
- Dispense Fault signal

*The dispense can be started with a bar code reader

Pos

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Preset Dosing Equipment

For dosing of fluids and grease. Suitable for industrial use. High quality shock proof box with metal buttons. One dispense point up to 16 selectable programmable preset volumes, 1- 999 pulses/litre, 230 -240 VAC. To be used with SPEC2290 or SPEC2289 (see below). Line Meters with solenoid valves. Indicates open valve. Strainer part no 28022 included in SPEC2289 and SPEC2290.

23455



| Description | Max Pressure Pulses | Conn. thread | Postions Included |
|--|-------------------------------|-----------------|----------------------|
| Meter for oil 24738, solenoid valve 28127 | 5 MPa(50 bar) 328 pulses/l | G1/2" (m) | 1-6 |
| Meter for oil 24728, solenoid valve 28306 | 5 MPa(50 bar) 328 pulses/l | G1/2" (m) | 1-6 |

SPEC2290

SPEC2289

