HOSE REELS FOR TRANSFER
No. 222-AD

ADVANCED FLUID MANAGEMENT SOLUTIONS

ADBLUE
Packaging contains, depending on the articles, one or more of the following materials: they must be recycled in accordance with current regulations in the country of use.

- cardboard
- polyethylene sack
- polystyrene
- paper
- wood
- nails
- plastic strap
- cellophane
- clips
- gummed paper
DESIGN IS AN Art
founded in 1975
the human side of Quality
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.

ASSEMBLY LINES
Dedicated equipment specially designed to facilitate assembly operations, at the same time allowing an effective and automatic control of quality.

PACKAGING
The product is carefully packaged with special security measures that protect it from any risks during transportation.
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.
Hose reels are a convenient solution for the hose clutter. Only with them you can easily and swiftly use the hose desired length, increasing the efficiency and the functionality.

**EFFICIENCY**
With the hose reel, hose rewinding is quick and safe, for an **orderly workplace**.

**SAVING**
The hose reel **safeguards against wear and possible breakage of the hoses themselves**.

**SAFETY**
The hose reel **allows workers to operate in a safe workplace, using equipment always ready for use**.
AdBlue® hose reels with spring make the motor vehicles resupply operations safety and comfortable.

Discover how your working environment could be more orderly.
Guarantee and quality of the components are our priority!
Hose Reel Installation

Example of installation: the adjustable arms can be easily repositioned according to needs.

1. **Rewinding Spring**
   Fully enclosed and protected constant-force.

2. **Stopping Rack**
   It offers the possibility to block the cable every 0.5 m.

3. **Pawl**
   Easy to remove, of increased thickness with reinforcing ribs ensuring high stress resistance and durability.

4. **Swivel Joint**
   Designed with the ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in AISI 304 stainless steel and AISI 316, with seals in Viton.

5. **Drum Support Bushings**
   Drum support bushings in Tenaxid, self lubricating, material resistant against corrosion.

6. **Central Pin**
   Made from material suitable with AdBlue® and with passages sized to avoid pressure losses.

7. **Connection Pipe**
   Metallic connection pipe for the painted steel and AISI 304 stainless steel versions.

8. **Drum**
   Sturdy and practical, with beads to reinforce the structure and rounded border. Available with AISI 304 stainless steel version and ABS shock proof drum.

9. **Fixed Bracket**
   Solid and compact fixed bracket with 4 slotted mounting holes for easy and safe installation. On request is available the swivelling bracket. (See page 15).

10. **Adjustable Arm**
    To favour hose extraction according to hose reel installation.

11. **Hose Guide with Rollers**
    Wide width which allows to guide properly the hose for correct rewind. Equipped rollers, arranged horizontally that reduce hose wear.

12. **Hose Stop**
    Comes with all hose reels equipped with hose, complete with adapters for using hoses of different diameter.
Resistant with the corrosion: all the components are painted (painting with epoxy powder coating, thickness min. 80 μ), or finished with a galvanic treatment, ideal to work externally. Easy to install everywhere, like for example on the wall, on the floor, on the ceiling and on the vehicles.

Toughness and endurance

In accordance with directive

<table>
<thead>
<tr>
<th></th>
<th>PAINTED STEEL</th>
<th>Hose supplied</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>P/N</td>
<td></td>
<td>inlet</td>
<td>outlet</td>
</tr>
<tr>
<td>AdBlue® 10 bar</td>
<td>8436.251</td>
<td>10 m - 19 x 27 mm (987.210)</td>
<td>G 3/4” (f)</td>
</tr>
<tr>
<td>- AISI 304 stainless steel swivel joint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- AISI 304 stainless steel couplings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- AISI 304 stainless steel central pin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AdBlue® 10 bar</td>
<td>8436.252</td>
<td>15 m - 19 x 27 mm (987.215)</td>
<td>G 3/4” (f)</td>
</tr>
<tr>
<td>- AISI 304 stainless steel swivel joint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- AISI 304 stainless steel central pin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AdBlue® 100 bar</td>
<td>8436.250</td>
<td>without hose</td>
<td>G 1” (f)</td>
</tr>
<tr>
<td>- AISI 304 stainless steel swivel joint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- AISI 304 stainless steel central pin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AdBlue® 100 bar</td>
<td>8436.200</td>
<td>without hose</td>
<td>G 1” (f)</td>
</tr>
<tr>
<td>- AISI 316 stainless steel swivel joint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- AISI 316 stainless steel central pin</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Supplied with:
- hoses in antistatic EPDM
- Viton® seals
- 0.6 m inlet hose for the plant connection, standard equipment with the hose supplied versions.

The hoses to be assembled on the hose reels must be suitable for the working pressures specified on the label.
The ABS shock proof drum is a good alternative to the painted steel or stainless steel versions; it is an item with low weight but the same quality, hardiness and reliability. Easy to install everywhere, like for example on the wall, on the floor, on the ceiling and on the vehicles.

Handiness and weight

In accordance with directive

Supplied with:
- hoses in antistatic EPDM
- Viton® seals
- 0.6 m inlet hose for the plant connection, standard equipment with the hose supplied versions.

⚠️ The hoses to be assembled on the hose reels must be suitable for the working pressures specified on the label.

### Hose reel Series 436 AdBlue®

<table>
<thead>
<tr>
<th>ABS SHOCK PROOF DRUM</th>
<th>Hose supplied</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P/N</strong></td>
<td><strong>inlet</strong></td>
<td><strong>outlet</strong></td>
</tr>
<tr>
<td>AdBlue® 10 bar</td>
<td>9436.201</td>
<td>G 3/4” (f)</td>
</tr>
<tr>
<td>- AISI 304 stainless steel swivel joint</td>
<td>8 m - 19 x 27 mm (987.208)</td>
<td></td>
</tr>
<tr>
<td>- AISI 304 stainless steel couplings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- AISI 304 stainless steel central pin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AdBlue® 100 bar</td>
<td>9436.200</td>
<td>G 1/2” (f)</td>
</tr>
<tr>
<td>- AISI 304 stainless steel swivel joint</td>
<td>without hose</td>
<td></td>
</tr>
<tr>
<td>- AISI 304 stainless steel central pin</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OVERALL DIMENSIONS (mm)

N°1 packing m³ 0.098 from 16 to 20 kg
Hose reel Series 537
AdBlue®

Suggested for aggressive workplace or in application with use of water. The electrolytic polishing surface treatment helps the elimination of the surface impurities, increases the average life of the hose reel and improves its appearance.

AISI 304 STAINLESS STEEL

<table>
<thead>
<tr>
<th>P/N</th>
<th>Hose supplied</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>inlet</td>
</tr>
<tr>
<td>8537.251</td>
<td>10 m - 19 x 27 mm (987.210)</td>
<td>G 3/4” (f)</td>
</tr>
<tr>
<td>8537.252</td>
<td>15 m - 19 x 27 mm (987.215)</td>
<td>G 3/4” (f)</td>
</tr>
<tr>
<td>8537.250</td>
<td>without hose</td>
<td></td>
</tr>
<tr>
<td>8537.200</td>
<td>without hose</td>
<td></td>
</tr>
</tbody>
</table>

AdBlue® 10 bar
- AISI 304 stainless steel swivel joint
- AISI 304 stainless steel couplings
- AISI 304 stainless steel central pin

AdBlue® 100 bar
- AISI 304 stainless steel swivel joint
- AISI 304 stainless steel central pin

AdBlue® 100 bar
- AISI 316 stainless steel swivel joint
- AISI 316 stainless steel central pin

Supplied with:
- hoses in antistatic EPDM
- Viton® seals
- 0.6 m inlet hose for the plant connection, standard equipment with the hose supplied versions.

The hoses to be assembled on the hose reels must be suitable for the working pressures specified on the label.

OVERALL DIMENSIONS (mm)

N°1 packing m³ 0.175 from 27 to 31 kg
Accessories Series 436 - 436 ABS - 537
supplied on request

- P/N 843001
  Fixed support in steel
  for fixed hose reels in painted steel series 436 ABS

- P/N 853002
  Fixed support in AISI 304 stainless steel
  for fixed hose reels in stainless steel AISI 304 series 537

- P/N 843005
  Swivelling support in STEEL
  for fixed hose reels in painted steel series 436 ABS

- P/N 853006
  Swivelling support in AISI 304 stainless steel
  for fixed hose reels in stainless steel AISI 304 series 537

- P/N 88650
  Latch mechanism protective cover
  rack side for hose reels series 436 - 436 ABS

- P/N 88651
  Latch mechanism protective cover
  rack side for hose reels series 537

**TEMPLATE**
The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel. The template supplied facilitates drilling of the holes and therefore hose reel fixing.

**FIXED BRACKET**
The quick coupling support that facilitates hooking of the single hose reel and optimises its installation in battery (i.e. with several hose reels side by side) is available by request.

**SWIVELLING BRACKET**
The quick coupling swivelling support facilitates hose reel installation and enables 40° rotation to the right or left or locking in fixed positioned at 0° by means of clamping with two screws is available request.
RAASM offers the opportunity to order the products of its production in 4 different colours. The customer without the constraints of minimum quantity, nor additional costs, can request the colour choosing from the proposed range. This customization concerns only the colour and does not include: instruction booklets, labels, brands, etc. Delivery times for the colour that is not standard may vary. Different colours, in addition to those available or other customizations, must be valued each time and will be bound to minimum quantities and additional costs.

AVAILABLE COLOURS

The products for which a customized colour is not specified, are supplied with standard grey colour as per catalogue

<table>
<thead>
<tr>
<th>STANDARD COLOUR</th>
<th>AVAILABLE COLOUR (only for the ABS versions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 7035</td>
<td>RAL 1004</td>
</tr>
<tr>
<td><img src="image" alt="Standard Grey" /></td>
<td><img src="image" alt="Yellow" /></td>
</tr>
</tbody>
</table>

To order an item with a different colour from the standard, it is necessary to add the suffix:

/C2 for yellow colour Ral 1004
/C4 for red colour Ral 3020
/C5 for blue colour Ral 5002
/C6 for black colour Ral 9005
RAASM products are present worldwide through a network of qualified dealers.
The following general sales conditions regulate the sale of goods and services by the company RAASM S.p.A. for customers residing outside the territory of the Italian State.

P/N 1 GOODS DELIVERY TERMS
The goods are delivered ex works RAASM S.p.A. The subsequent transport/shipment must occur by, in the name and at the expense of the purchasing customer, even by means of a carrier appointed and designated by the same. All risks arising from loading, subsequent custody and transport are borne entirely by the purchasing customer.

P/N 2 MINIMUM ORDERS
Each order cannot be for less than € 1,500.00, net of fees, taxes, customs duties, discounts and rebates and any other charges not included in the price of the goods. If, at the option of RAASM S.p.A., orders for lower amounts are accepted, an extra charge of € 155.00 shall be applied for order management administrative expenses.

P/N 3 ACCESSORIES
All the accessories given in the price list (plugs, oil bar taps, oil guns, grease guns, probes, protection caps, clutches, swivelling supports, etc.) are supplied exclusively for fitting to or combining with the items RAASM S.p.A. produces.

P/N 4 COMPLAINTS
Any defects immediately noticed after a brief inspection of the goods (damage, shortages or different product from that ordered) must be notified in writing to our company within 8 (eight) days of receipt the goods. Any defects in the product noticeable only during its use must be notified in writing to RAASM S.p.A. within 8 (eight) days of being detected. Any returns of goods must be authorized in advance by RAASM S.p.A. and freight charges are at the customer’s expenses.

P/N 5 DELIVERY TIMES/TERMS
Delivery times and dates are only approximate and are subject to change. Any delays in delivery do not entitle the customer to cancel the order or claim compensation for damages caused by delay of delivery. Delivery times for urgent orders must be agreed directly with RAASM S.p.A. RAASM S.p.A. has the right not to carry out the order and/or totally or partially carry it out, without this giving rise to reimbursement or claims for compensation for damage.

P/N 6 PACKS AND PACKAGING
Packaging costs are included in the price, except for special packing, which shall be charged at cost.

P/N 7 PRICES
The current Price list cancels and replaces the previous price list. In the event of changes to our price list and/or individual items, the goods shall be forwarded at the price in force on the day of the order confirmation. The price list and/or the prices of individual items can be changed even without notice, according to the changes in market conditions or technical innovations/ modifications made to the product. The prices are understood to be ex works RAASM S.p.A.

P/N 8 PAYMENTS
Payments must be made exclusively to RAASM S.p.A. at the agreed conditions. Under no circumstances will deductions or roundings be accepted. In case of late payment with respect to the agreed conditions, RAASM S.p.A. reserves the right to charge interest at the current rate, effective from the day after that agreed for payment, plus any additional expenses. Discounts conditional on the payment term and already credited shall be recharged.

P/N 9 WARRANTY
RAASM S.p.A. provides each product with the communication of particular instructions for the installation, use and maintenance requirements and the need to carry out possible checks on the product. All the technical information and data mentioned in the catalogue and in the price-list in force are not binding and can be changed without prior notice for the purpose of improving the quality of the products. All products manufactured by RAASM S.p.A. are guaranteed for a period of 5 (five) years from the date of delivery to the first user. The user must keep and show the sales invoice - or an equivalent document - together with the item’s serial number in order to make a claim under the RAASM S.p.A. guarantee. The 5 (five) year guarantee does not apply to components which are subject to normal wear and tear (such as gaskets, diaphragms, O-rings, hoses, etc.), electronic components and items that are sold but not manufactured by RAASM S.p.A. (marked with a red asterisk in the current product catalogue) which are guaranteed for 1 (one) year from the date of delivery to the first user.

1 (one) year warranty is valid also for the following products:
- digital litre counters and FCS system;
- cable reels;
- electric, pneumatic or hydraulic motor supplied with our industrial hose reels S. 600 and 700.

Incorrect installation, use or maintenance of the product shall void the warranty. Upon written notice, the articles must be returned free to our Factory for checking and acceptance. In any case, the guarantee expires in the 10th year from the date of manufacture (indicated by the serial number), if the stated expiry takes place before the expiration terms indicated above (1 or 5 years from delivery to the first user).

The manufacturer declines any responsibility for possible inaccuracies contained in this catalogue, due to printing or transcription errors. The manufacturer reserves the right to make any changes or improvements of a functional, technical or aesthetic nature without prior notice.
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THREE WORDS TO DESCRIBE RAASM

■ Technology
The starting point for the entire manufacturing cycle is the research and development of cutting-edge solutions for products fully made in Italy.

■ Quality
One of our most important targets is to offer a high level of quality. Rigorous tests follow every single phase of the manufacturing process.

■ Efficiency
RAASM offers the most complete range of fluid management solutions suitable for many sectors. Our success is founded upon our ability to identify and fulfill specific customers requirements.

Company with quality and environment system according to ISO 9001:2015 and ISO 14001:2015 standards

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