An overview of the RAASM world

MADE IN ITALY

ADVANCED FLUID MANAGEMENT SOLUTIONS

5 YEARS WARRANTY

RAASM
The complete range of our products is presented in the specific catalogues:

- GENERAL CATALOGUE
- INDUSTRIAL HOSE REELS WITH DRUM IN ABS
- INDUSTRIAL HOSE REELS SERIES 250 - 300
- INDUSTRIAL HOSE REELS SERIES 700
- DIGITAL LITRE COUNTERS AND PULSER
- DIAPHRAGM PUMPS
- FLUID CONTROL SYSTEM
at your service since 1975

**RAASM** seeks to offer the best through continuous improvement, in terms of performance, functionality and reliability of its products.
STUDY, RESEARCH AND DESIGN
The real strength of a firm starts with the ability of its study and research departments to always find the most suitable solutions to address market demands.

TESTING AND INSPECTIONS
A sophisticated test room enables careful testing of the quality of new products before they are put on the market.

ASSEMBLY LINES
Dedicated equipment specially designed to facilitate assembly operations, at the same time allowing an effective and automatic control of quality.
STORAGE OF COMPONENTS
Our vertical stores enable quick and careful preparation of the components and spare parts intended for assembly and sale.

TECHNICAL ASSISTANCE
RAASM has the most complete range of products for lubrication and the dispensing of fluids. The aim is to always respond fully to the questions of our customers and meet all their needs.
BRAKE BLEEDERS, TYRE INFLATORS, WASH AND DEPLETED OIL COLLECTION

PORTABLE INFLATORS - BRAKE BLEEDERS

- With 2 or 3 chambers: 5 l
- Automatic filling: 13 l
- With inflation gun: 13 - 24 l
- AISI 304 St. steel: 24 l
- Portable or trolley mounted: 16 - 24 l
- Adjustable trolley: 65 - 110 - 150 l
- With or without exchange pump: 50 - 95 - 150 l

WASH TANK AND NON-TOXIC SPRAYERS

- With brush or by dipping: 65 l

PIT OR FLOOR DRAINERS

- Central or side sump: 65 - 90 - 115 l
- Normal or combined: 65 - 90 - 115 l
- For motorcycles - cars - trucks: 65 - 115 l
- Trolley or wall mounted with air-operated pump

DEPLETED OIL DRAINERS
OIL AND GREASE DISPENSING

HAND-OPERATED PUMPS - PNEUMATIC DISPENSERS
GREASERS 13 kg

- Double-acting pump
  - 16 - 24 l
- Air-operated 8-10 bar
  - 16 - 24 l
- With lever or pedal
  - 400 bar 13 kg
- High pressure 350 bar
  - transfer 20 bar

AIR-OPERATED OIL AND GREASE PUMPS

Series 500
- R 1:1 - 35 l/min
  - VITON seals
Series 600
- R 3:1 - 14 l/min
  - NBR seals
Series 650
- R 5:1 - 18 l/min
  - NBR seals
Series 900
- R 5:1 - 45 l/min
  - PU seals
Series 600
- R 50:1 - 1500 g/min
  - PU seals
Series 700
- R 65:1 - 1900 g/min
  - PU seals
Series 900
- R 45:1 - 4400 g/min
  - PU seals
Series 1500
- R 70:1 - 7000 g/min
  - PU seals

OIL AND GREASE DISPENSING KIT

- Movable platforms for oil dispensing with pump R 3:1 - 5:1 litre-counter gun and hose reel
- Oil dispensing kit for 20 - 220 l drums with pump R 3:1 - 5:1 and litre-counter gun
- Movable greasing kits for drums 20 - 200 kg R 50:1 - 1500 g/min
- Wall-mounted dispensing kit with pump R 3:1 - 5:1 and hose reel
DISPENSER GUNS, LITRE COUNTERS, PULSERS, SERVICE COLUMNS, FLUID CONTROL SYSTEM

**DISPENSER GUNS**

- **S. 1/2” - 40AL - 40AP**
  - Delivery: 40 l/min
- **S. 1/2” - 65AP**
  - Delivery: 65 l/min
- **S. 3/4” - 70AP - 85AP**
  - Delivery: 70 - 85 l/min
- **S. 1/2” - 40AN**
  - Delivery: 40 l/min

**DIGITAL LITRE COUNTERS AND PULSER VERSION**

- **Serie 1/2”**
  - Delivery: 35-40 l/min
- **Serie 3/4”**
  - Delivery: 70-90 l/min
- **Serie 1”**
  - Delivery: 100-120 l/min

**FLUID CONTROL SYSTEM**

Operator control unit (OCU)

Service columns
INDUSTRIAL AND DIAPHRAGM PUMPS
FOLLOWER PLATE LIFTER KITS

DIAPHRAGM PUMPS IN ALUMINIUM R 1:1

Conforms with Standard Atex 94/9

<table>
<thead>
<tr>
<th>Series</th>
<th>Diameter</th>
<th>Delivery Rate</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-AB</td>
<td>1/2&quot;</td>
<td>70 l/min</td>
<td>70 l/min</td>
</tr>
<tr>
<td>1000-AB</td>
<td>1&quot;</td>
<td>170 l/min</td>
<td>170 l/min</td>
</tr>
<tr>
<td>1140-AB</td>
<td>1.1/4&quot;</td>
<td>200 l/min</td>
<td>200 l/min</td>
</tr>
<tr>
<td>1120-AB</td>
<td>1.1/2&quot;</td>
<td>480 l/min</td>
<td>480 l/min</td>
</tr>
<tr>
<td>2000-AB</td>
<td>2&quot;</td>
<td>560-610 l/min</td>
<td>560-610 l/min</td>
</tr>
</tbody>
</table>

POLYPROPYLENE DIAPHRAGM PUMPS - MOTOR IN ALUMINIUM R 1:1

<table>
<thead>
<tr>
<th>Series</th>
<th>Diameter</th>
<th>Delivery Rate</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-PB</td>
<td>1/2&quot;</td>
<td>60 l/min</td>
<td>60 l/min</td>
</tr>
<tr>
<td>1000-PB</td>
<td>1&quot;</td>
<td>170 l/min</td>
<td>170 l/min</td>
</tr>
<tr>
<td>120-PB</td>
<td>1/2&quot;</td>
<td>60 l/min</td>
<td>60 l/min</td>
</tr>
</tbody>
</table>

INDUSTRIAL AIR-OPERATED PUMPS
OIL, GREASE AND INDUSTRIAL FLUIDS

Conforms with Standard Atex 94/9

<table>
<thead>
<tr>
<th>Series</th>
<th>Ratio</th>
<th>Delivery Rate</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>900</td>
<td>2:1</td>
<td>3 kg/min to 95 l/min</td>
<td>3 kg/min to 95 l/min</td>
</tr>
<tr>
<td>1200</td>
<td>3:1</td>
<td>4.4 kg/min to 100 l/min</td>
<td>4.4 kg/min to 100 l/min</td>
</tr>
<tr>
<td>1500</td>
<td>4:1</td>
<td>7 kg/min to 110 l/min</td>
<td>7 kg/min to 110 l/min</td>
</tr>
<tr>
<td>1800</td>
<td>5:1</td>
<td>65 l/min to 90 l/min</td>
<td>65 l/min to 90 l/min</td>
</tr>
</tbody>
</table>

AVAILABLE DIAPHRAGMS

- NBR HIGH NITRIL
- HYTREL
- EPDM
- SANTOPRENE
- PTFE + HYTREL
RAASM PRESENTS ITS WIDE RANGE OF HOSE REELS FOR FLUID

RAASM automatic hose reels with constant force spring, in the open and closed, fixed and adjustable versions, in painted steel, stainless steel, AISI 304 - 316 stainless steel and composite technopolymer material, or with hydraulic, pneumatic or electric motors, offer practical and safe management of hoses of any type for the transfer of all kinds of fluids.

WHEN CHOOSING A HOSE REEL IT IS IMPORTANT TO CONSIDER THE FOLLOWING:

- type of fluid to be dispensed
- delivery in l/min to be dispensed
- length and width of the hose to be used
- pressure of the fluid

<table>
<thead>
<tr>
<th>Fluid</th>
<th>Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air-Water</td>
<td>20/400 bar</td>
</tr>
<tr>
<td>Oil and allied products</td>
<td>150 bar</td>
</tr>
<tr>
<td>Grease</td>
<td>400 bar</td>
</tr>
<tr>
<td>Diesel fuel</td>
<td>10 bar</td>
</tr>
<tr>
<td>AdBlue</td>
<td>10 bar</td>
</tr>
<tr>
<td>Oil-Water</td>
<td>200 bar</td>
</tr>
<tr>
<td>Oil-Paints</td>
<td>200 bar</td>
</tr>
<tr>
<td>Welding</td>
<td>20 bar</td>
</tr>
<tr>
<td>LPG-methane</td>
<td>20 bar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RANGE OF HOSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLYURETHANE</td>
</tr>
<tr>
<td>BLACK SYNTHETIC RUBBER</td>
</tr>
<tr>
<td>RUBBER SBR/EPDM - EN559</td>
</tr>
<tr>
<td>RUBBER NBS/PVC - EN559</td>
</tr>
</tbody>
</table>

TECHNICAL CHARACTERISTICS

- Automatic stop system: stops the hose at the required length
- Multipositionable arms: to favour unwinding of the hose according to hose reel installation
- Self-lubricating hose guide rollers: large omnidirectional guide
- Adjustable hose stop
- Hose reel drum: sturdy and practical with ribbing and rounded edges
- Fluid passage swivel joint in brass / carbon steel / s/steel / AISI 304 s/steel with polyurethane / viton / teflon seals
- Constant force, automatic rewind spring completely closed and protected

CONFORMS WITH STANDARD: ATEX 94/9
FIXED AND ADJUSTABLE INDUSTRIAL SERIES IN PAINTED STEEL AND AISI 304 - AISI 316 STAINLESS STEEL

Supplied with hose in black synthetic rubber and or non-marking

STANDARD SERIES WITH ENCLOSURE IN TECHNOPOLYMER, PAINTED STEEL OR AISI 304 STAINLESS STEEL

Supplied with polyurethane hose

STANDARD SERIES IN PAINTED STEEL

With polyurethane hose

PRODUCT CUSTOMISATION

RAASM offers the opportunity to order the hose reels in 3 different colours in addition to the standard colour.

- RAL 7035
- RAL 1004
- RAL 3020
- RAL 5002
INDUSTRIAL SERIES WITH DRUM IN SHOCKPROOF ABS, OPEN VERSION OR ENCLOSED
WITH SUPPORTING STRUCTURE IN PAINTED STEEL OR AISI 304 STAINLESS STEEL

RAASM offers the opportunity to order the hose reels in 4 different colours in addition to the standard colour.

RAL 7035  RAL 1004  RAL 3020  RAL 5002  RAL 9005

INDUSTRIAL SERIES FOR SPECIFIC APPLICATIONS

RAASM offers the opportunity to order the hose reels in 4 different colours in addition to the standard colour.

RAL 7035  RAL 1004  RAL 3020  RAL 5002  RAL 9005

INDUSTRIAL SERIES FOR SPECIFIC APPLICATIONS

GROUNDING CABLE REEL

ATEX certification enables installation even in areas with potentially explosive atmospheres

Conforms with Standard ATEX 94/9
II (3) 3 GD  Exd IIB T6 T85°C X
II (3) 2/3 GD  Exd IIB T6 T85°C X
SERIES 500 - 450 - 400 HOSE REELS IN PAINTED STEEL OR AISI 304 STAINLESS STEEL

SERIES 600 MOTORISED HOSE REEL IN PAINTED STEEL
Available with hydraulic or pneumatic motor with 1” or 1.1/2” passage

TECHNICAL CHARACTERISTICS

- Parking lock
- Clutch in POM to regulate hose unwinding and prevent the drum from turning empty due to inertia
- Swivel joints suitable for various pressures and with total passage. Available in brass galvanised steel and AISI 304 stainless steel
- Practical elbow union that facilitates hose connection. Available in two versions with 1/2” or 1” passage
- Large hose guide to favour hose unwinding and rewinding

SERIES 700 MANUAL AND MOTORISED HOSE REEL IN PAINTED STEEL
Available with various motorisations with 2” passage
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IDEAL FOR THE FOLLOWING SECTORS

- AUTOMOTIVE
- MECHANICAL INDUSTRY
- CHEMICAL INDUSTRY
- TANNING INDUSTRY
- WOOD INDUSTRY
- MARBLE INDUSTRY
- MANUFACTURING INDUSTRY
- MINING SECTOR
- AGRICULTURE
- BUILDING
- ROAD WORKS
- BOATING
- AVIATION
- CIVILIAN AND MILITARY AIRPORTS
- RAILWAY SECTOR