

# HOSE REELS AISI 316

The present solution,  
the future ally

## No. 222-AA



**ADVANCED FLUID  
MANAGEMENT SOLUTIONS**



WATER  
 $\leq 130^{\circ}\text{C}$

OIL AND  
SIMILAR

GREASE

DIESEL FUEL

ADBLUE®





**ADVANCED FLUID  
MANAGEMENT SOLUTIONS**







**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.

[www.raasm.com](http://www.raasm.com)





## 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





# 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**

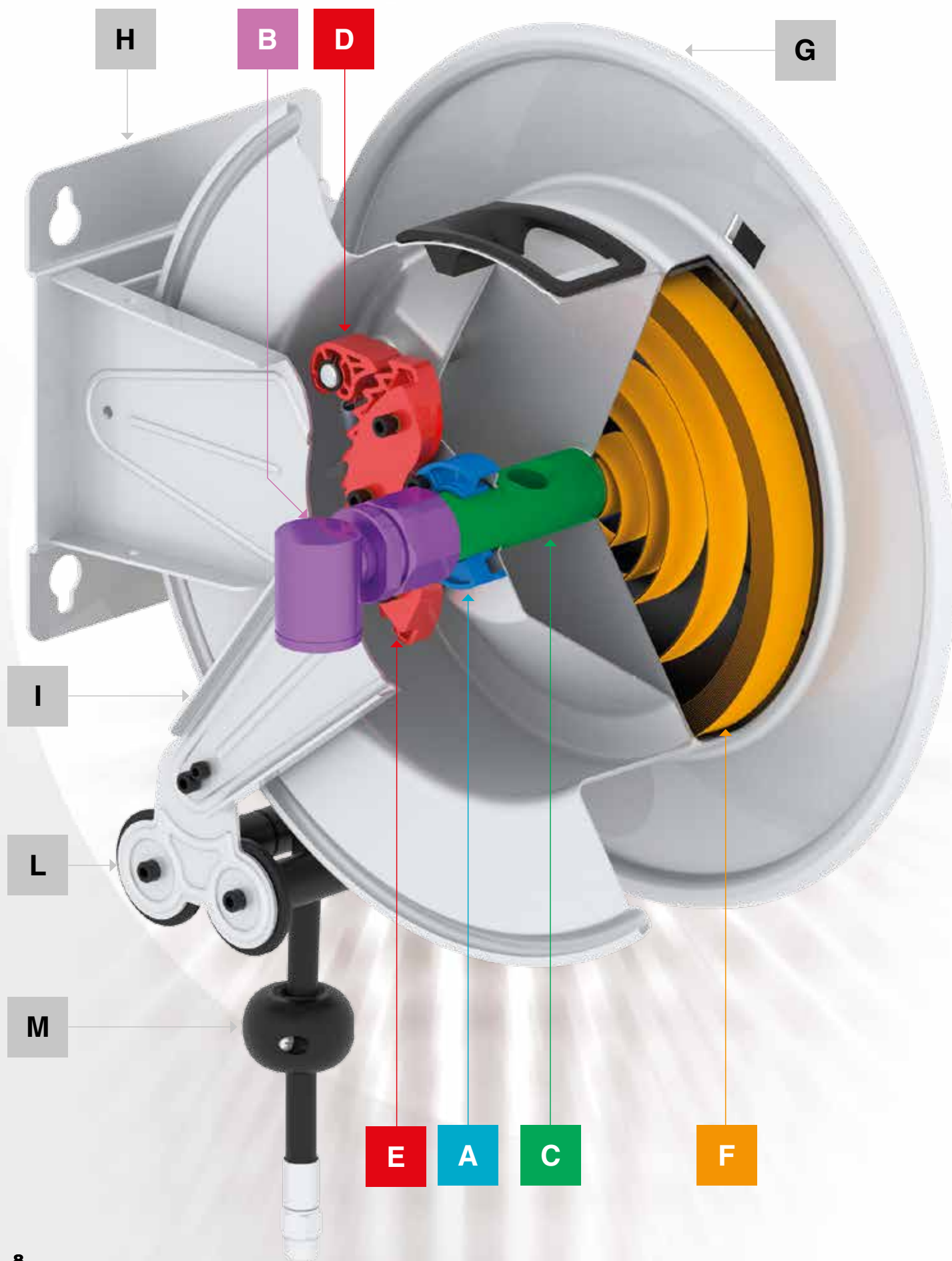
# TECHNICAL ASSISTANCE

**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 reel AISI 316





# TECHNICAL CHARACTERISTICS

A

## DRUM SUPPORT BUSHINGS

Drum support bushings in Tenaxid, self lubricating, material resistant against corrosion.

B

## SWIVEL JOINT

Designed with the ideal internal dimensions to guarantee the most possible flow. It is realized in AISI 316 with seals in Viton® and Teflon®.

C

## CENTRAL PIN

Made in stainless steel AISI 316, with passage sized to avoid pressure losses.

D

## PAWL

Easy to remove in case of maintenance, of increased thickness with reinforcing ribs ensuring high stress resistance and durability.

E

## STOPPING RACK

It offers the possibility to block the cable every 0,5 m.

F

## REWINDING SPRING

Rewinding spring totally protected from the external environment. The spring is subjected to a durability test of 20000 cycles (each cycle corresponds to the complete unwinding and rewinding of the cable) thus simulating an average life of over 10 years. Possibility to intervene to adjust the spring force increasing or decreasing the preload.

G

## DRUM

Sturdy and practical, with beads to reinforce the structure and rounded border. Made in stainless steel AISI 316.

H

## FIXED BRACKET

Solid and compact fixed bracket with 4 slotted mounting holes for easy and safe installation. Made in stainless steel AISI 316.

I

## ADJUSTABLE ARM

To favour hose extraction according to hose reel installation.

L

## HOSE GUIDE WITH ROLLERS

Wide width which allows to guide properly the hose for correct rewind. Equipped rollers, arranged horizontally that reduce hose wear.

M

## HOSE STOP

Comes with all hose reels equipped with hose, complete with adapters for using hoses of different diame

## Strength points



- **The stainless steel AISI 316** allows the use of the hose reel in aggressive environments
- Can be used with **a lot of fluids and corrosive solutions**
- **Swivel joint and screws** in stainless steel AISI 316 for a better quality and durability
- All the models are in accordance with the **Atex directive**
- Available with **all the Raasm standard dimensions** (430-530-540-560 series)
- Hygienic hose available on request **for food industry**
- Greater security in your workplace with an equipment always **in order**



# Hose Reel AISI 316



These hose reels have the drum and the fixed bracket in stainless steel AISI 316. For this reason they are highly resistant during the years, in aggressive environments and with corrosive fluids.



In accordance with directive  
Atex 94/9 IIB 2 GD c T4 T135 °C X



**Toughness and  
durability**

**SERIES  
430**

**SERIES  
530**



Note: All the hose reels in the table are without hose

	SERIES 430	SERIES 530	Connection	
	P/N	P/N	inlet	outlet
<b>100 bar</b> - AISI 316 stainless steel swivel joint - "Viton®" seals	8435.200	8535.200	F1/2"G	F1/2"G
<b>200 bar</b> - AISI 316 stainless steel swivel joint - "Viton®" seals	8435.300	8535.300	F3/8"G	F1/2"G
<b>400 bar</b> - AISI 316 stainless steel swivel joint - "Teflon®" seals	8435.350	8535.350	F3/8"G	F1/2"G
	N°1 packing   m³ 0,098    kg 16	N°1 packing   m³ 0,130    kg 26		

Some of the most  
common fluids compatible

Water ≤ 130° C

Oil and similar

Grease

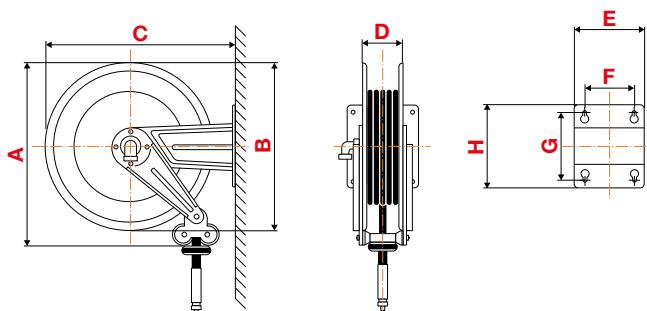
Diesel fuel

AdBlue®

## HOSE REEL CAPACITY

Ø HOSE EXTERNAL	SERIES 430	SERIES 530
1/4" 14 mm	Length max 20 m	Length max 25 m
3/8" 17 mm	Length max 21 m	Length max 25 m
1/2" 20 mm	Length max 15 m	Length max 25 m
5/8" 21 mm	Length max 12 m	Length max 25 m
3/4" 27 mm	Length max 8 m	Length max 15 m
1" 34 mm	-	Length max 11 m

## OVERALL DIMENSIONS (mm)



SERIES	A	B	C	D	E	F	G	H
430	460	420	460	115	186	140	196	226
530	550	510	560	115	203	153	220	258





# Hose Reel AISI 316



These hose reels have the drum and the fixed bracket in stainless steel AISI 316. For this reason they are highly resistant during the years, in aggressive environments and with corrosive fluids.



In accordance with directive  
Atex 94/9 IIB 2 GD c T4 T135 °C X



**Toughness and  
durability**

**SERIES  
540**

**SERIES  
560**



Note: All the hose reels in the table are without hose

	SERIES 540	SERIES 560	Connection	
	P/N	P/N	inlet	outlet
<b>100 bar</b> - AISI 316 stainless steel swivel joint - "Viton®" seals	<b>8545.200</b>	<b>8565.200</b>	F 1" G	F 1" G
	📦 N°1 packing m³ 0,214 ⚖️ kg 21	📦 N°1 packing m³ 0,264 ⚖️ kg 39		

Some of the most  
common fluids compatible

Water ≤ 130° C

Oil and similar

Grease

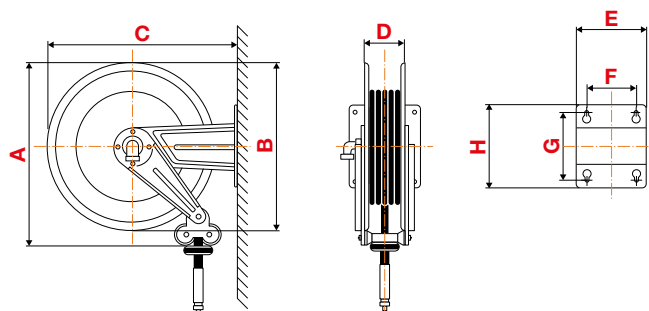
Diesel fuel

AdBlue®

## HOSE REEL CAPACITY

Ø HOSE EXTERNAL		SERIES 540	SERIES 560
1/4"	14 mm	Length max 30 m	Length max 55 m
3/8"	17 mm	Length max 30 m	Length max 55 m
1/2"	20 mm	Length max 30 m	Length max 60 m
5/8"	21 mm	Length max 30 m	Length max 60 m
3/4"	27 mm	Length max 20 m	Length max 40 m
1"	34 mm	Length max 15 m	Length max 30 m

## OVERALL DIMENSIONS (mm)



SERIES	A	B	C	D	E	F	G	H
540	550	510	573	190	300	218	228	268
560	550	510	578	368	488	399	238	272



# Manual Hose reel AISI 316





# TECHNICAL CHARACTERISTICS

A

## DRUM SUPPORT BUSHINGS

Drum support bushings in Tenaxid, self lubricating, material resistant against corrosion.

B

## SWIVEL JOINT

Designed with the ideal internal dimensions to guarantee the most possible flow. It is realized in AISI 316 with seals in Viton® and Teflon®.

C

## CENTRAL PIN

Made in stainless steel AISI 316, with passage sized to avoid pressure losses.

D

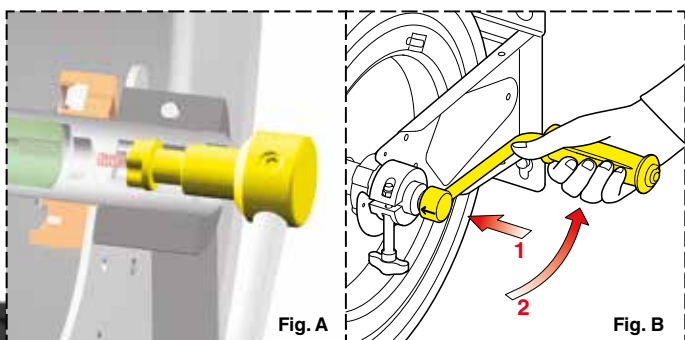
## REGULATION CLUTCH

Allows to regulate the drum rotation speed during the hose unwinding. It works also as a rotation lock.

E

## SECURITY SYSTEM

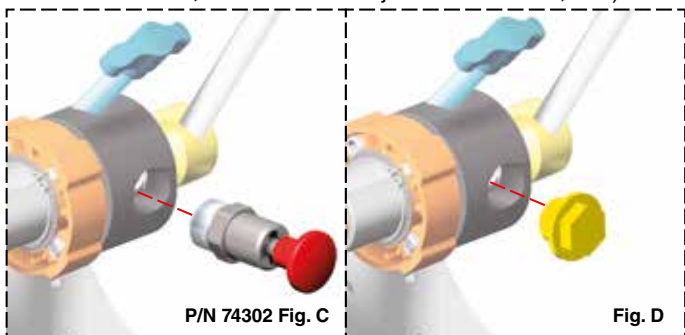
The hose reel is designed with a new security system that allows the handle to stay in place, avoiding the rotation, during the manual hose unreeling.



F

## ROTATION LOCK (OPTIONAL)

This special device stops any drum movement and is available only on request. Its use is highly recommended during moving applications (i.e. trucks, machineries subject to vibrations, etc.).



G

## DRUM

Sturdy and practical, with beads to reinforce the structure and rounded border. Made in stainless steel AISI 316.

H

## FIXED BRACKET

Solid and compact fixed bracket with 4 slotted mounting holes for easy and safe installation. Made in stainless steel AISI 316.

## Strength points



- Security system that **prevents the handle rotation** while the hose unreels, thus avoiding accidental damages to people or things
- **AISI 316 stainless steel** version for particularly aggressive environments
- **Max reel capacity.** The spring absence allows for the maximum utilization of the drum space
- **Great handling** thanks to its lightweight
- Available with **rotation block** for use in environments with vibrations (trucks, industrial machines, etc)
- **Compatible with numerous fluids types**, also aggressive
- Hygienic hose available on request **for food industry**
- Available with **all the Raasm standard dimensions** (430-530-540-560 series)



# MANUAL Hose Reel AISI 316



These manual hose reels have the drum and the fixed bracket in stainless steel AISI 316. For this reason they are highly resistant during the years, in aggressive environments and with corrosive fluids.



**Security and durability**

## OPTIONAL



**P/N 74302**  
Rotation lock  
(see page 13)



Note: All the hose reels in the table are without hose

	SERIES 430	SERIES 530	Connection	
	P/N	P/N	inlet	outlet
<b>100 bar</b> - AISI 316 stainless steel swivel joint - "Viton®" seals	74350.200	75350.200	F1/2"G	F1/2"G
<b>200 bar</b> - AISI 316 stainless steel swivel joint - "Viton®" seals	74350.300	75350.300	F3/8"G	F1/2"G
<b>400 bar</b> - AISI 316 stainless steel swivel joint - "Teflon®" seals	74350.350	75350.350	F3/8"G	F1/2"G
	N°1 packing m³ 0,122  kg 14,5	N°1 packing m³ 0,156  kg 16		

Some of the most common fluids compatible

Water ≤ 130° C

Oil and similar

Grease

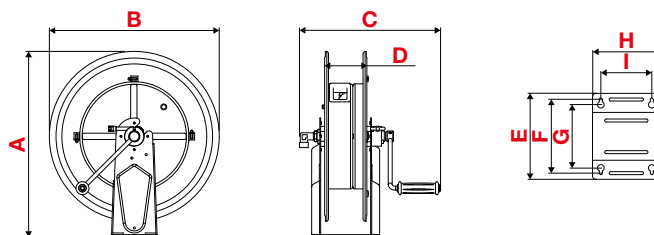
Diesel fuel

AdBlue®

## HOSE REEL CAPACITY

Ø HOSE EXTERNAL	SERIES 430	SERIES 530
1/4" 14 mm	Length max 20 m	Length max 25 m
3/8" 17 mm	Length max 21 m	Length max 25 m
1/2" 20 mm	Length max 15 m	Length max 25 m
5/8" 21 mm	Length max 12 m	Length max 25 m
3/4" 27 mm	Length max 8 m	Length max 15 m
1" 34 mm	-	Length max 11 m

## OVERALL DIMENSIONS (mm)



SERIES	A	B	C	D	E	F	G	H	I
430	458	415	410	115	226	196	170	186	140
530	558	510	423	115	258	221	190	203	153



# MANUAL Hose Reel AISI 316



These manual hose reels have the drum and the fixed bracket in stainless steel AISI 316. For this reason they are highly resistant during the years, in aggressive environments and with corrosive fluids.

**SERIES 540**

**SERIES 560**

✓ **Security and durability**

**OPTIONAL**



**P/N 74302**  
Rotation lock  
(see page 13)



Note: All the hose reels in the table are without hose

	SERIES 540	SERIES 560	Connection	
	P/N	P/N	inlet	outlet
<b>100 bar</b> - AISI 316 stainless steel swivel joint - "Viton®" seals	<b>75450.200</b>	<b>75650.200</b>	F 1" G	F 1" G
	📦 N°1 packing m³ 0,214 ⚖ kg 21	📦 N°1 packing m³ 0,280 ⚖ kg 36		

Some of the most common fluids compatible

Water ≤ 130° C

Oil and similar

Grease

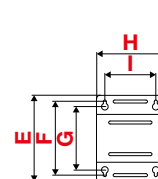
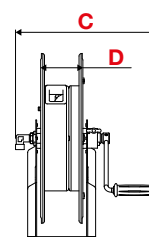
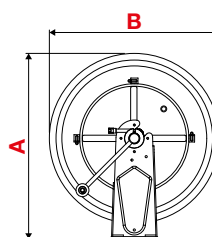
Diesel fuel

AdBlue®

## HOSE REEL CAPACITY

Ø HOSE EXTERNAL	SERIES 540	SERIES 560
1/4" 14 mm	Length max 30 m	Length max 55 m
3/8" 17 mm	Length max 30 m	Length max 55 m
1/2" 20 mm	Length max 30 m	Length max 60 m
5/8" 21 mm	Length max 30 m	Length max 60 m
3/4" 27 mm	Length max 20 m	Length max 40 m
1" 34 mm	Length max 15 m	Length max 30 m

## OVERALL DIMENSIONS (mm)

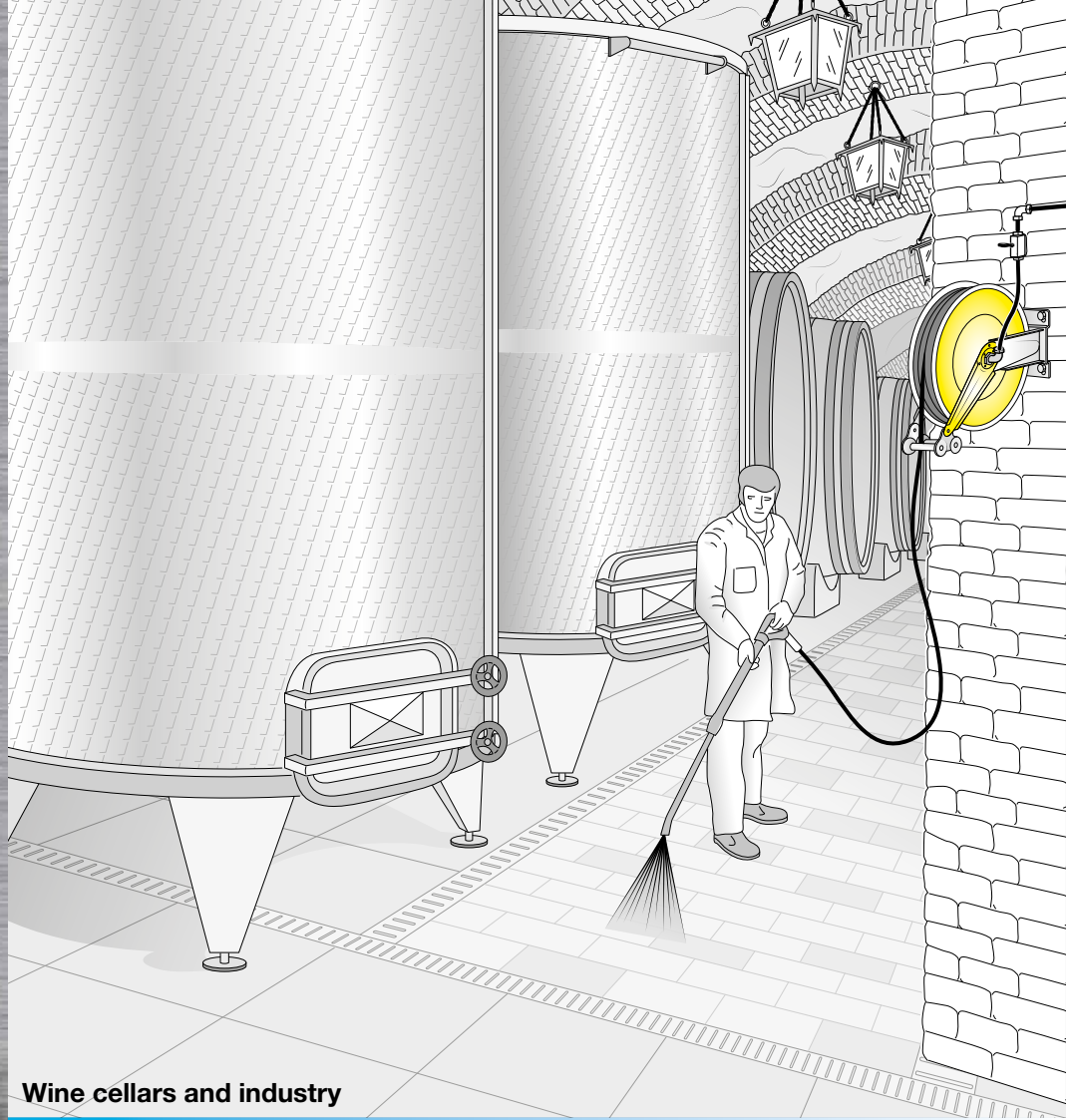


SERIES	A	B	C	D	E	F	G	H	I
540	557	510	482	190	258	219	182	272	222
560	578	510	667	368	282	248	210	468	399

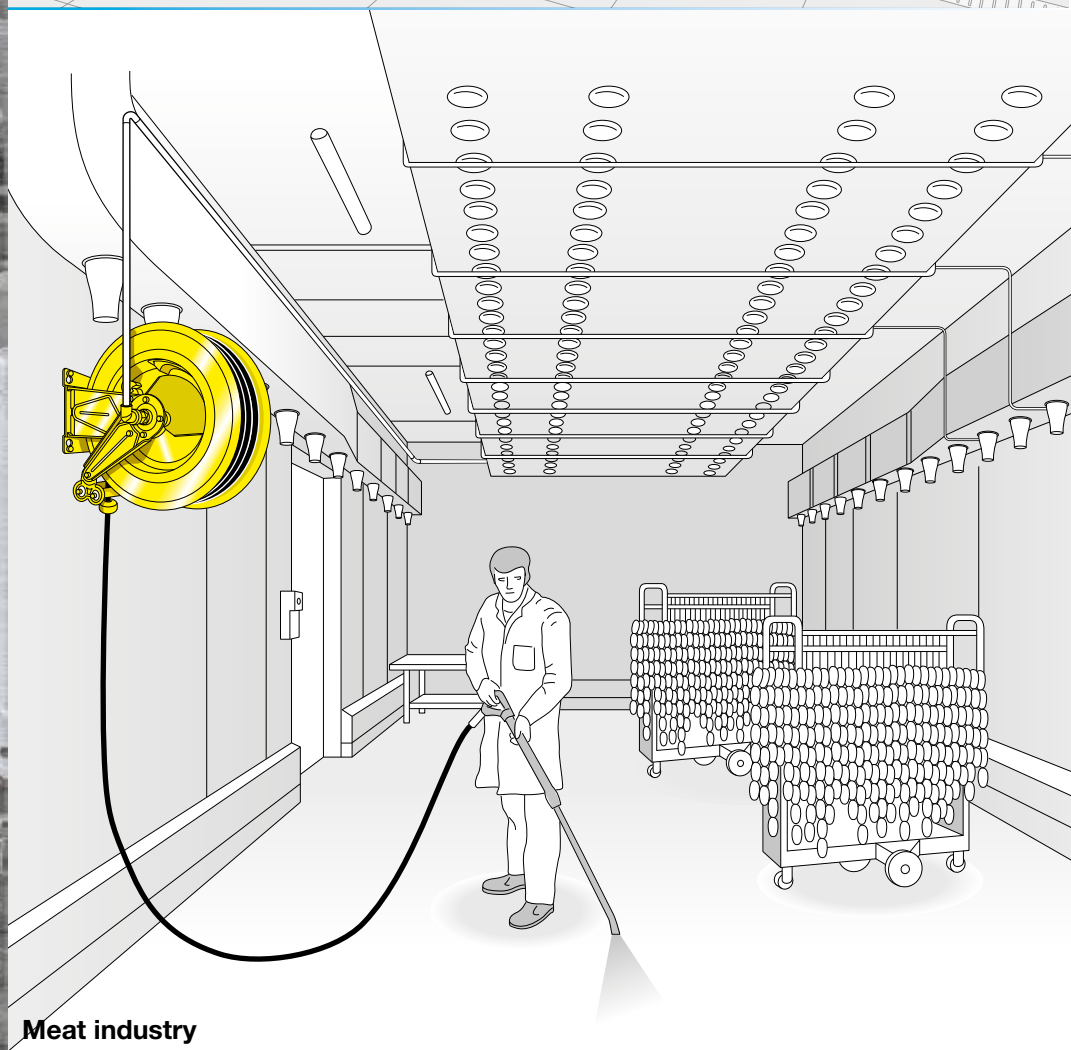




**ADVANCED FLUID  
MANAGEMENT SOLUTIONS**



**Wine cellars and industry**



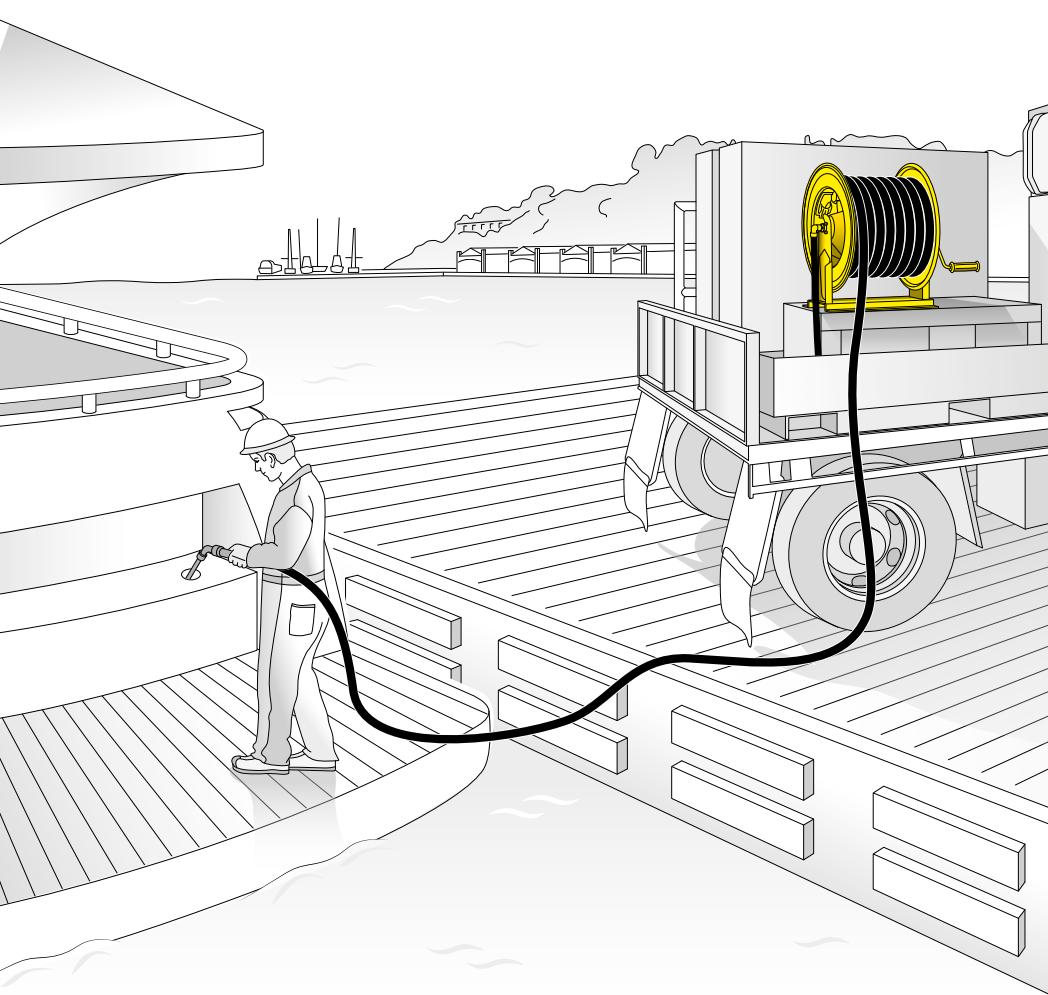
**Meat industry**



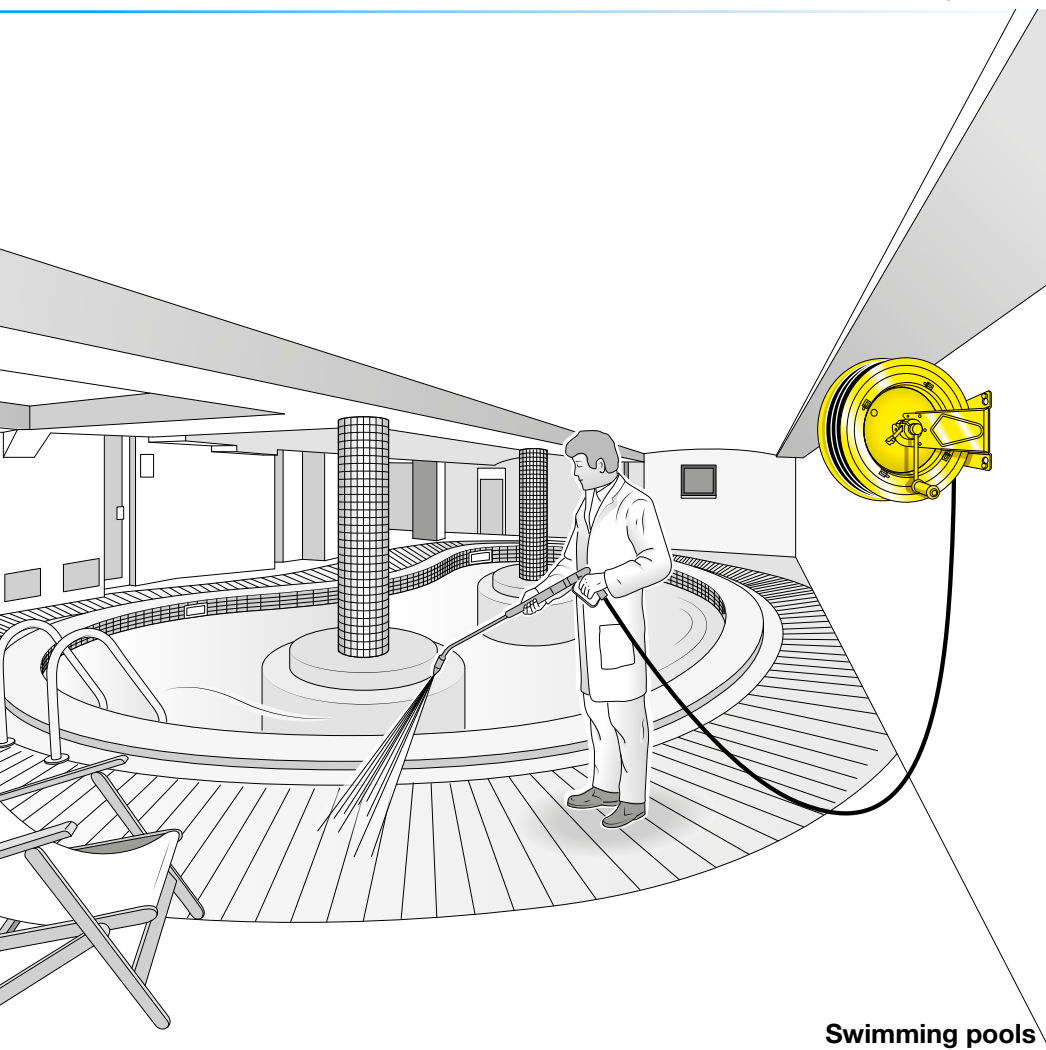
# APPLICATION FIELDS

**In the food industry, in swimming pools or harbors:** these are only some examples about the use of the stainless steel AISI 316 hose reels. Other use sectors are:

- **heavy industry**
- **mines**
- **off-shore platformes**
- **road cleaning**
- **wine cellars, dairies and oil mills**
- **and many others...**



Refuelling boats



Swimming pools





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



# 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 to 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 571 130 - Fax 0424 571 135  
**Technical department**  
Tel. +39 0424 571 150 - Fax 0424 571 155

info@raasm.com  
www.raasm.com

GB

WRAVVAIS1316-GB