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MANUAL HOSE REELS

CATALOGUE No. E15/AM

TECHNOLOGY FOR FLUIDYNAMICS

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

- HOSE REELS CATALOGUE No. E14/A1
- HOSE REELS CATALOGUE No. E14/A2
- HOSE REELS CATALOGUE No. E14/A3
- CABLE REELS CATALOGUE No. E15/AE
- AISI 316 STAINLESS STEEL HOSE REELS CATALOGUE No. E15/AA
- OIL CATALOGUE No. E14/LO
- GREASE CATALOGUE No. E14/LG
- DIAPHRAGM PUMPS CATALOGUE No. 2015/M
- DIAPHRAGM PUMPS ENTIRELY IN POLYPROPYLENE CATALOGUE No. E15/PPB
- DIGITAL METER AND PULSER
- FLUID CONTROL SYSTEM
- RAM HOISTS CATALOGUE No. E15/SP

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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





OUR STRENGTHS

The widest range of technology for fluidynamics designed to meet all the needs of our clients with cutting-edge solutions, even the most specific.

The quality, reliability and design that have always distinguished the Ecodora brand in the global market.

A technical service before and after sales to recommend the most suitable product according to the customer's needs as well as to provide support to the end users.

OUR GOALS

To develop a long lasting cooperation with our customers by listening to their needs and their expectations.

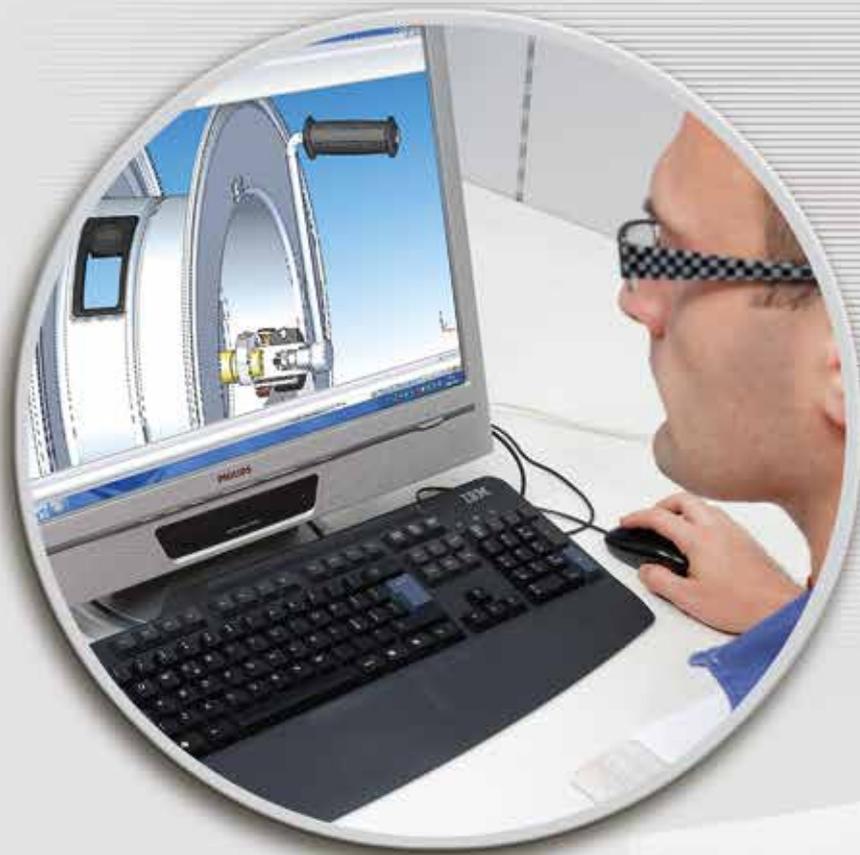
To meet every user's need by offering only high quality products.

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CE Made in Italy

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.





APPLICATION FIELDS

The resistance, manageability and the capacity of the manual hose reels are important characteristics.

With these qualities, the manual hose reels are usable in all the working environments, as, for example, in agriculture, shipyard and many other.



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STRENGTH POINTS

- ▶ security system that **prevents the handle rotation** while the hose unreels, thus avoiding accidental damages to people or things
- ▶ **AISI 304 or AISI 316 stainless steel** version for particularly aggressive environments
- ▶ epoxy powder **paint** with a minimum thickness of 80µm **that ensures endurance and protection** for the painted steel version
- ▶ **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)
- ▶ the Series 700 allows for the **customization of the reeling side**
- ▶ **compatible with numerous fluids types**, also aggressive (see compatibility chart)

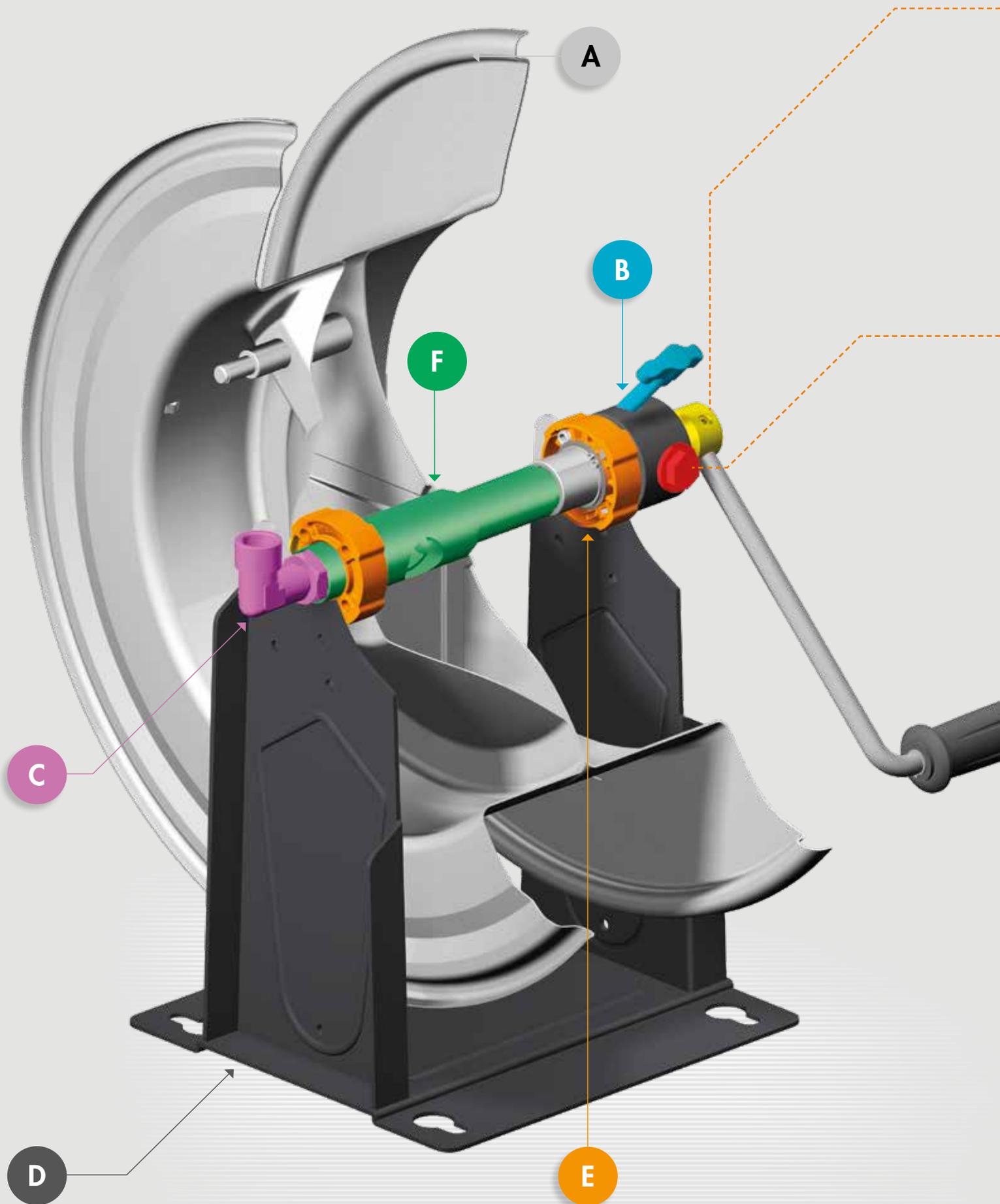
UNREEL
WITH
SAFETY

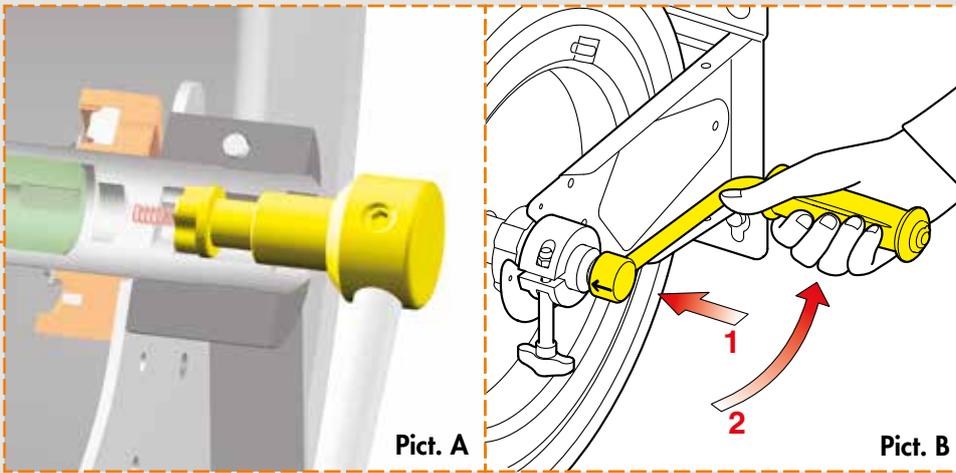


The **handle rotation lock system**, designed by ECODORA, allows you to work without any concerns.

Series 430-530-540-560

Technical characteristics



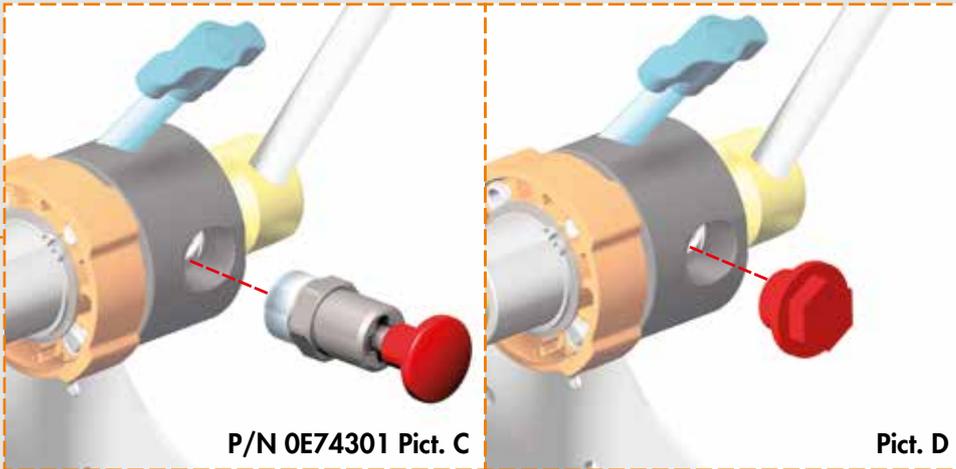


SECURITY SYSTEM

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 (Picture A).

To rewind the hose, use the handle as follows (Picture B):

- 1 press on the knob that connects the handle to the drum
- 2 rotate handle counterclockwise



P/N OE74301 ROTATION LOCK (Picture C)

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.).

STOPPER (Picture D)

In the absence of the rotation lock, a stopper will protect the clutch from foreign particles accessing it.

A

DRUM

Sturdy and practical, with beads to reinforce the structure and rounded border. Available with painted steel, ABS shock proof drum, AISI 304 or AISI 316 stainless steel version.

B

REGULATION CLUTCH

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

C

SWIVEL JOINT

Designed with the ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in brass, galvanized steel, AISI 304 or AISI 316 stainless steel, with seals in Polyurethane, Viton® and Teflon®.

D

WALL BRACKET

Solid and compact in painted steel, AISI 304 or AISI 316 stainless steel bracket with 4 slotted mounting holes for easy and safe installation.

E

DRUM SUPPORT BUSHINGS

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

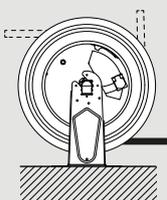
F

CENTRAL PIN

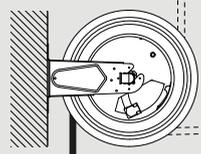
In galvanized steel or in stainless steel AISI 304 or AISI 316. Suitable to work with different kinds of fluids and with passages sized to avoid pressure losses.

HOSE REEL INSTALLATION

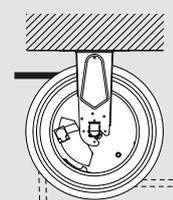
Bench installation



Wall installation



Ceiling installation



MANUAL

Both the drum and the bracket in the **S. 430 manual hose reels** are in painted steel or AISI 304 or AISI 316 stainless steel. This contributes to their resistance in time and in particularly aggressive environments.

PAINTED
STEEL

AISI 304 - 316
STAINLESS
STEEL



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

Fluid - Pressure	PAINTED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	Connection	
	P/N	P/N	P/N	inlet	outlet
Air - Water 20 bar - brass swivel joint - Viton® seals	74300/10	74320/10	-	F 1/2" G	F 1/2" G
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - Viton® seals	74300/20	74340/20 *	74350/20 **	F 1/2" G	F 1/2" G
Water max 130° C 200 bar - AISI 304 stainless steel swivel joint - Viton® seals	74300/30	74340/30	74350/30 **	F 3/8" G	F 1/2" G
Water max 130° C 400 bar - AISI 304 stainless steel swivel joint - Teflon® seals	74300/35	74340/35	74350/35 **	F 3/8" G	F 1/2" G
Oil and similar 150 bar - galvanized steel swivel joint - "polyurethane" seals	74300/40	-	-	F 1/2" G	F 1/2" G
Grease 600 bar - galvanized steel swivel joint - "polyurethane" seals	74300/50	74320/50	-	F 3/8" G	F 1/2" G
Diesel fuel 10 bar - brass swivel joint - Viton® seals	74300/60	74320/60	-	F 1/2" G	M 1/2" G
				for hoses from 5/8" and 3/4"	

Note: for special fluids see the compatibility table at page 26

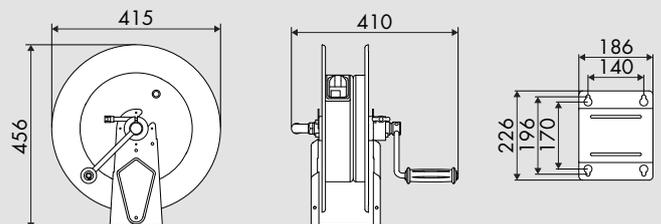
* suitable also for oil

** AISI 316 stainless steel swivel joint

Hose reel capacity

ø hose external		Series 430
1/4"	14 mm	Length max 40 m
3/8"	17 mm	Length max 18 m
1/2"	20 mm	Length max 15 m
5/8"	21 mm	Length max 12 m
3/4"	27 mm	Length max 8 m

Overall dimensions (mm)



No.1 packing m³ 0,110 kg 11

MANUAL with ABS shock proof drum

The ABS S. 4430 manual hose reels present the same advantages of the manual hose reels' family but are easier to handle thanks to the ABS drum that reduces their weight.

bracket
PAINTED
STEEL

bracket
STAINLESS
STEEL

Handiness
and weight



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

Fluid - Pressure	PAINTED STEEL	STAINLESS STEEL	Connection	
	P/N	P/N	inlet	outlet
Air - Water 20 bar - brass swivel joint - Viton® seals	74305/10	74325/10	F1/2"G	F1/2"G
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - Viton® seals	74305/20	74345/20 *	F1/2"G	F1/2"G
Water max 130° C 200 bar - AISI 304 stainless steel swivel joint - Viton® seals	74305/30	74345/30	F3/8"G	F1/2"G
Water max 130° C 400 bar - AISI 304 stainless steel swivel joint - Teflon® seals	74305/35	74345/35	F3/8"G	F1/2"G
Oil and similar 150 bar - galvanized steel swivel joint - "polyurethane" seals	74305/40	-	F1/2"G	F1/2"G
Grease 600 bar - galvanized steel swivel joint - "polyurethane" seals	74305/50	74325/50	F 3/8" G	F 1/2" G
Diesel fuel 10 bar - brass swivel joint - Viton® seals	74305/60	74325/60	F 1/2" G	M 1/2" G
			for hoses from 5/8" and 3/4"	

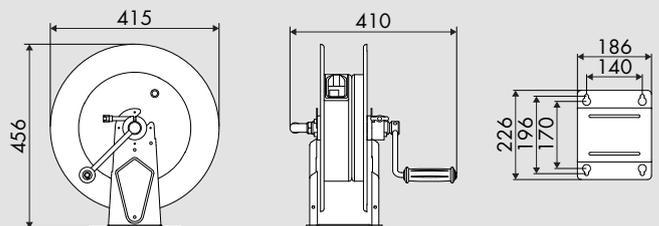
Note: for special fluids see the compatibility table at page 26

* suitable also for oil

Hose reel capacity

ø hose external		Series 4430 ABS
1/4"	14 mm	Length max 40 m
3/8"	17 mm	Length max 18 m
1/2"	20 mm	Length max 15 m
5/8"	21 mm	Length max 12 m
3/4"	27 mm	Length max 8 m

Overall dimensions (mm)



No.1 packing m³ 0,110 kg 9

MANUAL

With the Series 530 manual hose reels, dimensions increase, guaranteeing a greater standard of rewinding length.

PAINTED
STEEL

AISI 304 - 316
STAINLESS
STEEL

Endurance and capacity



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

Fluid - Pressure	PAINTED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	Connection	
	P/N	P/N	P/N	inlet	outlet
Air - Water 20 bar - brass swivel joint - Viton® seals	75300/10	75320/10	-	F1/2"G	F1/2"G
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - Viton® seals	75300/20	75340/20 *	75350/20 **	F1/2"G	F1/2"G
Water max 130° C 200 bar - AISI 304 stainless steel swivel joint - Viton® seals	75300/30	75340/30	75350/30 **	F3/8"G	F1/2"G
Water max 130° C 400 bar - AISI 304 stainless steel swivel joint - Teflon® seals	75300/35	75340/35	75350/35 **	F3/8"G	F1/2"G
Oil and similar 150 bar - galvanized steel swivel joint - "polyurethane" seals	75300/40	-	-	F1/2"G	F1/2"G
Grease 600 bar - galvanized steel swivel joint - "polyurethane" seals	75300/50	75320/50	-	F 3/8" G	F 1/2" G
Diesel fuel 10 bar - brass swivel joint - Viton® seals	75300/60	75320/60	-	F 1" G	F 1" G

Note: for special fluids see the compatibility table at page 26

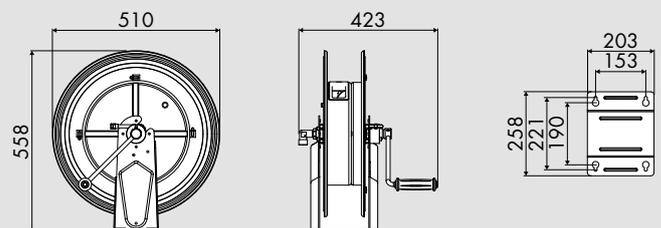
* suitable also for oil

** AISI 316 stainless steel swivel joint

Hose reel capacity

ø hose external		Series 530
1/4"	14 mm	Length max 60 m
3/8"	17 mm	Length max 35 m
1/2"	20 mm	Length max 25 m
5/8"	21 mm	Length max 18 m
3/4"	27 mm	Length max 15 m
1"	34 mm	Length max 7 m

Overall dimensions (mm)



No.1 packing m³ 0,156 kg 15,5

MANUAL

The Series 540 manual hose reel is an efficient and simple solution to the handling of flexible hoses even up to 1".

PAINTED
STEEL

AISI 304 - 316
STAINLESS
STEEL

Endurance and capacity with hoses up to 1"



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

Fluid - Pressure	PAINTED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	Connection	
	P/N	P/N	P/N	inlet	outlet
Air - Water 20 bar - brass swivel joint - Viton® seals	75400/10	75420/10	-	F 1" G	F 1" G
	75400/15	75420/15	-	F 1/2" G	F 1/2" G
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - Viton® seals	75400/20	75440/20 *	75450/20 **	F 1" G	F 1" G
	75400/25	75440/25 *	-	F 1/2" G	F 1/2" G
Water max 130° C 200 bar - AISI 304 stainless steel swivel joint - Viton® seals	75400/30	75440/30	-	F 3/8" G	F 1/2" G
	75400/35	75440/35	-	F 3/8" G	F 1/2" G
Oil and similar 150 bar - galvanized steel swivel joint - "polyurethane" seals	75400/40	-	-	F 1" G	F 1" G
	75400/45	-	-	F 1/2" G	F 1/2" G
Grease 600 bar - galvanized steel swivel joint - "polyurethane" seals	75400/50	75420/50	-	F 3/8" G	F 1/2" G
	75400/10	75420/10	-	F 1" G	F 1" G

Note: for special fluids see the compatibility table at page 26

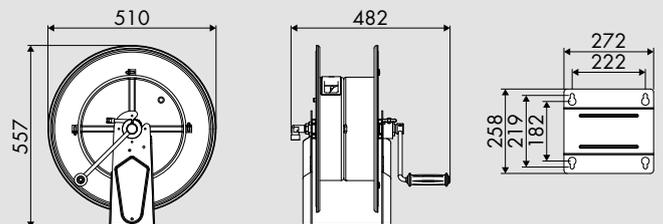
* suitable also for oil

** AISI 316 stainless steel swivel joint

Hose reel capacity

ø hose external		Series 540
1/4"	14 mm	Length max 110 m
3/8"	17 mm	Length max 60 m
1/2"	20 mm	Length max 45 m
5/8"	21 mm	Length max 25 m
3/4"	27 mm	Length max 20 m
1"	34 mm	Length max 15 m

Overall dimensions (mm)



No.1 packing m³ 0,214 kg 21

MANUAL

Amongst the wall and ceiling installable hose reels types, **the Series 560 is the most spacious.** Regardless of its strength, the simple operation is maintenance free.

PAINTED
STEEL

AISI 304 - 316
STAINLESS
STEEL

Endurance and max capacity



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

Fluid - Pressure	PAINTED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	Connection	
	P/N	P/N	P/N	inlet	outlet
Air - Water 20 bar - brass swivel joint - Viton® seals	75600/10	75620/10	-	F 1" G	F 1" G
	75600/16	75620/16	-	F 1/2" G	F 1/2" G
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - Viton® seals	75600/20	75640/20 *	75650/20 **	F 1" G	F 1" G
	75600/26	75640/26 *	-	F 1/2" G	F 1/2" G
Water max 130° C 200 bar - AISI 304 stainless steel swivel joint - Viton® seals	75600/30	75640/30	-	F 3/8" G	F 1/2" G
	75600/35	75640/35	-	F 3/8" G	F 1/2" G
Oil and similar 150 bar - galvanized steel swivel joint - "polyurethane" seals	75600/40	-	-	F 1" G	F 1" G
	75600/46	-	-	F 1/2" G	F 1/2" G
Grease 600 bar - galvanized steel swivel joint - "polyurethane" seals	75600/50	75620/50	-	F 3/8" G	F 1/2" G
	75600/10	75620/10	-	F 1" G	F 1" G

Note: for special fluids see the compatibility table at page 26

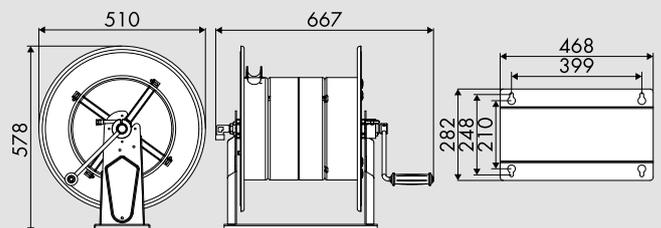
* suitable also for oil

** AISI 316 stainless steel swivel joint

Hose reel capacity

ø hose external	Series 560	
1/4"	14 mm	Length max 200 m
3/8"	17 mm	Length max 120 m
1/2"	20 mm	Length max 85 m
5/8"	21 mm	Length max 60 m
3/4"	27 mm	Length max 45 m
1"	34 mm	Length max 30 m

Overall dimensions (mm)



No.1 packing m³ 0,264 kg 39

Application fields

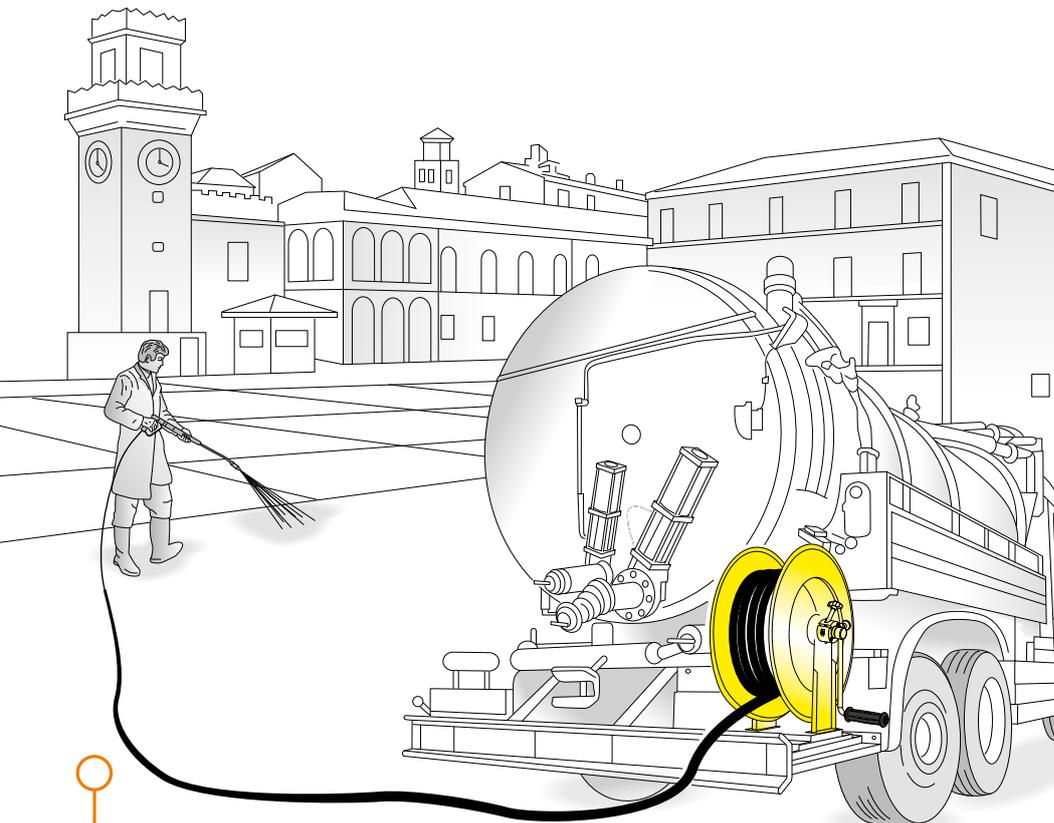


Agricultural pesticides treatments or roads cleaning are only two examples of the many uses that can be achieved with the Series 430-530 -540 and 560 manual hose reels.

Other sectors where they can be utilized are:

- **industries**
- **artisan businesses**
- **automotive sector**
- **pool washing**
- **basements**
- **...and many more**

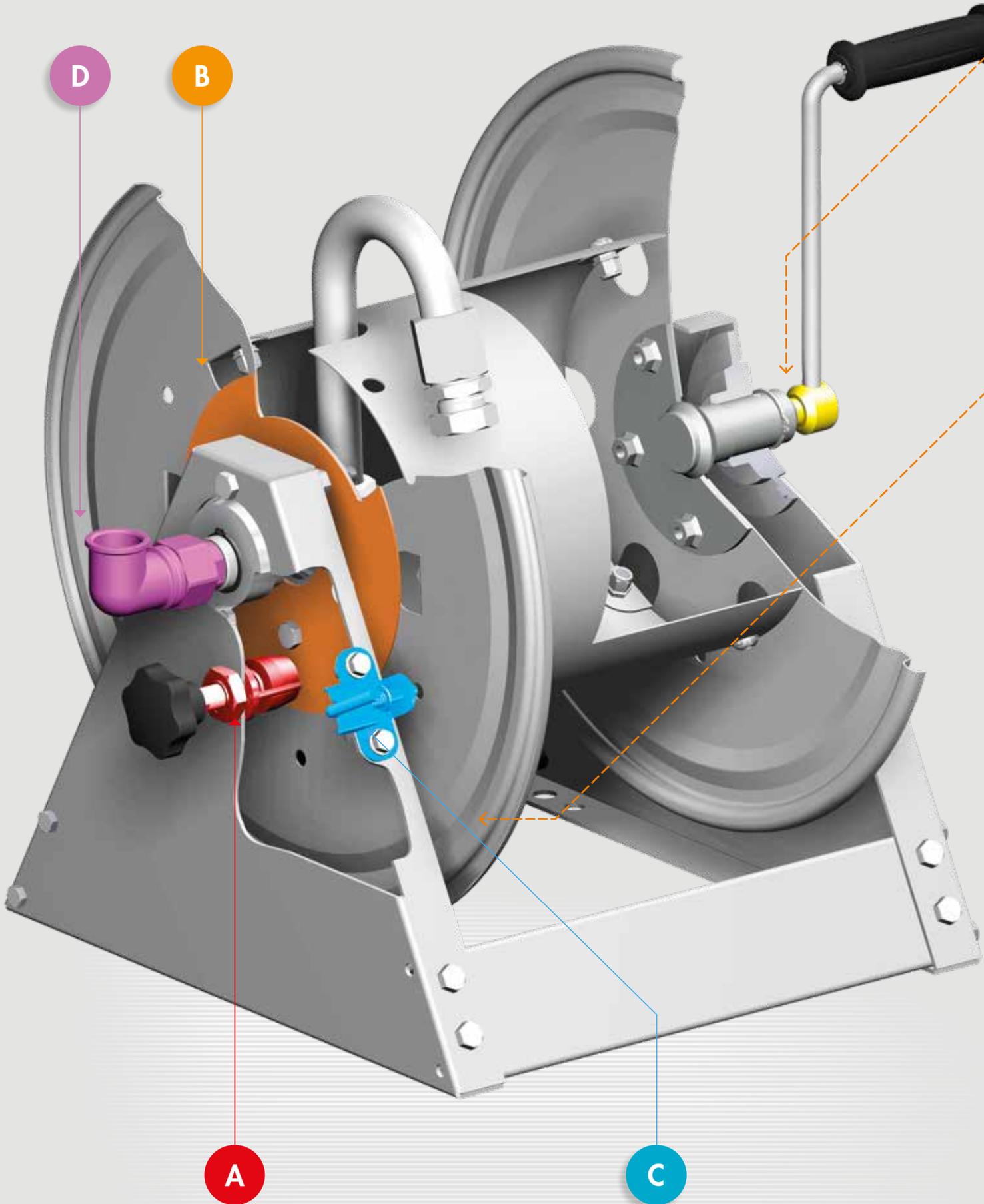
PESTICIDES TREATMENTS

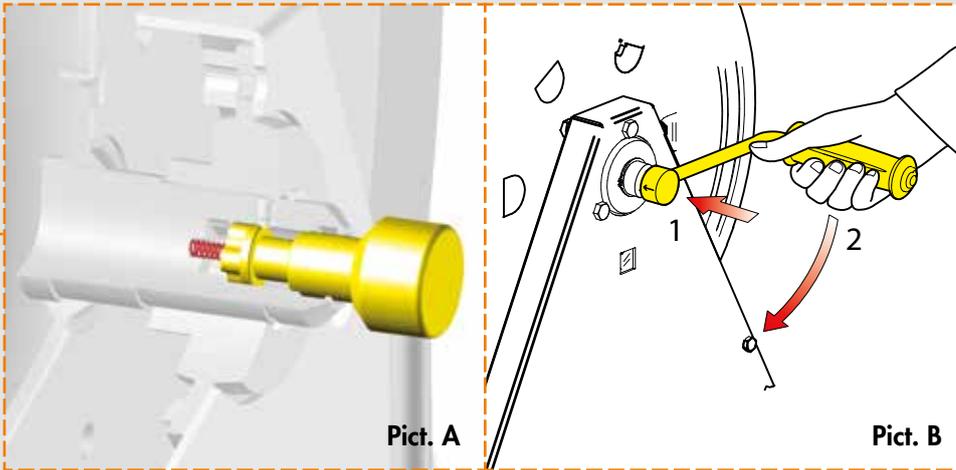


ROADS CLEANING

Series 500

Technical characteristics



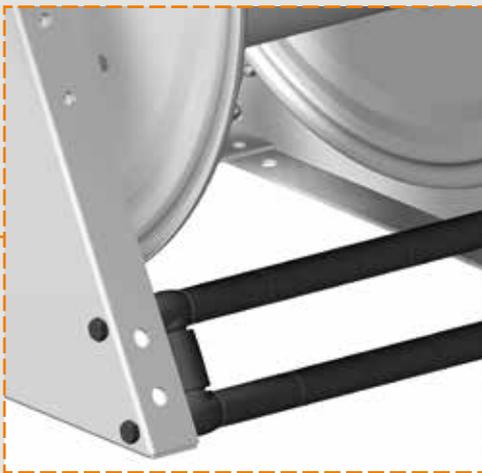


SECURITY SYSTEM

The hose reel is designed with a special, new security system that allows the handle to stay in place, preventing rotation during the manual hose-unwinding phase (Picture A).

To rewind the hose, use the handle as follows (Picture B):

- 1 Press on the knob that connects the handle to the drum
- 2 Turn handle clockwise



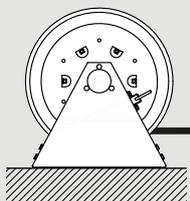
HOSE GUIDE WITH ROLLERS

Hose guide with rollers that ensure easy sliding of the hose during unwinding and rewinding.

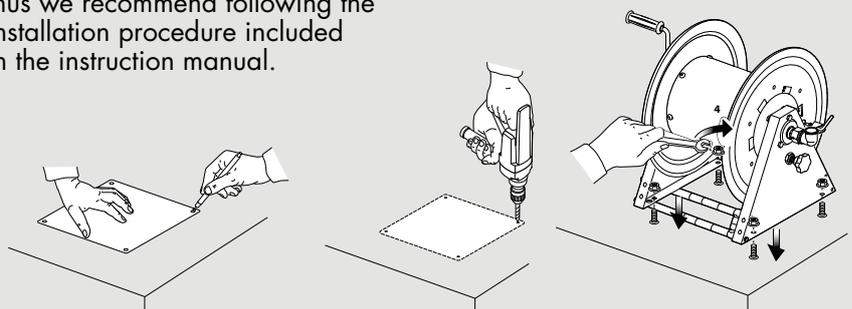
- A CLUTCH IN POM**
The clutch in POM (to be used only during unwinding), creates the necessary friction for regulating hose unwinding speed.
- B BREAKING DISK**
Stainless steel disk where the clutch acts.
- C ROTATION LOCK**
Manually lock for the drum rotation.
- D SWIVEL JOINT**
Designed with the ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in brass, galvanized steel and AISI 304 stainless steel, with seals in Polyurethane or Viton®.

HOSE REEL INSTALLATION

Bench and/or floor application



Installation is a very important phase for the safe use of the hose reel, thus we recommend following the installation procedure included in the instruction manual.



MANUAL

The Series 500 hose reels are a practical and simple solution for the handling of hoses of a substantial length. Because of their simple operation, ordinary maintenance is not required. Built with high quality materials and with a sturdy structure, these hose reels are a great and economical alternative to even with considerable hose lengths.

PAINTED
STEEL



Convenience and high capacity

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

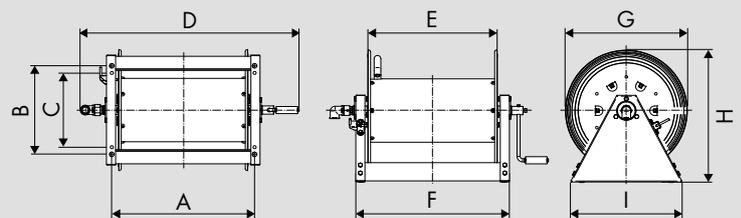
Fluid - Pressure	width 240 mm	width 320 mm	width 460 mm	width 600 mm	Connection	
					inlet	outlet
Air - Water 20 bar - brass swivel joint - Viton® seals	0E7522001/100	0E7532001/100	0E7552001/100	0E7562001/100	F 1" G	F 1" G
	0E7522001/150	0E7532001/150	0E7552001/150	0E7562001/150	F 1/2" G	F 1/2" G
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - Viton® seals	0E7522001/200	0E7532001/200	0E7552001/200	0E7562001/200	F 1" G	F 1" G
	0E7522001/250	0E7532001/250	0E7552001/250	0E7562001/250	F 1/2" G	F 1/2" G
Water max 130° C 200 bar - AISI 304 stainless steel swivel joint - Viton® seals	0E7522001/300	0E7532001/300	0E7552001/300	0E7562001/300	F3/8" G	F1/2" G
	0E7522001/400	0E7532001/400	0E7552001/400	0E7562001/400	F 1" G	F 1" G
Oil and similar 150 bar - galvanized steel swivel joint - "polyurethane" seals	0E7522001/450	0E7532001/450	0E7552001/450	0E7562001/450	F 1/2" G	F 1/2" G
	0E7522001/100	0E7532001/100	0E7552001/100	0E7562001/100	F 1" G	F 1" G
Diesel fuel 10 bar - brass swivel joint - Viton® seals	0E7522001/100	0E7532001/100	0E7552001/100	0E7562001/100	F 1" G	F 1" G

Note: for special fluids see the compatibility table at page 26

Hose reel capacity

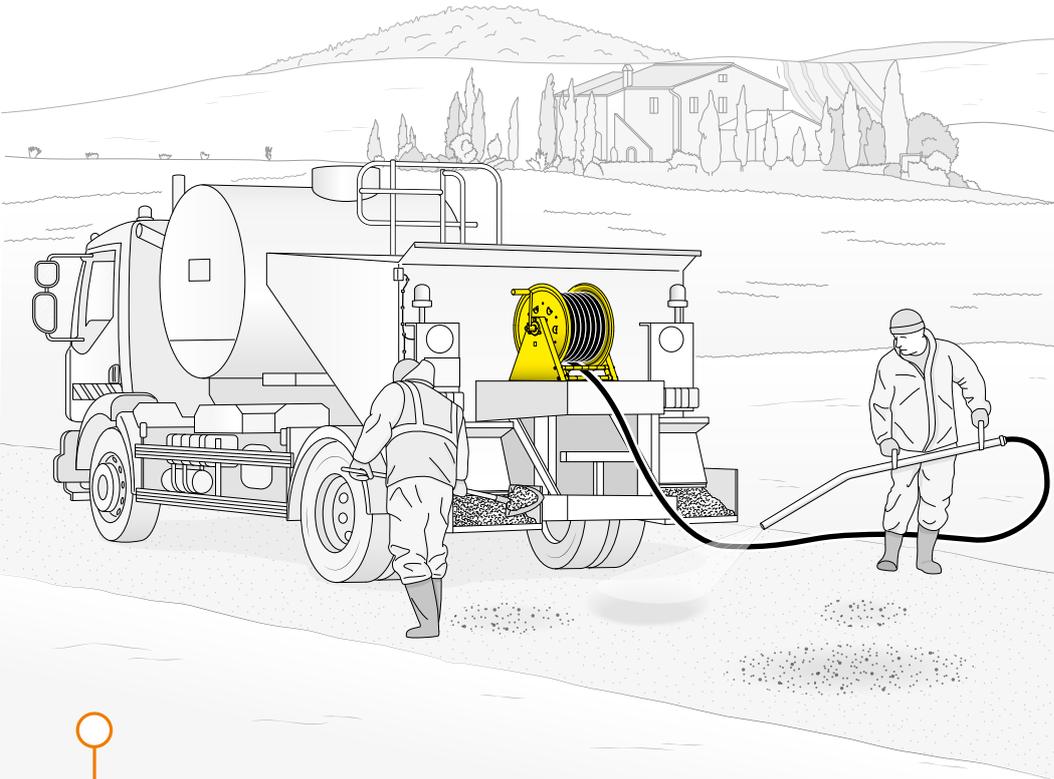
ø hose external		240 mm	320 mm	460 mm	600 mm	
	1/4"	14 mm	130 m	150 m	220 m	300 m
	3/8"	17 mm	85 m	80 m	120 m	160 m
	1/2"	20 mm	65 m	70 m	105 m	140 m
	3/4"	27 mm	30 m	40 m	60 m	80 m
	1"	34 mm	20 m	30 m	45 m	60 m

Overall dimensions (mm)



Width	A	B	C	D	E	F	G	H	I	1-m³	Kg
240 mm	297	373	313	631	242	342	510	555	468	0,208	25,2
320 mm	377	373	313	711	322	422	510	555	468	0,243	26,8
460 mm	517	373	313	851	462	562	510	555	468	0,304	29,3
600 mm	657	373	313	991	602	702	510	555	468	0,365	31,9

Application fields



**ROADS
ADHESIVE**



**CONSTRUCTION
SITES**

Thanks to their sturdiness, the Series 500 hose reels are ideal for heavy work contexts as **road maintenance and construction sites**. They can also be employed in:

- **agriculture**
- **mines**
- **refineries**
- **aeronautics**
- **shipyards and ...and many more**

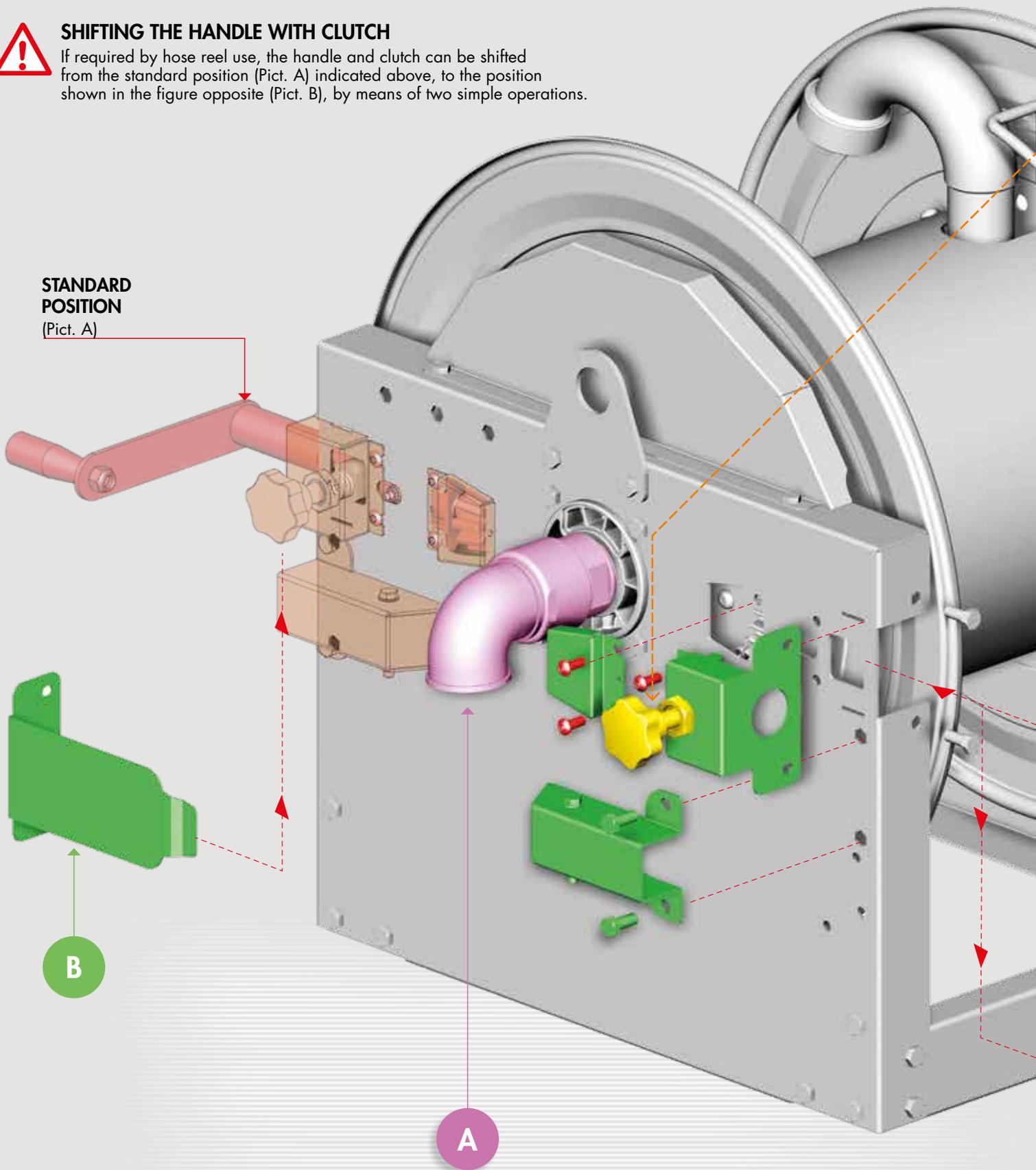
Series 700

Technical characteristics



SHIFTING THE HANDLE WITH CLUTCH

If required by hose reel use, the handle and clutch can be shifted from the standard position (Pict. A) indicated above, to the position shown in the figure opposite (Pict. B), by means of two simple operations.



STANDARD
POSITION
(Pict. A)

B

A

A

SWIVEL JOINT

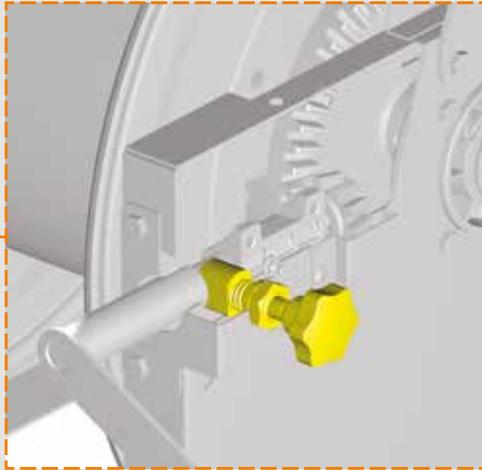
Designed with the ideal internal dimensions to guarantee the most possible flow. It is realized in galvanized steel or aluminium with seals in Viton®.

B

HOLE COVER

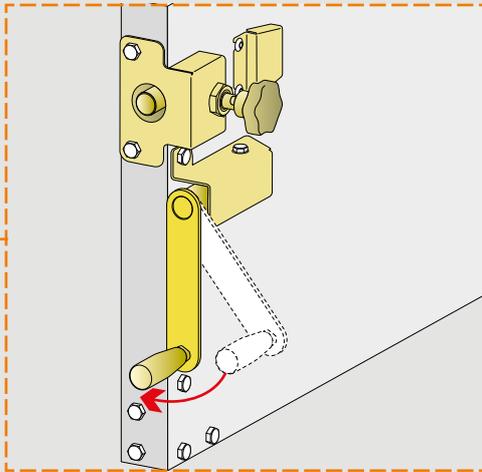
POSITION OF HANDLE WITH CLUTH

The clutch is indispensable for regulating the hose unwinding speed and preventing the drum from turning empty due to inertia. The hose reel comes with the winding handle and clutch in the standard position (Pict. A).



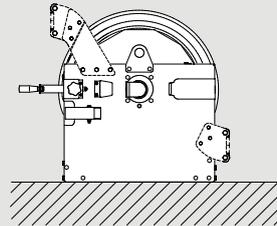
CLUTH IN POM

The clutch in POM, which acts on the handle (to be used only during unwinding), creates the necessary friction on the pinion, for regulating hose unwinding speed.



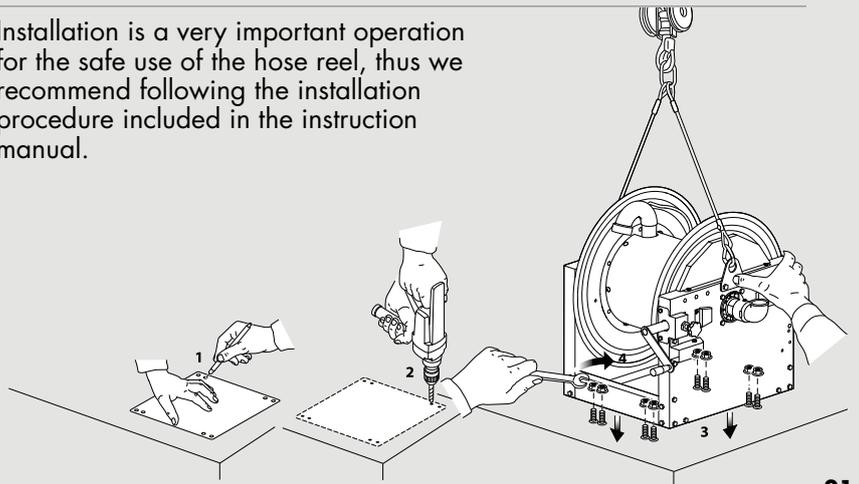
The practical handle, connected to the external rack allows easy winding of the hose at the same time controlling its positioning on the drum. There is also an easy allocation where the handle can be stored during the un-winding operation.

BENCH AND/OR FLOOR APPLICATION



NEW POSITION
(Pict. B)

Installation is a very important operation for the safe use of the hose reel, thus we recommend following the installation procedure included in the instruction manual.



MANUAL

The manual hose reels **Series 700**, is able to combine the strength of a product suitable for winding hoses up to 2" with the easiness of winding them utilizing a handle.

PAINTED
STEEL

Convenience and capacity for hoses up to 2"

In accordance with directive Atex 94/9 II 3GD e TX



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

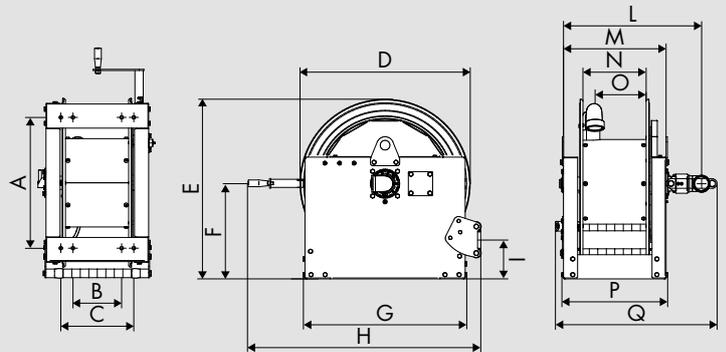
Fluid - Pressure	width 270 mm	width 410 mm	width 550 mm	width 690 mm	Connection	
					inlet	outlet
Air - Water Diesel fuel 20 bar - aluminium swivel joint - Viton® seals	721001/10	741001/10	751001/10	771001/10	F 2" G	F 2" G
Oil and similar 100 bar - galvanized steel swivel joint - Viton® seals	721001/40	741001/40	751001/40	771001/40	F 2" G	F 2" G

Note: for special fluids see the compatibility table at page 26

Hose reel capacity

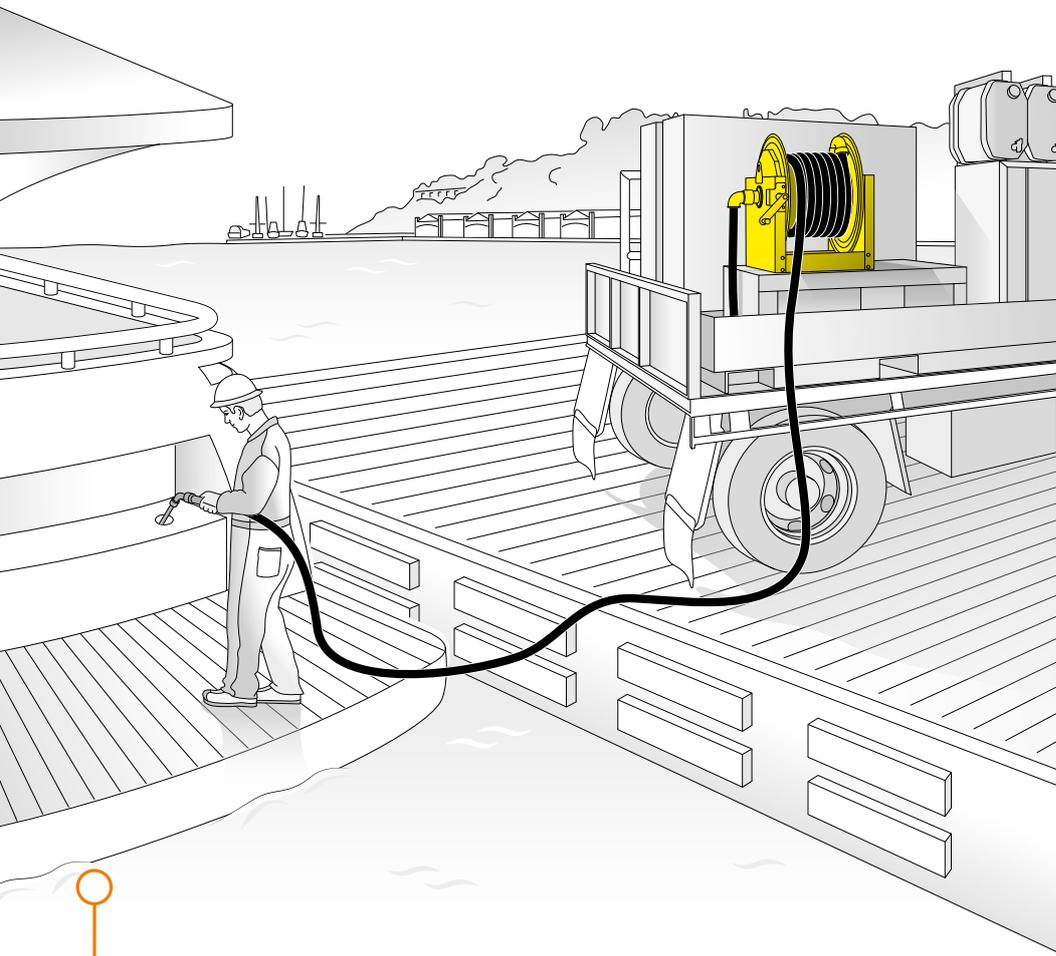
ø hose external	270 mm	410 mm	550 mm	690 mm
3/8"	17 mm	160 m	300 m	410 m
1/2"	20 mm	115 m	220 m	300 m
3/4"	27 mm	70 m	130 m	190 m
1"	34 mm	30 m	65 m	100 m
1.1/4"	42 mm	20 m	45 m	65 m
1.1/2"	50 mm	15 m	40 m	55 m
2"	63 mm	10 m	20 m	35 m

Overall dimensions (mm)

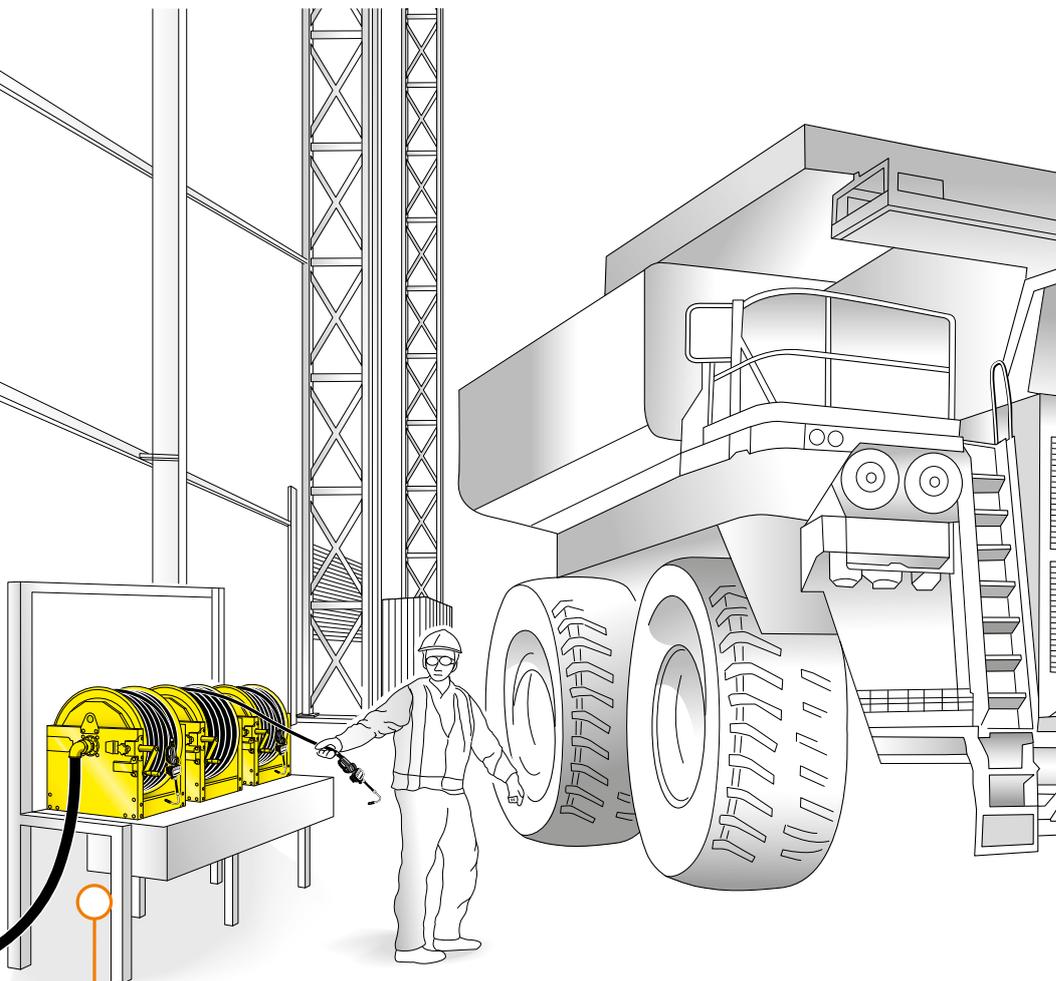


Width	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	1-m³	Kg
270 mm	542	200	300	700	760	410	672	920	160	570	422	260	210	435	640	0,53	85
410 mm	542	340	440	700	760	410	672	920	160	712	562	398	350	575	735	0,63	96
550 mm	542	480	580	700	760	410	672	920	160	850	705	538	490	717	875	0,73	103
690 mm	542	620	720	700	760	410	672	920	160	990	842	680	630	855	1060	0,82	119

Application fields



**BOATS
REFUELING**



**OIL
DISTRIBUTION**

The maximized capacity offered by the hose reels Series 700 manual makes them suitable for work applications that require expansive lengths like **boats refueling in ports or oil distribution in large construction sites.**

Furthermore, these hose reels can also be utilized in:

- heavy industry
- mine
- offshore platforms
- airports
- naval shipyards
- ...and many more

quick fit wall brackets supplied on request

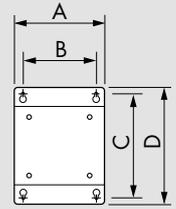


P/N 430/01



P/N 430/02

P/N 430/01	Fixed support in steel for fixed hose reels in painted steel series 430 - 4430 ABS
P/N 430/02	Fixed support in AISI 304 stainless steel for fixed hose reels in stainless steel and Aisi 304 series 430 - 4430 ABS



P/N 530/01



P/N 530/02

P/N 530/01	Fixed support in steel for fixed hose reels in painted steel series 530
P/N 530/02	Fixed support in AISI 304 stainless steel for fixed hose reels in stainless steel and Aisi 304 series 530

P/N	A	B	C	D
430/01	186	152	264	294
430/02	186	152	264	294
530/01	203	160	302	338
530/02	203	160	302	338

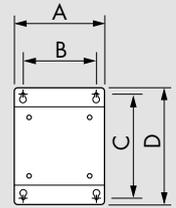


P/N 540/01



P/N 540/02

P/N 540/01	Fixed support in steel for fixed hose reels in painted steel series 540
P/N 540/02	Fixed support in AISI 304 stainless steel for fixed hose reels in stainless steel and Aisi 304 series 540



P/N 560/01



P/N 560/02

P/N 560/01	Fixed support in steel for fixed hose reels in painted steel series 560
P/N 560/02	Fixed support in AISI 304 stainless steel for fixed hose reels in stainless steel and Aisi 304 series 560

P/N	A	B	C	D
540/01	300	220	300	340
540/02	300	220	300	340
560/01	488	399	313	347
560/02	488	399	313	347

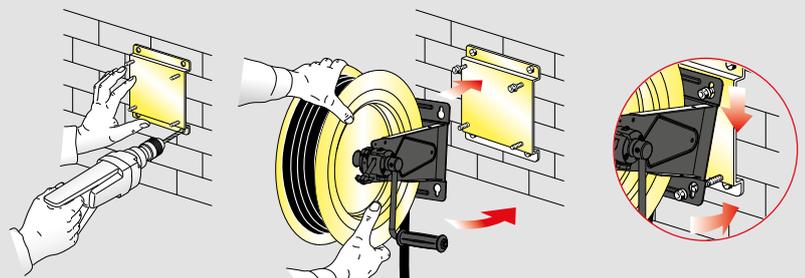


P/N 430/08	Latch mechanism protective cover rack side for hose reels series 430
P/N 530/08	Latch mechanism protective cover rack side for hose reels series 530 - 540 - 560



P/N 0E74301	AISI 304 stainless steel rotation lock for painted steel hose reel and AISI 304 stainless steel series 430 - 4430 ABS - 530 - 540 - 560
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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.



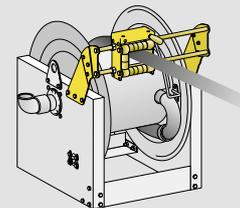
on request



Manual operation hose guide, high

P/N OE77/22775B	for width 270 mm
P/N OE77/24175B	for width 410 mm
P/N OE77/25575B	for width 550 mm
P/N OE77/26975B	for width 690 mm

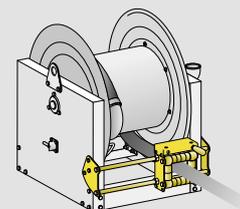
Using the special knob, the operator shifts the hose to the right or left to ensure its correct rewinding.



Manual operation hose guide, low

P/N OE77/22775	for width 270 mm
P/N OE77/24175	for width 410 mm
P/N OE77/25575	for width 550 mm
P/N OE77/26975	for width 690 mm

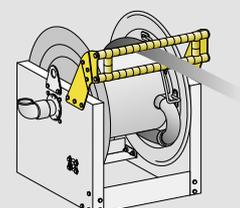
Using the special knob, the operator shifts the hose to the right or left to ensure its correct rewinding.



Hose guide standard closed, high

P/N OE77/12775B	for width 270 mm
P/N OE77/14175B	for width 410 mm
P/N OE77/15575B	for width 550 mm
P/N OE77/16975B	for width 690 mm

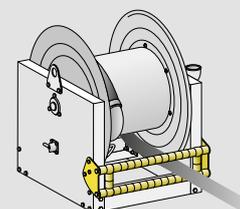
Hose guide with rollers that ensure easy sliding of the hose during unwinding and rewinding.



Hose guide standard closed, low

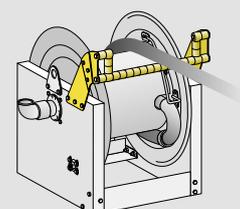
P/N OE77/12775	for width 270 mm
P/N OE77/14175	for width 410 mm
P/N OE77/15575	for width 550 mm
P/N OE77/16975	for width 690 mm

Hose guide with rollers that ensure easy sliding of the hose during unwinding and rewinding.



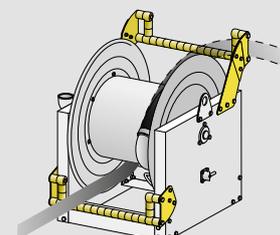
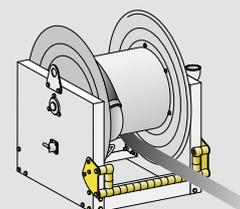
Hose guide standard open, high

P/N OE77/32775B	for width 270 mm
P/N OE77/34175B	for width 410 mm
P/N OE77/35575B	for width 550 mm
P/N OE77/36975B	for width 690 mm



Hose guide standard open, low

P/N OE77/32775	for width 270 mm
P/N OE77/34175	for width 410 mm
P/N OE77/35575	for width 550 mm
P/N OE77/36975	for width 690 mm



Hose guide, standard open high or low.

This type of hose guide enables fitting of both versions (high and low) on the same hose reel, allowing hose unwinding in two opposite directions.

The information given in the following tables was obtained from various sources which, for competence and technical knowledge, we deem reliable. These data is not the result of tests carried out by us, but should be regarded only as a guide to be used for determining the suitability of the various pump parts in contact with the fluid.

ECODORA declines all liability for any inaccuracies contained in the following tables due to printing, transcription or appraisal errors and, in case of no previous experience confirming suitability, recommends the practical testing of the materials that will come into contact with the fluids to be pumped.

Fluids	Materials							
	Galvanized steel	AISI 304 stainless steel	AISI 316 stainless steel	Brass	Polyurethane	Viton®	Teflon®	NBR
Acetate solvent	-	A	A	-	D	D	A	D
Acetic acid	A	A	A	D	C	C	A	C
Acetic acid, glacial	A	A	-	D	C	D	A	D
Acetone	A	A	A	D	D	D	A	D
Acetyl chloride (dry)	-	B	B	B	D	B	A	D
Acetylene	A	A	A	-	D	A	A	A
Adipic acid	-	B	B	-	-	A	A	B
Alcohols: ethyl	A	A	A	B	D	A	A	A
Alcohols: methyl	A	A	A	-	D	D	A	A
Ammonia (10%)	-	-	A	D	D	D	A	A
Ammonia, anhydrous	-	-	A2	D	D	D	A	B
Ammonia, liquid	-	-	A2	D	B	D	A	B
Ammonium bifluoride	-	-	A	-	-	A	A	A
Ammonium carbonate	B	B	A	-	-	B	A	D
Ammonium chloride	D	C	C	D	A	A	A	A
Ammonium hyposulfite	-	A	A	D	-	-	A	A
Ammonium nitrate	D	A	A	-	D	-	-	A
Ammonium oxalate	A	A	A	-	-	-	A	A
Ammonium persulfate	A	A	A	-	D	A	A	D
Ammonium phosphate dibasic	-	-	A	D	-	A	A	A
Ammonium phosphate monobasic	A	-	A	D	-	A	A	A
Ammonium phosphate tribasic	A	-	A	D	-	A	A	A

A ▶ excellent compatibility **C** ▶ poor compatibility, not recommended **1** ▶ satisfactory up to 22°C - ▶ not available
B ▶ good compatibility **D** ▶ no compatibility, not recommended **2** ▶ satisfactory up to 48°C

Chemical compatibility

Fluids	Materials							
	Galvanized steel	AISI 304 stainless steel	AISI 316 stainless steel	Brass	Polyurethane	Viton®	Teflon®	NBR
Ammonium sulfate	C	A	A	D	A	D	A	A
Animal oil	-	-	A	A	-	A	A	A
Antifreeze	A	A	A	A	-	A	A	A
Aqua regia (80% hci, 20% hno3)	-	-	D	-	D	C	A	D
Aromatic hydrocarbons	-	A	A	-	D	A	A	D
Arsenic acid	D	A	A	D	C	A	A	A
Benzene	D	A	A	A	D	A	A	D
Benzoic acid	-	B	A	B	D	A	A	D
Bitume	D	-	A	-	D	A	A	D
Bleach	D	A	B	D	D	A	A	D
Bleach solution	-	-	-	-	-	A	A	D
Boric acid	-	A	A	D	A	A	A	A
Brake fluid	A	A	A	A	D	D	A	D
Bromidic acid 100%	D	D	D	D	D	-	A	D
Butane	-	A	A2	-	A	A	A	A
Butanol	-	A	A1	-	D	A	A2	A
Butyric acid	-	B	A	-	-	-	A	D
Calcium bisulfide	-	B	B	-	A	A	-	A
Calcium carbonate	-	A	A	D	-	A	A	A
Calcium chloride	-	C	C	D	A	A	A	A
Calcium hydroxide	-	A	A	C	A	A	A	A
Calcium hypochlorite	-	A	A	C	D	A	A	B
Calcium nitrate	-	B	B	-	A	A	A	A
Calcium sulfate	-	A	A	-	-	A	A	A
Carbolic acid (phenol)	-	A	A	C	C	A	A	D
Carbonic acid	-	B	B	C	A	A	A	B
Chlorine (anhydrous liquid)	-	D	B	-	-	A	A	D
Chlorine (dry)	-	D	D	-	D	A	A	C
Chloroacetic acid	-	-	-	-	-	D	-	-
Chlorobenzene	C	B	A	B	D	A	A	D
Chlorobromomethane	-	B	B	-	D	A	A	D

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B ▶ good compatibility **D** ▶ no compatibility, not recommended **2** ▶ satisfactory up to 48°C

Fluids	Materials							
	Galvanized steel	AISI 304 stainless steel	AISI 316 stainless steel	Brass	Polyurethane	Viton®	Teflon®	NBR
Chlorosulfonic acid	D	D	D	D	D	D	A	D
Chromic acid 5%	-	A	A	A	D	A	A	D
Chromic acid 50%	-	B	B	D	D	A	A	D
Citric acid	D	A	A2	D	A	A	A	A
Copper chloride	-	D	D	D	A	A	A	A
Copper nitrate	-	A	A	-	-	A	A	A
Cresylic acid	-	A	A	-	D	A	A	D
Deionized water	-	-	A2	-	-	A1	A2	A1
Diesel fuel	A	A	A	A	B	A	A	A
Dyes	-	-	A	-	-	A	-	-
Engine oil	A	A	A2	A	A	A	A	A
Ethyl acetate	C	A	A	A	D	D	A	D
Ethyl chloride	D	A	A	-	C	A	A	A
Ethyl sulfate	-	D	D	-	-	A	A	A
Fatty acids	-	-	A	-	-	A	A	B
Ferric chloride	-	D	D	D	D	A	A	B
Ferrous chloride	-	D	D	D	D	A	A	A
Fluoboric acid	-	B	B	D	-	A	A	B
Fluosilicic acid	-	B	B	D	B	A	A	A
Fluosilicidric acid 20%	-	D	D	D	B	A	A	B
Formic acid	D	A	A	D	D	B	A	D
Freon 113	-	A	A	-	B	C	A	A
Freon 12	-	A	A	A	A	A	A	A
Freon 22	-	A	A	-	D	D	A	D
Freon ff	-	A	A	-	A	-	A	A
Fresh water	D	A	A	B	A	B	A	A
Fuel oil	-	-	A	B	B	A	A	A
Gallic acid	D	B	B	-	D	A	A	D
Gasoline (high-aromatic)	A	A	A	A	D	A	A	C
Gasoline, leaded	A	A	A2	A	C	A	A	A2
Gasoline, unleaded	A	A	A2	A	D	A	A	A

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Chemical compatibility

Fluids	Materials							
	Galvanized steel	AISI 304 stainless steel	AISI 316 stainless steel	Brass	Polyurethane	Viton®	Teflon®	NBR
Glue (p.V.A.)	A	A	A2	-	A	A	A	D
Glycerin	-	A	A	A	A	A	A	A
Glycolic acid	-	-	-	-	-	A	A	A
Grease	A	A	A	A	A	A	A	A
Hydraulic oil (petro)	A	A	A	A	A	A	A	A
Hydraulic oil (synthetic)	A	A	A	A	-	A	A	C
Hydrchloric acid (20%)	-	D	D	D	B	A	A	C
Hydrchloric Acid (37% cold)	-	D	D	D	C	A	A	C
Hydrchloric acid (37% - hot)	-	D	D	D	C	A	A	D
Hydrocyanic acid	-	A	A	-	-	D	A	C
Hydrofluoric acid (concentrated)	-	D	D	D	D	A	A	D
Hydrofluoric acid 20%	-	D	D	D	-	A	A	D
Hydrofluoric acid 50%	-	D	D	D	D	A	A	D
Hydrofluoric acid 75%	-	D	D	D	-	A	A	D
Hydrogen (gas)	-	-	A	D	A	A	A	A
Hydrogen peroxide	D	A	A	D	C	A	A	B
Hydroxyacetic acid 70%	-	B	-	-	-	A	A	A
Ink	-	A	A	-	-	A	-	A
Isooctane	-	A	-	A	-	A	-	A
Jet fuel	A	A	A	A	C	A	A	A
Kerosene	A	A	A	A	C	A	A	A
Lactic acid	D	A	A	B	-	A	A	B
Latex	-	A	A2	-	-	A	A	A
Lime	-	-	A	-	-	A	A1	A
Linoleic acid	-	A	A	-	-	A	A	B
Magneium nitrate	-	A	A	-	-	A	A	A
Magnesium carbonate	-	A	A	-	-	-	A	A
Magnesium chloride	C	D	D	-	A	A	A	A
Magnesium hydroxide	B	A	A	B	A	A	A	B
Magnesium oxide	-	A	A	-	-	A	A	A
Magnesium sulfate	B	A	A	-	-	A	A	A

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B ▶ good compatibility **D** ▶ no compatibility, not recommended **2** ▶ satisfactory up to 48°C

Fluids	Materials							
	Galvanized steel	AISI 304 stainless steel	AISI 316 stainless steel	Brass	Polyurethane	Viton®	Teflon®	NBR
Maleic acid	B	A	A	D	-	A	A	D
Malic acid	-	A	A	D	-	A	A	B
Mercury	-	A	A	D	A	A	A	A
Mercury chloride (dilute)	-	-	D	D	-	A	A	A
Mercury cyanide	-	B	A	D	-	A1	A	A
Methane	A	A	A	B	B	A	A	A
Methanol	-	A	A	B	D	C	A	A
Methyl acetone	A	A	A	-	D	D	A	D
Methyl acrylate	-	A	-	B	-	D	A	D
Methyl bromide	-	A	-	-	-	A	A	B
Methyl chloride	-	A	A	-	D	A	A	D
Methyl dichloride	-	-	-	-	D	A	A	D
Methyl ethyl ketone	-	A	A	-	D	D	A	D
Methyl methacrylate	-	A	-	-	-	D	A	D
Mine ragia water	-	-	A	A	-	A	A	A
Mine water	D	A	B	B	A	A	A	A
Naphta	-	-	A	B	C	A	A	B
Naphtalene	-	-	B	B	B	A	A	D
Nitric acid (20%)	D	A	A	D	C	A	A	D
Nitric acid (50%)	D	A	A	D	C	A	A	D
Nitric acid (5-10%)	D	A	A	D	C	A	A	D
Nitric acid (concentrated)	D	A	A	D	D	A	A	D
Oils: diesel fuel (20,30,40,50)	-	-	A	B	-	A	A	A
Oils: fuel (1,2,3,4,5,6)	-	-	A	B	-	B	A	B
Oils: mineral	A	A	A	A	A	A	A	A
Oils: transformer	A	A	A	-	-	A	A	A
Oils: turbine	A	A	A	-	B	B	A	B
Oleic acid	C	A	A	-	B	B	A	B
Paint thinner	-	-	-	-	-	B1	A2	B
Palmitic acid	-	A	A	D	A	A	A	A
Perchloric acid	-	-	D	-	D	A	A	D

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B ▶ good compatibility **D** ▶ no compatibility, not recommended **2** ▶ satisfactory up to 48°C

Chemical compatibility

Fluids	Materials							
	Galvanized steel	AISI 304 stainless steel	AISI 316 stainless steel	Brass	Polyurethane	Viton®	Teflon®	NBR
Petroleum	-	A	A	A	-	A2	A2	A2
Petroleum jelly	-	A	A	-	-	A	C	A
Phosphoric acid (<40%)	-	B	A	D	B	A	A	D
Phosphoric acid (>40%)	-	B	B	D	C	A	A	D
Picric acid	-	D	D	D	B	A	A	B
Potassium bicarbonate	-	B	B	-	-	A	A	A
Potassium bromide	D	A	A	-	-	A	A	A
Potassium chlorate	-	A	A	-	-	A	A	A
Potassium chloride	B	C	C	D	A	A	A	A
Potassium chromate	-	B	B	-	-	A	A	A
Potassium cyanide solutions	B	A	A	D	A	A	A	A
Potassium dichromate	C	A	-	D	-	-	-	-
Potassium hydroxide (caustic potash)	-	A	A	-	B	D	A	B
Potassium nitrate	-	B	A	B	A	A	A	A
Potassium permanganate	-	B	B	-	-	A	A	A
Potassium sulfate	B	B	B	B	A	A	A	A
Propane (liquefied)	-	A	A	A	B	A	A	A
Pyrogalllic acid	-	A	A	-	-	A	A	D
Rosin	D	A	A1	-	-	A	A	A2
Rust inhibitors	-	-	A	-	-	A	-	A
Salt water	-	C	C	A	A	A	A	A
Sea water	-	C	C	A	A	A	A	A2
Sewage (black water)	D	A	A	-	D	A	A	A
Shellac (bleached)	-	A	A	-	-	-	-	A
Shellac (orange)	-	-	A	-	-	-	-	A
Silicone	-	-	A	-	-	A	A	A
Soap solutions	-	A	A1	A	A	A	A	A
Soda ash (sodium carbonate)	-	-	A	D	-	A	A	A1
Sodium aluminate	C	A	A	-	-	A	A	A
Sodium bicarbonate	C	A	A	-	-	A	A	A
Sodium bisulfate	D	A	A	-	-	A	A	A

A ▶ excellent compatibility **C** ▶ poor compatibility, not recommended **1** ▶ satisfactory up to 22°C - ▶ not available
B ▶ good compatibility **D** ▶ no compatibility, not recommended **2** ▶ satisfactory up to 48°C

Fluids	Materials							
	Galvanized steel	AISI 304 stainless steel	AISI 316 stainless steel	Brass	Polyurethane	Viton®	Teflon®	NBR
Sodium bisulfite	-	A	A	-	-	A	A	A
Sodium carbonate	B	A	A	B	-	A	A	A
Sodium chlorate	C	A	A	-	-	A	A	A
Sodium chloride	C	C	C	D	A	A	A	A
Sodium chromate	B	A	-	B	-	A	A	A
Sodium cyanide	B	A	A	D	-	A	A	A
Sodium hydroxide (20%)	-	A	A	-	B	A	A	A
Sodium hydroxide (50%)	-	B	B	-	B	A	A	D
Sodium hydroxide (80%)	-	D	D	-	B	B	A	D
Sodium hypochlorite (<20%)	-	C	C	D	D	A	A	D
Sodium metasilicate	C	A	A	-	-	A	A	A
Sodium nitrate	B	A	A	-	-	A	A	C
Sodium perborate	B	C	C	-	-	A	A	B
Sodium peroxide	C	B	A	D	D	A	A	C
Sodium silicate	B	B	A	-	-	A	A	A
Sodium sulfate	B	A	A	-	A	A	A	A
Sodium sulfide	B	A	A	D	A	A	A	A
Sodium tetraborate	-	A	A	-	-	A	A	A
Sodium thiosulfate	-	A	A	-	A	A	A	B
Stannic chloride	D	D	D	D	B	A	A	A
Starch	-	A	A	-	A	A	A	A
Stoddard solvent	A	A	A	A	A	A	A	B
Sulfuric acid (<10%)	-	C	C	D	D	A	A	D
Sulfuric acid (10-75%)	-	C	C	D	D	A	A	D
Sulfuric acid (75-100%)	-	C	B	D	D	A	A	D
Sulfurous acid	D	B	B	D	D	D	A	D
Tannic acid	C	A	A	B	A	A	A	A
Tartaric acid	D	A	A	B	A	A	A	A
Toluene	A	A	A	A	C	A	A	D
Trichloroacetic acid	-	D	D	-	D	B	A	C
Turpentine	B	A	A	B	D	A	A	A

A ▶ excellent compatibility **C** ▶ poor compatibility, not recommended **1** ▶ satisfactory up to 22°C - ▶ not available
B ▶ good compatibility **D** ▶ no compatibility, not recommended **2** ▶ satisfactory up to 48°C

Chemical compatibility

Fluids	Materials							
	Galvanized steel	AISI 304 stainless steel	AISI 316 stainless steel	Brass	Polyurethane	Viton®	Teflon®	NBR
Urea	-	B	B	-	-	A	A	B
Urine	-	-	-	-	-	A1	A1	A1
Varnish	-	A	A	A	D	D	A	D
Varnish	-	A	A	A	-	A	A	B
Varnish (xylene based)	A	A	A	A	D	D	A	D
Varnish diluted	-	A	A	A	D	B	A	A
Varnish solvent	-	-	A	-	D	B	A	D
Water, chlorine	-	-	C	-	-	A	A	D
Weed killers	-	-	A	-	-	A	-	A

A ▶ excellent compatibility **C** ▶ poor compatibility, not recommended **1** ▶ satisfactory up to 22°C - ▶ not available
B ▶ good compatibility **D** ▶ no compatibility, not recommended **2** ▶ satisfactory up to 48°C

Applications with special fluids

Kind of fluid	Kind of hose reel
Antifreeze	Hose reel air-water 20 bar
Windshield washing liquid	Hose reel air-water 20 bar
Nitrogen	(At room temperature) for tyre inflation, industrial application, hose reel air-water 20 bar
Argon	Hoses with EN559 certification
Propane	Hoses with EN559 certification
Natural gas	Hoses with EN559 certification
Oxygen	Swivel joint with special grease not flammable (special hose for oxygen), ask our technical department for more information
Skydrol	EPDM seals needed and stainless steel passages, ask our technical department for more information

General sales conditions

For foreign markets

The following general sales conditions regulate the sale of goods and services by the company ECODORA S.r.l. for customers residing outside the territory of the Italian State.

Art. 1 GOODS DELIVERY TERMS

The goods are delivered ex works ECODORA S.r.l.

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 ECODORA S.r.l., 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 (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 ECODORA S.r.l. 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 of the goods. Any defects in the product noticeable only during its use must be notified in writing to ECODORA S.r.l. within 8 (eight) days of being detected. Any returns of goods must be authorized in advance by ECODORA S.r.l. 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 ECODORA S.r.l..

ECODORA S.r.l. 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

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 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 ECODORA S.r.l.

Art. 8 PAYMENTS

Payments must be made exclusively to ECODORA S.r.l. at the agreed conditions. Under no circumstances will deductions or roundings be accepted. In case of late payment with respect to the agreed conditions, ECODORA S.r.l. 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

ECODORA S.r.l. 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 ECODORA S.r.l. are guaranteed for a period of 5 (five) 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 ECODORA S.r.l. (marked with an asterisk in the current product catalogue) which are guaranteed for 1(one) year.

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.

Art. 10 RESPONSIBILITY

ECODORA S.r.l. 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 ECODORA S.r.l. as given in the installation, use and maintenance instruction manuals for each product.

ECODORA S.r.l. 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.





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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 price list is forbidden.



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