01 LPG FILLING PLANT PRODUCTS AND EQUIPMENTS
DM electronic filling scale is used for 8~15kg jumbo valve and f valve lpg cylinders' filling.

Certificates: 2014/34/eu atex, oiml r76, ce (2284)

Advantages of the filling scales:
• Long lived and durable ex-proof loadcell (c3)
• Easy set-up and utilization
• Adjustable (different cylinder diameters)
• Tested secure system
• Requires at minimum level maintenance and service
• Low energy and air consumption
• Easy-to use menu and readable blue led screen
• Synchronized with pc and data collection
DM ELECTRONIC FILLING SCALE – PNEUMATIC FILLING HEAD/INDUSTRIAL TYPE

**Description**

DM electronic filling scale is used for 15~50kg jumbo valve or self closing valve lpg cylinders’ filling.

Certificates: 2014/34/eu atex, oiml r76, ce (2284)

Advantages of the filling scales:
- Long lived and durable ex-proof loadcell (c3)
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low energy and air consumption
- Easy-to use menu and readable blue led screen
- Synchronized with pc and data collection

Product Code: DM-EFSIF-045/120

DM ELECTRONIC FILLING SCALE – MULTI TYPE FILLING HEAD

**Description**

DM electronic filling scale is used for 2~50kg all type valve lpg cylinders’ filling. (All in one)

Certificates: 2014/34/eu atex, oiml r76, ce (2284)

Advantages of the filling scales:
- Long lived and durable ex-proof loadcell (c3)
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low energy and air consumption
- Easy-to use menu and readable blue led screen
- Synchronized with pc and data collection

Product Code: DM-EFSMT-045/120
**Product Name**

DM ELECTRONIC FILLING SCALE – PNEUMATIC FILLING GUN

**Description**

DM electronic filling scale is used for 8~15kg f valve lpg cylinders' filling.

Certificates: 2014/34/eu atex, oiml r76, ce (2284)

Advantages of the filling scales:
- Long lived and durable ex-proof loadcell (c3)
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low energy and air consumption
- Easy-to use menu and readable blue led screen
- Synchronized with pc and data collection

**Product Code**

DM-EFSHM-045/060

---

**Product Name**

DM ELECTRONIC FILLING SCALE – PNEUMATIC FILLING GUN/INDUSTRIAL TYPE

**Description**

DM electronic filling scale is used for 2~50kg all type valve lpg cylinders' filling.

Certificates: 2014/34/eu atex, oiml r76, ce (2284)

Advantages of the filling scales:
- Long lived and durable ex-proof loadcell (c3)
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low energy and air consumption
- Easy-to use menu and readable blue led screen
- Synchronized with pc and data collection

**Product Code**

DM-EFSIM-045/120
DM electronic filling scale is used for 8~15kg jumbo valve or self closing valve lpg cylinders' filling.

Certificates : 2014/34/eu atex , oiml r76, ce (2284)

Advantages of the filling scales :
• Long lived and durable ex-proof loadcell (c3)
• Easy set-up and utilization
• Adjustable (different cylinder diameters)
• Tested secure system
• Requires at minimum level maintenance and service
• Low energy and air consumption
• Easy-to use menu and readable blue led screen
• Synchronized with pc and data collection
### MECHANIC FILLING SCALES

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM MECHANIC FILLING SCALE – DOUBLE FILLING HEAD/WITH TABLE</td>
<td>DM mechanic filling scale is used for 2~15kg jumbo valve or self closing valve lpg cylinders’ filling. Certificates : 2014/34/ue atex, ce (2284), patent</td>
</tr>
<tr>
<td>Product Code</td>
<td>Advantages of the filling scales :</td>
</tr>
</tbody>
</table>
| DM-MFSMR-032 | • Long lived and durable scales  
| | • Easy set-up and utilization  
| | • Adjustable (different cylinder diameters)  
| | • Tested secure system  
| | • Requires at minimum level maintenance and service  
| | • Low air consumption  
| | • Easy-to use scale |

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<tr>
<td>DM MECHANIC FILLING SCALE – DOUBLE FILLING HEAD</td>
<td>DM mechanic filling scale is used for 2~15kg jumbo valve or self closing valve lpg cylinders’ filling. Certificates : 2014/34/ue atex, ce (2284), patent</td>
</tr>
<tr>
<td>Product Code</td>
<td>Advantages of the filling scales :</td>
</tr>
</tbody>
</table>
| DM-MFSHD-032 | • Long lived and durable scales  
| | • Easy set-up and utilization  
| | • Adjustable (different cylinder diameters)  
| | • Tested secure system  
| | • Requires at minimum level maintenance and service  
| | • Low air consumption  
| | • Easy-to use scale |
Product Name
DM MECHANIC FILLING SCALE – PNEUMATIC FILLING HEAD

Product Code
DM-MFSF-032

Description
DM mechanic filling scale is used for 2~15kg jumbo valve or self closing valve lpg cylinders' filling.

Certificates: 2014/34/eu atex, ce (2284), patent

Advantages of the filling scales:
• Long lived and durable scales
• Easy set-up and utilization
• Adjustable (different cylinder diameters)
• Tested secure system
• Requires at minimum level maintenance and service
• Low air consumption
• Easy-to use scale

Product Name
DM MECHANIC FILLING SCALE – PNEUMATIC FILLING HEAD/INDUSTRIAL TYPE

Product Code
DM-MFSF-110

Description
DM mechanic filling scale is used for 15~50kg jumbo valve or self closing valve lpg cylinders’ filling.

Certificates: 2014/34/eu atex, ce (2284), patent

Advantages of the filling scales:
• Long lived and durable scales
• Easy set-up and utilization
• Adjustable (different cylinder diameters)
• Tested secure system
• Requires at minimum level maintenance and service
• Low air consumption
• Easy-to use scale
# MECHANIC FILLING SCALES

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM MECHANIC FILLING SCALE – MULTI TYPE HEAD/MOVING HEAD/ROTARY HEAD</td>
<td>DM mechanic filling scale is used for 2~50kg jumbo valve and self closing valve lpg cylinders’ filling.</td>
</tr>
<tr>
<td><strong>Product Code</strong></td>
<td><strong>DM-MFSMS-110</strong></td>
</tr>
<tr>
<td><strong>Product Code</strong></td>
<td><strong>DM-MFSMH-032</strong></td>
</tr>
<tr>
<td><strong>Certificates</strong></td>
<td><strong>2014/34/eu atex , ce (2284), patent</strong></td>
</tr>
</tbody>
</table>

Advantages of the filling scales:
- Long lived and durable scales
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low air consumption
- Easy-to use scale
DM MECHANIC FILLING SCALE – MULTI TYPE HEAD

**Description**
DM mechanic filling scale is used for 2~50kg all valve lpg cylinders' filling. (All in one)

**Certificates**
- 2014/34/eu atex, ce (2284), patent

**Advantages of the filling scales**
- Long lived and durable scales
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low air consumption
- Easy-to use scale

**Product Code**
DM-MFSMT-110

---

DM MECHANIC FILLING SCALE – MULTI TYPE / ROTARY HEAD

**Description**
DM mechanic filling scale is used for 2~15kg jumbo valve or self closing valve and f valve lpg cylinders' filling.

**Certificates**
- 2014/34/eu atex, ce (2284) patent

**Advantages of the filling scales**
- Long lived and durable scales
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low air consumption
- Easy-to use scale

**Product Code**
DM-MFSHR-032
**Product Name**

DM MECHANIC FILLING SCALE – PISTON FILLING HEAD (INDUSTRIAL TYPE)

**Description**

DM mechanic filling scale is used for 15~50 kg jumbo or self closing valve lpg cylinders' filling.

**Product Code**

DM-MFSIC-110

**Certificates**

2014/34/eu atex, ce (2284), patent

**Advantages of the filling scales:**

- Long lived and durable scales
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low air consumption
- Easy-to-use scale

---

**Product Name**

DM MECHANIC FILLING SCALE – PISTON FILLING HEAD/CAMPING TYPE

**Description**

DM mechanic filling scale is used for 2~8 kg jumbo valve or self closing valve lpg cylinders' filling.

**Product Code**

DM-MFSCC-010

**Certificates**

2014/34/eu atex, ce (2284), patent

**Advantages of the filling scales:**

- Long lived and durable scales
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low air consumption
- Easy-to-use scale
DM MECHANIC FILLING SCALE – PNEUMATIC FILLING GUN (INDUSTRIAL TYPE)

DM mechanic filling scale is used for 15~50kg valve lpg cylinders' filling.

Certificates: 2014/34/eu atex, ce (2284), patent

Advantages of the filling scales:
- Long lived and durable scales
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low air consumption
- Easy-to-use scale

DM-MFSIM-110

DM MECHANIC FILLING SCALE – PISTON FILLING HEAD

DM mechanic filling scale is used for 8~15 kg jumbo valve or self-closing valve lpg cylinders' filling.

Certificates: 2014/34/eu atex, ce (2284), patent

Advantages of the filling scales:
- Long lived and durable scales
- Easy set-up and utilization
- Adjustable (different cylinder diameters)
- Tested secure system
- Requires at minimum level maintenance and service
- Low air consumption
- Easy-to-use scale

DM-MFSHC-032
**Product Name**  
DM MECHANIC FILLING CAROUSEL

**Description**

DM mechanic filling carousel is used for big capacity lpg cylinders’ filling.

**Advantages of the filling carousel:**
- Long lived and durable chasis
- Easy set-up and utilization
- Tested secure system
- Requires at minimum level maintenance and service
- Ergonomics at central tare encoding
- According the filling capacity it is produced with desired diameters.

30 sec.  
36 sec.
DM electronic filling carousel is used for big capacity LPG cylinders' filling.

**Advantages of the filling carousel:**
- Long lived and durable chassis
- Easy set-up and utilization
- Tested secure system
- Requires at minimum level maintenance and service
- Ergonomics at central tare encoding
- According the filling capacity it is produced with desired diameters.
- High safety electronic network and power connector

info@durulsan.com
www.durulsan.com

LPG EQUIPMENTS and PLANT PRODUCT
CONVEYOR LINES

**Product Name**
DM DRIVING UNIT – FOR CONVEYOR LINE WITH CHAIN

**Description**
DM driving unit runs conveyor belt; driving power is provided by electrical engine and reductor group.

**Advantages of the driving unit:**
- There is no need to use soapsuds or lubricating system thanks to it’s polyamide base plates which are used at chain house.
- Modular system. It can be produced in all desired lengths.
- It can be produced in various diamensions.
- It provides to adjust velocity. (Under the condition that using just one inverter)
- It’s engine is ex-proof electrical engine.
- Foot height is adjustable.
DM CONVEYOR LINE – WITH CHAIN

**Product Name**

**Description**

DM conveyor line: it provides movement of lpg cylinders from one point to another safely and snappily. Manual transportation procedures are done on it’s belt. Thanks to this, it takes work load from operators.

**Advantages of the conveyor line:**

- There is no need to use soapsuds or lubricating system thanks to it’s polyamide base plates which are used at chain house.
- Modular system. It can be produced in all desired lengths.
- It can be produced in various diamensions.
- Adjustable Foot height.
### TELESCOPIC CONVEYOR

**Product Name**
- DM TELESCOPIC CONVEYOR –WITH CHAIN

**Description**
DM telescopic conveyor: it provides direct transportation of lpg cylinders to conveyor belt, filling scales or all other machines

**Advantages of the telescopic conveyor:**
- Increase in capacity of filling and discharging
- Reduction in potential transportation damages
- Disburden work load of customers & vehicle loading-unloading with less work power.

### LEAK DETECTORS

**Product Name**
- DM LEAK DETECTOR -MANUAL TYPE

**Product Code**
- DM-MLDF-017 (FOR F VALVE OR POLL VALVE)
- DM-MLDS-020 (FOR JUMBO OR SELF CLOSING VALVE)

**Description**
It is used manually (hand-held) or with balancer. Leakage control is done with water in transparent tubes. If there is a leakage, there will be seen water blisters.

**Advantages of the leak detector:**
- Easy to use, portable and pratic
- Take a small place
- Can be produced for all cylinder valves
- Can be used manually or used as a unit with a connection of balancer system. There is no air-electricity consumption.
DM LEAK DETECTOR – AUTOMATIC

**Product Code**
DM-LDA-3000

**Description**
If it founds a leakage, it will separate the cylinder from the conveyor belt automatically.

Certificates: 2014/34/eu atex, ce (2284)

Advantages of the leak detector:
- It provides transportation of 100% tested and fully filled cylinders to the last user.
- Savings from operator workforce thanks to being automatic.
- Easy installation, easy-to-use, and easy setting and maintenance.
- Low power consumption.
- Minimum maintenance.
- 3.5” LED screen.
- Works fully automatic, and determine faulty cylinders and separate them out of the system.
- Easy connection with computers for data collection.
- Can be produced for all valve types.
- Can be produced one or double-headed for different capacities.
- Height of the machine can be adjusted for different cylinders.

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>DM LEAK DETECTOR – SEMI-AUTOMATIC</td>
<td>It should be used on conveyor belt or fixedly. A detector head is fixed to its place by hand. When it finds a leakage, it gives the alarm.</td>
</tr>
<tr>
<td><strong>Product Code</strong></td>
<td></td>
</tr>
<tr>
<td>DM-LDM-3000</td>
<td>Certificates: 2014/34/eu atex, ce (2284)</td>
</tr>
</tbody>
</table>
| Advantages of the leak detector: | • It provides transportation of 100% tested and fully filled cylinders to the last user.  
  • Easy installation, easy-to-use and easy setting and maintenance. |
|                              | • Low power consumption.  
  • Minimum maintenance.  
  • 3.5” LED screen.  
  • Easy connection with computers for data collection.  
  • Can be produced for all valve types.  
  • Can be produced one or double-headed for different capacities.  
  • Height of the machine can be adjustable for different cylinders. |
### CHECK SCALE

**Product Name**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM-MCS-300/M</td>
<td>DM CHECK SCALE – AUTOMATIC</td>
<td>It makes the last control after filling to check lpg cylinders weights whether they are fully filled or not. Faulty cylinders are seperated from the system.</td>
</tr>
<tr>
<td>DM-MCS-300</td>
<td>DM CHECK SCALE – ELECTRONIC/MANUAL</td>
<td>It makes the last control after filling to check lpg cylinders weights whether they are fully filled or not. Faulty cylinders are seperated from the system.</td>
</tr>
</tbody>
</table>

**Certificates**

- 2014/34/EU ATEX, CE (2284)

**Advantages of the check scale**

**MANUAL:**
- It checks weights of the cylinders
- No air consumption
- All types of cylinders can be checked with just one machine.
### SHRINK MACHINE

**Product Name**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM-SHMA-150</td>
<td>It is used for shrinkage of safety straps on cylinder valves. It is a hot-water vaporized system. It is used with steam generator and water tank together.</td>
</tr>
</tbody>
</table>

**Advantages of the shring machine:**
- Automatic shrinkage of safety straps on cylinder valves
- Shrinkage in the same level for all straps
- Can be used in conveyor systems. It is a semi automatic system.
- Steam generator protects steam heat also in long lines and high capacities.
- Steam generator has over-temperature control that is stopped automatically at high temperatures.
- Security alarm system automatically works in any unfavourable conditions.

**Product Code**

<table>
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<tr>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>DM-MCS-300/SA</td>
<td>It makes the last control after filling to check LPG cylinders weights whether they are fully filled or not. Faulty cylinders are separated from the system.</td>
</tr>
</tbody>
</table>

**Advantages of the check scale:**
- It provides savings from work force and abolish human errors.
- Easy and safe working
- Easy calibration-zero adjustment, easy adjustment and maintenance
- Minimum maintenance and service conditions
- Can be connected with computer and electronic filling scales
- Has low installation cost
- Semi automatic

**Certificates:**
- 2014/34/eu atex , ce (2284)
## SHRINK MACHINE

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
</tr>
</thead>
</table>
| **DM SHRINK MACHINE – MANUAL** | It is used for shrinkage of safety straps on cylinder valves. It is a hot-water vaporized system. It is used with steam generator and water tank together. **Advantages of the shrinking machine:**  
  • Automatic shrinkage of safety straps on cylinder valves  
  • Shrinkage in the same level for all straps  
  • Can be used in conveyor systems. It is a semi automatic system.  
  • Steam generator protects steam heat also in long lines and high capacities.  
  • Steam generator has over-temperature control that is stopped automatically at high temperatures.  
  • Security alarm system automatically works in any unfavourable conditions. |
| **DM-SHMM-150**              |                                                                                                                                                                                                                                                                                                                                                                                                         |

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
</tr>
</thead>
</table>
| **DM HOT AIR SEALING MACHINE – MANUAL** | It is used for shrinkage of security straps on cylinder valves. It is a hot air blowing system. **Advantages of the hot air sealing machine:**  
  • Extra equipments like water tank and steam generator are not needed.  
  • All systems are integrated on one body.  
  • Thanks to it is ex-proof, it may be used safely. |
| **DM-HAM-250**              |                                                                                                                                                                                                                                                                                                                                                                                                         |
### GAS TRANSFER PUMP

**Product Name**
- DM GAS TRANSFER PUMP – PNEUMATIC

**Description**
It provides transfer of gas between cylinders or between a cylinder and a pressure vessel.

**Advantages of the DM Gas Transfer Pump:**
- Long lived pipe made out of titanium
- Pneumatic control
- Easy installation
- Cylinder stand which can have one or more cylinder (changes with customer request)
- Mechanical flow indicator (shows gas flow)
- Easily insertable and removable filling heads for different valve types
- Single or mass evacuation opportunity

**Product Code**
- DM-PGTP-004

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**Product Name**
- DM PNEUMATIC GAS TRANSFER PUMP / ROTATING BODY

**Description**
It provides transfer of gas between cylinders or between a cylinder and pressure vessel.

**Advantages of the DM gas transfer pump:**
- Rotating body – ergonomic design
- Min. Operator work force to pick up industrial type cylinders
- Durable body

**Product Code**
- DM-PGTP-002/R
GAS TRANSFER PUMP

Product Name
DM HYDRAULIC GAS TRANSFER PUMP

Product Code
DM-HGTP-006 AND DM-HGTP-012

Description
It provides transfer of gas between cylinders or between a cylinder and a pressure vessel.

Advantages of the DM gas transfer pump:
• Long lived pipe made out of titanium
• Min. Air consumption
• Benefits from advantages of hydraulic system
• Ex-proof electric engine

info@durulsan.com
www.durulsan.com
**Product Name**

DM SKID ON TYPE FILLING STATION

**Description**

Designed for low capacity fillings, ready-to-use & mobile systems.

**Advantages of the DM skid on tpye filling station:**

- Easy installation & easy-to-handle & safe
- Building, plot and construction works are not necessary. It is an economical system.
- Very suitable to use in rural areas.
- Low energy consumption
- Easy to carry. It can be montaged to any place easily.
- Tank capacity can be chosen (customer request).
- In 10 m³ systems, there are 2 skids in one container. Thanks to this system, customer make a high logistic profit.
- Turnkey project

info@durulsan.com
www.durulsan.com
CONTAINER TYPE FILLING STATION

**Product Name**

DM CONTAINER TYPE FILLING STATION

**Description**

Designed for low capacity fillings, ready-to-use & mobile systems.

**Advantages of the DM container type filling station:**

- Easy installation & easy-to-handle & safe
- Building, plot and construction works are not necessary. It is an economical system.
- Very suitable to use in rural areas
- Low energy consumption
- Easy to carry. It can be montaged to any place easily.
- Number of filling scales in a container is dependent to customer request.
- Turnkey project
It provides transfer of gas liquid from one tank to another by pressurizing to storage tanks.

- Compression power of the piston rod (KG) - 1760
- Motor power Kw (HP) - 11(15)
- Piston stroke mm (inch) - 76(2,99)
- Piston diameter mm (inch) - 101 (3,96)
- Max. transfer capacity (m³/saat) - 60
- Max. working pressure psig (bar) - 348 (24)
- Ambient temperature range (°C) - (-10/+50)
- Length (mm) - 1210
- Height (mm) - 860
- Width (mm) - 702
- Ip rate - IP 65
- Magnetic Float (input output) - 250V (12 VAC 2.5A)
- Product code - DM LPGC 060
- Body material - GGG40 SFERO
DM LPG Dispenser type Roof/Multimedia colorizes your station with the new 21.5” full HD LED (1920*1080) 1000 nits LCD Panel.

Product Name

DM - DISFM - L02 SERIES

Description

Advantages of the DM - DISFM - L / DSFM - H Series :
- Mechanical : M1 Class
- Electromagnetical : E1 Class
- Ambient Temperature : -25 °C to +55 °C
- Temperature of fluid : -10 °C to +55 °C
- Humidity : H3 Class
- Operating Pressure : 5-13 Bar
- Traducer Characteristic : Volume Cycle (Vc) = 0.5 L
- Digits of Display : 8-8-6 (Sale-Liter-Price)
- Display Characteristics :
  - Unit price indication : 4 digits (00.00...99.99)
  - Volume(quantity) indication : 6 digits (0000.00...9999.99)
  - Price indication : 6 digits (0000.00...9999.99)
- Membrane Keypad
- Minimum Quantity Shift Scale (increment) : 0.01 L
- Volume Totalizer (electromagnetical) : min 7 digits
- Power Supply : 230 V , 50 Hz
- Standart Flow Rate (Qmin-Qmax) : 5-50 L/min
- Gas seperator equipped with a large filter to better clean the product without affecting the flow rate
- Amount/Volume Programming : Money/Liter
- Emergency Stop
- Breakaway Coupling : 3/4”
- Manometer
- Automatic Temperature Compensation
- Electronic / Mechanical Calibration
- Safety Relief Valve
- English - Turkish - Spanish - French language option

Product Name

DM - DISFM - H04 SERIES
Description

Advantages of the DM - DISRM - L / DSLM - H-L Series:

- Mechanical: M1 Class
- Electromagnetic: E1 Class
- Ambient Temperature: -25 °C to +55 °C
- Temperature of fluid: -10 °C to +55 °C
- Humidity: H3 Class
- Operating Pressure: 5-13 Bar
- Traducer Characteristic: Volume Cycle (Vc) = 0,5 L
- Digits of Display: 8-8-6 (Sale-Liter-Price)
- Display Characteristics:
  - Unit price indication: 4 digits (00,00...99,99)
  - Volume (quantity) indication: 6 digits (0000,00...9999,99)
  - Price indication: 6 digits (0000,00...9999,99)
- Membrane Keypad
- Minimum Quantity Shift Scale (increment): 0,01 L
- Volume Totalizer (electromagnetic): min 7 digits
- Power Supply: 230 V, 50 Hz
- Standart Flow Rate (Qmin-Qmax): 5-50 L/min
- Gas separator equipped with a large filter to better clean the product without affecting the flow rate
- Amount/Volume Programming: Money/Liter
- Emergency Stop
- Breakaway Coupling: 3/4”
- Manometer
- Automatic Temperature Compensation
- Electronic / Mechanical Calibration
- Safety Relief Valve
- English - Turkish - Spanish - French language option
LPG AUTOGAS DISPENSERS

Product Name

DM - DISMM - L01 SERIES
DM - Industrial dispenser

DM - DISRM - L02 SERIES
DM - LPGMX - 050 SERIES

Description

Advantages of the DM - DISFM - L / DSFM - H Series:

- Mechanical : M1 Class
- Electromagnetical : E1 Class
- Ambient Temperature : -25 °C to +55 °C
- Temperature of fluid : -10 °C to +55 °C
- Humidity : H3 Class
- Operating Pressure : 5-13 Bar
- Traducer Characteristic : Volume Cycle (Vc) = 0,5 L
- Digits of Display : 8-8-6 (Sale-Liter-Price)
- Display Characteristics :
  - Unit price indication : 4 digits (00,00...99,99)
  - Volume (quantity) indication : 6 digits (0000,00...9999,99)
  - Price indication : 6 digits (0000,00...9999,99)
- Membrane Keypad
- Minimum Quantity Shift Scale (increment) : 0,01 L
- Volume Totalizer (electromagnetical) : min 7 digits
- Power Supply : 230 V , 50 Hz
- Standart Flow Rate (Qmin-Qmax) : 5-50 L/min
- Gas separator equipped with a large filter to better clean the product without affecting the flow rate
- Amount/Volume Programming : Money/Liter
- Emergency Stop
- Breakaway Coupling : 3/4”
- Manometer
- Automatic Temperature Compensation
- Electronic / Mechanical Calibration
- Safety Relief Valve
- English - Turkish - Spanish - French language option

www.durulsan.com
info@durulsan.com
LPG AUTOGAS DISPENSER
DM-DISFM-002

SAFETY
EN16678-1+A1:2012
ATEX 2014/34/EU
PED 2014/68/EU

MEASURING
OIML 117
MID 2014/32/EU - 2014/31/CE

- LCD Display
- Keypad Button
- Emergency Stop
- Safety Valve
- Degasifier
- Pull-Away Coupling
- Junction Box
- On/Off Button
- Panel Key
- Nozzle
- Pulser
- Meter (Durulsan Brand)
- Filling Point
PAINTING MACHINE

DM CYLINDER PAINTING MACHINE
DM - CPM - 002

It provides to dye LPG cylinders automatically. It can dye 2 units of LPG cylinders at the same time. Thanks to water seals in the cabin, spread of a paint is prevented. Cylinders are dyed without human intervention. Thanks to this, it provides saving from time and man power. System designed as ex-proof

SAFETY
This unit is certificated for the use in hazardous area zone 1 and zone 2

SPECIFICATION
1. The painting of a tube varies between 18 g and 50 g depending on the user.
2. Electric consumption of the water pump is 1.1 kW/h Electric consumption of the aspirator is 1.1 kW/h (totally 2.2 kW/h)
3. Equipments;
   Exproof Display
   Water pump - with exproof engine
   Fan - with exproof engine
   Paint Cabin
   Paint Pump & Paint Gun (6 pcs)
4. Capacity 1000 - 1100 Cylinders/Hour
5. Working Air Pressure : 6 Bar
6. It is dual paint cabin. Both cylinders are painted at the same time.
The DM Cylinder Washing Unit ensures that the surfaces of the cylinders are cleaned before filling. System consists of washing cabinet, high pressure water pump and reservoir.

Features & Advantages:

- Maintenance Friendly
- Closed Working Unit : Safety
- Provides increase in life-span of cylinders
- Minimum corrosive effect on cylinder surfaces
- Adjustable machine height for different kind of cylinders
- Easy Assembling : Easy assembly onto existing conveyor
- Ex-proof : Suitable to use in hazardous areas (ATEX Directive 2014/34/EU)
- Environment-Friendly : Re-circulation of water (min. consumption and optimum discharge)

Technical Specifications:

- Washing Capacity : 2000-2500 cylinder / hour
- Operating Pressure : 120 – 150 Bar
- Number of Nozzles : 10 pcs
- Number of Water Pumps : 2 units (150 B - 54 l/min, 150 B - 70 l/min)
- 304 Quality Stainless Steel : Longevity
- Dimensions : 3079 x 1296 x 1662 mm
ACCESSORIES

**Product Name**
DM - Excess Flow Valve

**Product Name**
DM - Gas Detector

**Product Name**
DM - Transport Type Relief Valve

**Product Name**
DM - Hydraulic Operator Pump

**Product Name**
DM - Level Gauge

**Product Name**
DM - Truck Loading Hose Adaptor

**Product Name**
DM - Pneumatic Filling Head

**Product Name**
DM - Mechanic Filling Head

**Product Name**
DM - Piston Type Filling Head

**Product Name**
DM - Pneumatic Filling Gun

**Product Name**
DM - By-pass Valve

**Product Name**
DM - Break - Away Coupling
Description

Filling details can be monitored with pc connection box and pc software. Details can be reportable and archived. It enables to see all machines' data at the same point.

Advantages:

• General view about production capacity
• Filling sensitivity analysis and setting requirement
• Accuracy of total production filling
• Check up on faulty cylinders (control filling scales and leak detectors)
• Compartmentalizing for cylinder types
• Preparation of data reports
• Efficient data storage and search
• Cable connection can be made (up to 500 meter)
• Easy updating of the software
• Can be installed all computers (cd driver or usb is needed)
### Valves Screwing & Unscrewing

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manual Valve Screwing/Unscrewing Tripod</strong></td>
<td>It is a machine that provides to screw/unscrew lpg cylinder valves*.</td>
<td>DM-VST-300</td>
</tr>
<tr>
<td></td>
<td><strong>Advantages</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Easy installation and utilization</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• No electric consumption</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Take a small place</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Clamping a cylinder is done pneumatically</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Screwing/unscrewing head is produced for different cylinder valves.</td>
<td></td>
</tr>
</tbody>
</table>

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<tr>
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<tbody>
<tr>
<td><strong>Hydraulic Valve Screwing/Unscrewing Vertical/Fixed</strong></td>
<td>It is a machine that provides to screw/unscrew lpg cylinder valves*.</td>
<td>DM-VSMHF-300</td>
</tr>
<tr>
<td></td>
<td><strong>Advantages</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Benefits from advantages of hydraulic system</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Screwing operation is done in desired torque force.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Height setting can be adjusted</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• There is a clutch mechanism that fits all types of lpg cylinder.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Hydraulic unit and hydraulic pump are existed.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Air consumption at minimum level</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Screwing/unscrewing head is produced for different cylinder valves.</td>
<td></td>
</tr>
</tbody>
</table>
### Description

It is a machine that provides to screw/unscrew lpg cylinder valves.

### Advantages

- Benefits from advantages of hydraulic system
- Height setting can be adjusted.
- Screwing operation is done in desired torque force.
- There is a clutch mechanism that fits all types of lpg cylinder.
- Hydraulic unit and hydraulic pump are existed.
- Air consumption at minimum level
- Screwing/unscrewing head is produced for different cylinder valves.
- There is an external control panel.

### Product Code

**Product Name**

<table>
<thead>
<tr>
<th>HYDRAULIC VALVE SCREWING/UNSCREWING VERTICAL/IN LINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM-VSMHA-300</td>
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</table>

**Product Name**

<table>
<thead>
<tr>
<th>HYDRAULIC VALVE SCREWING/UNSCREWING HORIZONTAL/FIXED</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM-VSMHF-300/H</td>
</tr>
</tbody>
</table>
# Air Pressing

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM AIR PRESSING MACHINE/AUTOMATIC</td>
<td>DM-APMA-003</td>
</tr>
</tbody>
</table>

### Description
Pressure air is enforced into cylinders. Cylinders, which are enforced pressure air, are tested visually at testing pool.

### Advantages
- Can be produced as single, double or triple
- Visual control of cylinders
- Air pressure at high speed
- Benefits from advantages of hydraulic system
- There is an external control panel.
- Height setting can be adjusted.
- It works automatically on conveyor belt.

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<tbody>
<tr>
<td>DM AIR PRESSING MACHINE/SEMI-AUTOMATIC</td>
<td>DM-APMM-002</td>
</tr>
</tbody>
</table>

### Description
Pressure air is enforced into cylinders. Cylinders, which are enforced pressure air, are tested visually at testing pool.

### Advantages
- All valve and cylinder types can be tested on one machine
- Air pressure at high speed
- Benefits from advantages of hydraulic system
- Height setting can be adjusted.
- It works semi-automatically on roller conveyor belt.
- It can be controlled with touchable display unit which is an it.
**Product Name**

DM TESTING POOL (HORIZONTAL TYPE)

**Description**

It provides visual leakage control of cylinders in water-filled pool.

**Advantages**

- Easy leak detection system
- Simple technology
- Needs just one operator
- Minimum maintenance costs
- Can be used in conveyor line as an automatic system
- Different types of cylinders can be tested at the same pool
- Benefits from advantages of hydraulic system

**Product Code**

DM-TPHT-010
Cylinders are tested with compressed air and pressured water. Air and water are applied with high pressure inside of the cylinders to check whether they have leakage or not.

**Advantages**
- Adjustable height and diameter
- Visual control of cylinders at the same time
- Low water consumption (water recirculation)
- Adjustable test periods
- Fast filling – discharge
- Easy to use 7” screen
- Capacity of test unit determined for customer request
- Thanks to rotating body, cylinders' backsides can be seen.
- High security and ergonomic body
- Benefits from advantages of hydraulic system (rotating body motions provided by hydraulic cylinders)
- High pressure and low pressure pumps are included.
- Hydraulic unit and water tank are included.
## NUMBER PRESSING

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</tr>
</thead>
<tbody>
<tr>
<td>DM NUMBER PRESSING MACHINE</td>
<td>It writes numbers bottom parts of lpg cylinders.</td>
<td>DM-NPM-160</td>
</tr>
</tbody>
</table>

### Advantages
- Numbers are automatically increased in regular order.
- Thanks to hydraulic-pneumatic system, numbers are imprinted legibly.
- Controlled with pneumatic system
- Easy installation and utilization

## THREAD CLEANING

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>DM-THREAD CLEANING MACHINE</td>
<td>It cleans collarets threads' by taps (threaders) before fixing of cylinder valves'</td>
<td>DM-VSM-300</td>
</tr>
</tbody>
</table>

### Advantages
- Easy-to-use & semi-automatic cleaning
- Easy alteration of taps threaders
- Benefits from advantages of hydraulic system
- Height adjustment can be set.
- Easy installation at facilities
- It can be used on conveyor belts or as a fixed system.

## CYLINDER LOADING & UNLOADING

<table>
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</thead>
<tbody>
<tr>
<td>DM CYLINDER LOADING &amp; UNLOADING MACHINE</td>
<td>DM-CLUM-300</td>
</tr>
</tbody>
</table>

### Description
Lpg cylinders moving horizontally on a conveyor line are provided to move vertically by this system.

### Advantages
- No need operator workforce
- Fast, secure and practical
- Works with pneumatic, electrical and hydraulic systems
PROJECT & ENGINEERING AND INSTALLATION
DURULSAN’s LPG piping systems are designed for supply of LPG to both filling machines and evacuation systems. LPG piping systems are designed according to all known international norms.
INSTALLATION
TURNKEY PROJECTS
DURULSAN’s FIRE AND AIR piping systems are designed for supply of LPG to both filling machines and evacuation systems. FIRE AND AIR piping systems are designed according to all known international norms.
Requirements for LPG filling machine and their equipments are included which are electrical installation and its equipments.

Given ex-proof certified equipments with electric wiring:
- Engineering, project design and documentation
- Electric main and auxiliary panel in nonhazardous area
- Products which are used in hazardous areas:
  - Ex-proof on-off switches
  - Emergency stop buttons
  - Lightings
  - Panels etc.
  - Earthing and earthing equipments
  - Earthing rod
  - Wiring, cables and cable conduits
  - Turnkey electrical installation
DURULSAN Company was founded in 1995 under the provisions of the Turkish Commercial Code in the biggest trade center of LPG, Körfez/Kocaeli. In general, its businesses are production and installation of LPG cylinder & autogas filling plants – machines and equipment, and LPG cylinder production plants – machines and equipment.

DURULSAN staff is expert in their professions. It carries on the activity both in domestic and foreign countries. Since its foundation with dynamic staff and value owed by the business, DURULSAN provides high quality and technological service both in domestic and countries that it works for.

DURULSAN, which follows the developing technology and adopts the principles of modern business management and quality management principles, continues its work by expanding its business geography. DURULSAN disseminates its knowledge and experience to the LPG sector by R&D activities through its investments for the infrastructure and modernization activities of the LPG sector.

OUR MISSION & OUR VISION

OUR VISION;

* Our vision is to obtain quality and product certificates,
* To be the first preferential corporation in and outside of Turkey,
* To increase product and service quality,
* Provide occupational safety and carry on our activities with environmental protection precondition.

OUR MISSION;

* Our mission is to contribute social progress and to be a profitable company that has been supporting development of our country.

About US

Atex Certificates  CE Certificates  ISO 9001 Certificates  MID Certificates