

HOSE REELS FOR TRANSFER

No. 222-AD



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

ADBLUE





**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



www.raasm.com



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



at your service since 1975

RAASM works 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.



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.



TECHNOLOGY
INNOVATION
QUALITY
SAFETY
RELIABILITY



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

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**.

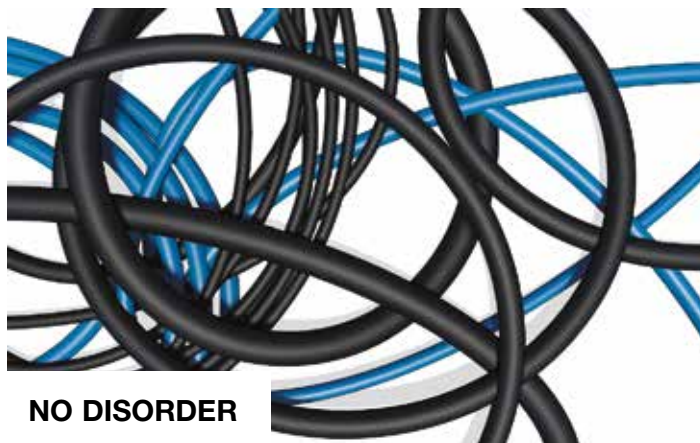
SAVING

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**.

Hose reel advantages



NO DISORDER



NO BREAK



NO ACCIDENT

INDEX



Series 436

page

12



Series 436 ABS

page

13



Series 537

page

14

Accessories

page

15



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

APPLICATION FIELD

AdBlue® hose reels with spring make the motor vehicles resupply operations safety and comfortable.

Discover how your working environment could be more orderly.

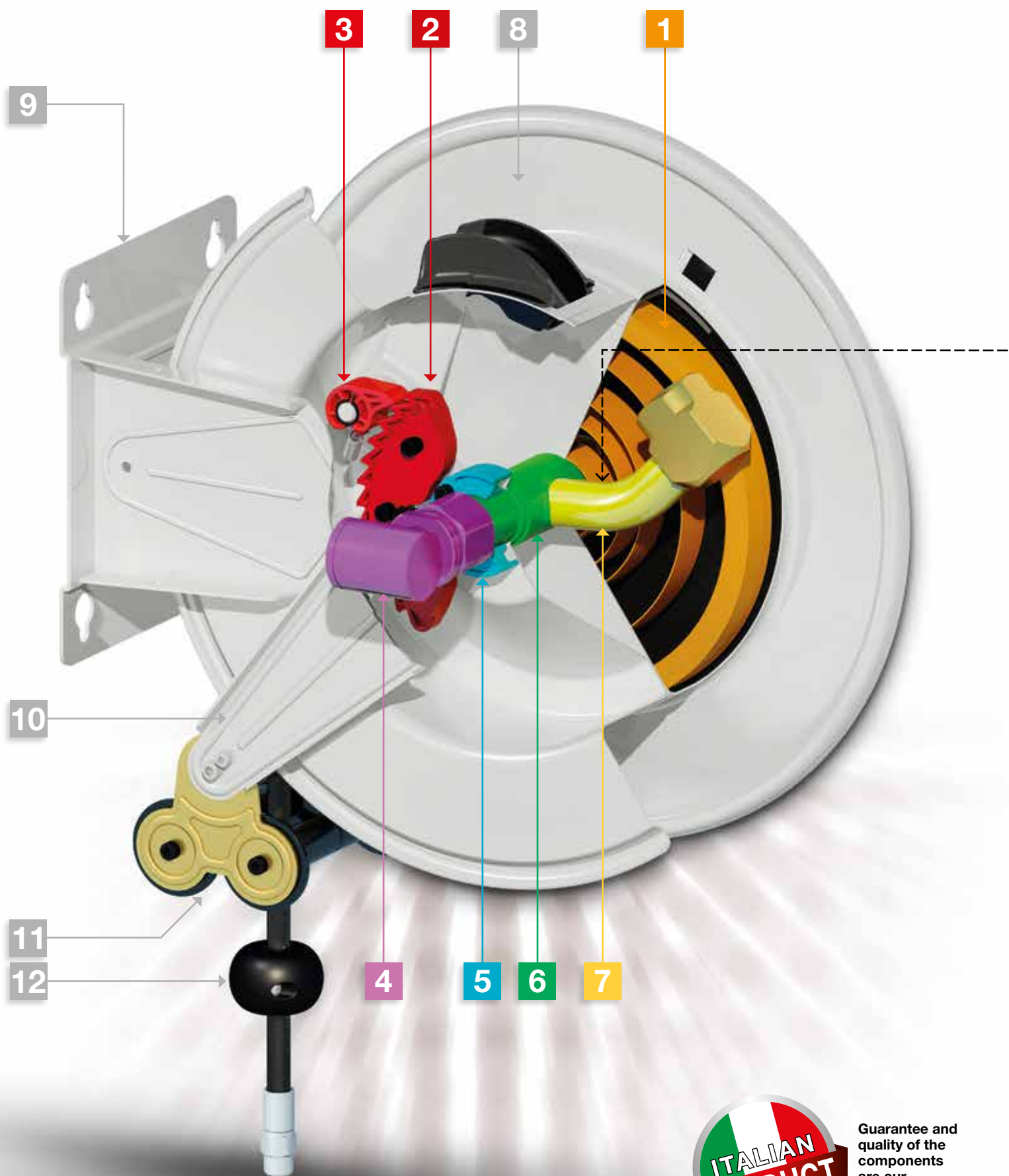


Resupplying service

www.raasm.com



Series 436-537



Guarantee and
quality of the
components
are our
priority!

TECHNICAL CHARACTERISTICS

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 316L, 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.



Pict. A

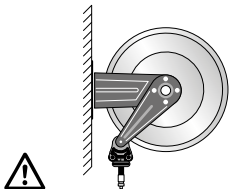
CONNECTION PIPE FOR FOR THE ABS VERSION.

Metallic connection pipe to use 3/4" hose in the series 436 ABS (Pict. A)

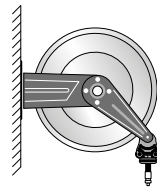
HOSE REEL INSTALLATION

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

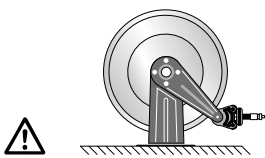
Standard installation



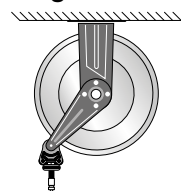
Wall installation



Bench installation



Ceiling installation



ADJUSTABLE ARMS POSITION NOT ALLOWED FOR THE 436 AdBlue® SERIES WITH ABS SHOCK PROOF DRUM.



Hose reel Series 436 AdBlue®



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.

**PAINTED
STEEL**



**Toughness
and endurance**



In accordance with directive
Atex IIB 2GD c T4 T 135°C X

	PAINTED STEEL	Hose supplied	Connection	
	P/N		inlet	outlet
AdBlue® 10 bar - AISI 304 stainless steel swivel joint - AISI 304 stainless steel couplings - AISI 304 stainless steel central pin	8436.251	10m - 19x27 (987.210)	F3/4"G	M3/4"G
	8436.252	15m - 19x27 (987.215)	F3/4"G	M3/4"G
AdBlue® 100 bar - AISI 304 stainless steel swivel joint - AISI 304 stainless steel central pin	8436.250	without hose	F1"G	F3/4"G
AdBlue® 100 bar - AISI 316L stainless steel swivel joint - AISI 316L stainless steel central pin	8436.200	without hose	F1"G	F3/4"G

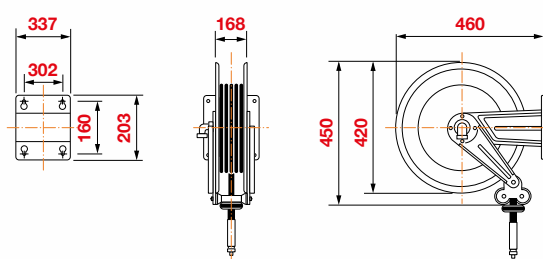
Supplied with:

- 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 0,122
 from kg 20 to 30



Hose reel Series 436 AdBlue®



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, hardness and reliability. Easy to install everywhere, like for example on the wall, on the floor, on the ceiling and on the vehicles.

**WITH ABS
SHOCK PROOF
DRUM**

**Painted
steel bracket**

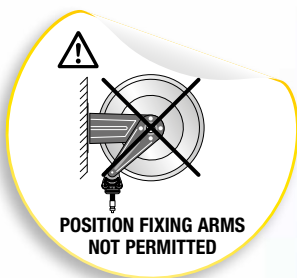
**with ABS shock
proof drum**



**Handiness
and weight**



In accordance with directive
Atex II 3GD c X



ABS SHOCK PROOF DRUM	P/N	Hose supplied	Connection	
			inlet	outlet
AdBlue® 10 bar - AISI 304 stainless steel swivel joint - AISI 304 stainless steel couplings - AISI 304 stainless steel central pin	9436.201	8m - 19x27 (987.208)	F3/4"G	M3/4"G
AdBlue® 100 bar - AISI 304 stainless steel swivel joint - AISI 304 stainless steel central pin	9436.200	without hose	F1/2"G	M1/2"G

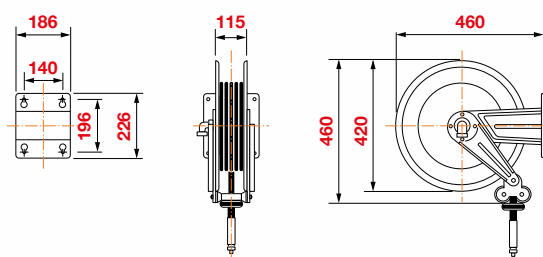
Supplied with:

- 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** 0,098 **📊** from kg 16 to 20



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**



Suggested in very aggressive work environment



In accordance with directive
Atex IIB 2GD c T4 T 135°C X

	AISI 304 STAINLESS STEEL	Hose supplied	Connection	
	P/N		inlet	outlet
AdBlue® 10 bar - AISI 304 stainless steel swivel joint - AISI 304 stainless steel couplings - AISI 304 stainless steel central pin	8537.251	10m - 19x27 (987.210)	F3/4"G	M3/4"G
	8537.252	15m - 19x27 (987.215)	F3/4"G	M3/4"G
AdBlue® 100 bar - AISI 304 stainless steel swivel joint - AISI 304 stainless steel central pin	8534.250	without hose	F1"G	F1"G
AdBlue® 100 bar - AISI 316L stainless steel swivel joint - AISI 316L stainless steel central pin	8537.200	without hose	F1"G	F1"G

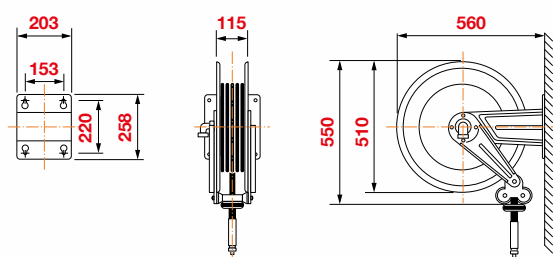
Supplied with:

- 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 kg 27 to 31



Accessories Series 436 - 436 ABS - 537

supplied on request

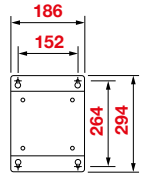


P/N 843001

P/N 843001

Fixed support in steel

for fixed hose reels in painted steel series 436 ABS

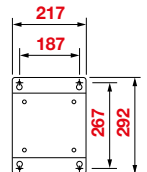


P/N 853002

P/N 853002

Fixed support in AISI 304 stainless steel

for fixed hose reels in stainless steel AISI 304 series 537

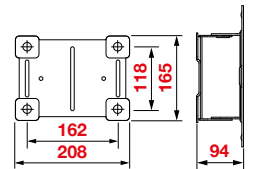


P/N 843005

P/N 843005

Swivelling support in STEEL

for fixed hose reels in painted steel series 436 ABS

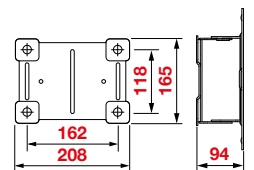


P/N 853006

P/N 853006

Swivelling support in AISI 304 stainless steel

for fixed hose reels in stainless steel AISI 304 series 537



P/N 88650

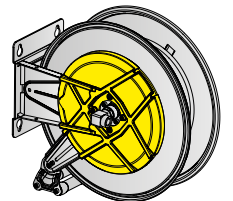
Latch mechanism protective cover

rack side for hose reels series 436 - 436 ABS

P/N 88651

Latch mechanism protective cover

rack side for hose reels series 537



TEMPLATE

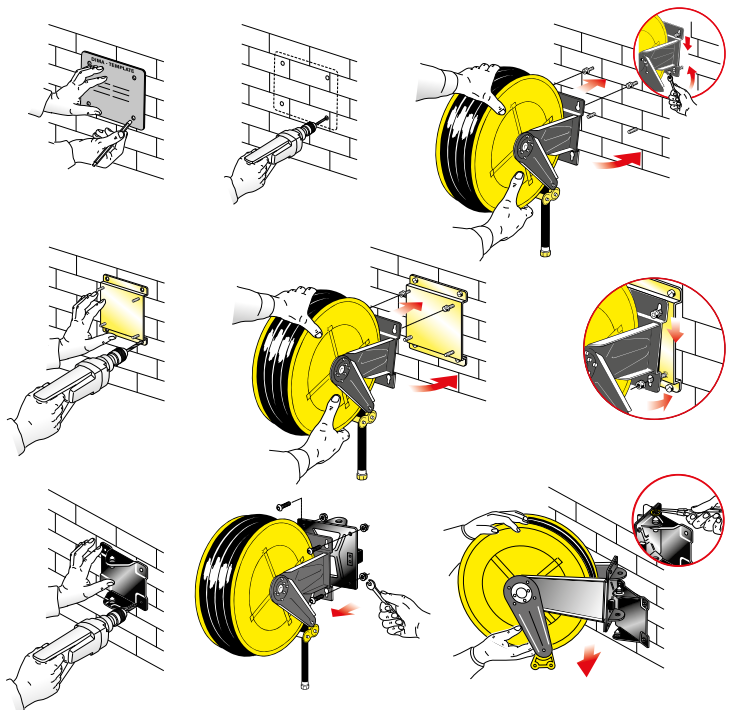
The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel. The template supplied facilitates drilling of the holes and there fore hose reel fixing.

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.



Product customisation only for the ABS versions

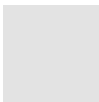


RAASM offers the opportunity to order the products of its production in **4 different colours**. The customer **without the constraints of minimum quantity, nor additional costs, can request the colour choosing from the proposed range**.

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

STANDARD COLOUR	AVAILABLE COLOUR (only for the ABS versions)			
RAL 7035	RAL 1004	RAL 3020	RAL 5002	RAL 9005
				

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**

HELP THE NATURE



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



RAASM products
are present worldwide through a network of
qualified dealers.



GENERAL SALES CONDITIONS

FOR FOREIGN MARKETS



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.

Art. 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 carrier designated by the same. All risks arising from loading, subsequent custody and transport are borne entirely by the purchasing customer.

Art. 2 MINIMUM ORDERS

Each order cannot be for less than €. 1,500.00, net of taxes, discounts and rebates. 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.

Art. 3 ACCESSORIES

All the accessories given in the price list are supplied exclusively for fitting to or combining with the items RAASM S.p.A. produces.

Art. 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.

Art. 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 by 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.

Art. 6 PACKS AND PACKAGING

Packaging costs are included in the price, except for special packing, which shall be charged at cost.

Art. 7 PRICES

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 delivery. 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..

Art. 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.

Art. 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. Incorrect installation, use or maintenance of the product shall void the warranty. The articles must be returned free to our Factory for checking and acceptance. 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 1 (one) years. The 5 (five) year guarantee does not apply to components which are subject to normal wear and tear (such as gaskets, membranes, O-rings, hoses, etc), electronic components and items that are sold but not manufactured by RAASM S.p.A. (marked with an asterisk in the current product catalogue) which are guaranteed for 1(one) year.

Art. 10 RESPONSIBILITY

RAASM S.p.A. is exempt from any responsibility and liability for accidents that may occur to persons and property, as a result of or during the use of the equipment, due to or depending on the same whenever the products have been damaged during transport, tampered with or modified, or improperly used, or stored, installed, protected and preserved without complying with the instructions of RAASM S.p.A. as given in the installation, use and maintenance instruction manuals for each product.

RAASM S.p.A. is liable for the value for the supplied product and cannot be held responsible in any way for other possible costs or additional costs that the customer may bear.

Art. 11 COMPETENT LAW COURT

Any disputes shall be settled by the Law Court of Vicenza, Italy.

RAASM

The company RAASM S.p.A. holds the exclusive Intellectual Property rights on the RAASM trademark and all rights to its use and reproduction are reserved.

The RAASM trademark is a registered trademark and is protected at an international level. No part of the RAASM trademark and its logo may be utilized, copied and/or used in any form, time and space, even by means of improper alterations.

The Intellectual Property rights on the images published in this catalogue are owned exclusively by RAASM S.p.A. and any unauthorized reproduction is prohibited.

Any use in general of the assets protected by the Intellectual Property rights of RAASM S.p.A. is prohibited and is subject to the prior written permission of RAASM S.p.A.

ADVANCED FLUID MANAGEMENT SOLUTIONS



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.

The publication and the reprint of this catalogue is forbidden.



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 target is offer 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.



Authorized distributor



RAASM S.p.A.
36022 S. ZENO DI CASSOLA (VI)
Via Marangoni, 33 - ITALY

Export department
Tel. +39 0424 571130 - Fax 0424 571135
Technical department
Tel. +39 0424 571150 - Fax 0424 571155

info@raasm.com
www.raasm.com

GB

WRCVAVADBL2015-GB