



CE Made in Italy



HOSE REELS CATALOGUE
TECHNOLOGY FOR FLUIDYNAMICS
No. E14/A3

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

- HOSE REELS CATALOGUE No. E14/A1
 - HOSE REELS CATALOGUE No. E14/A2
 - OIL CATALOGUE No. E14/LO
 - GREASE CATALOGUE No. E14/LG
 - DIAPHRAGM PUMPS CATALOGUE No. 2013/M
 - DIGITAL METER AND PULSER
 - FLUID CONTROL SYSTEM
-



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 hose reels designed to meet all the needs of our clients, even the most specific.

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

The research and development as a flagship of our company to always offer cutting-edge solutions.

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.

www.ecodora.com
info@ecodora.com

CE Made in Italy

Ecodora presents its wide range of hose reels for fluids

In this catalog we are glad to introduce our range of hose reel with manual rewinding or motor operated rewinding: hydraulic, pneumatic or electric motor. Spring rewinding hose reels are described in dedicated catalog (see page 2).

Sturdy and compact, **Ecodora** hose reels allow **to manage** any kind of flexible hoses in a practical and safest way for transferring every type of fluids.

When in use, hose reels allow **to unwind** quickly and easily only the desired length of hose. After use, the unwound hose can be **re-wound** immediately by keeping an orderly workplace free of hindrances, thus improving functionality and safety, and **safeguarding** hoses against wear and breakage too.



aviation



agriculture



building



foundries



armed forces



marine

Hose Reels Applications

Ecodora's hose reels are versatile and suitable to heavy duty applications like: heavy industry, agriculture, mining, shipyard, building construction, offshore platform and many others. They allow to transfer many different kind of fluids like: **air, water, oil, antifreeze, grease, fuel, waste oil, dirty water etc.**



mining



woodworking



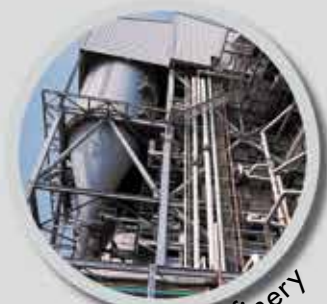
general industries



food industries



service stations



oil-refinery



HOSE REEL SERIES 500 MANUAL

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HOSE REEL SERIES 600 HYDRAULIC AND PNEUMATIC

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HOSE REEL SERIES 700 MANUAL

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HOSE REEL SERIES 700 ELECTRIC 24V

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ACCESSORIES

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OTHERS FLUIDS - COMPATIBILITY TABLE

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Series



500
manual



600
powered



700
manual



700
electric 24V



700
electric 230V



700
hydraulic



700
pneumatic



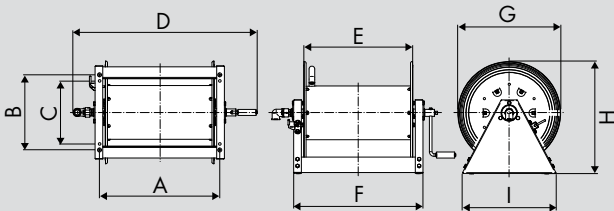
Manual rewinding hose reels are an easy and practical way to manage flexible hoses. Made with high quality materials with a robust frame, manual rewinding hose reels are an inexpensive alternative to spring rewinding hose reels particularly for very long hoses.

Fluid - Pressure Part in contact with the fluid	Width 240 mm	Width 320 mm	Width 460 mm	Width 600 mm	Connection	
					Inlet	Outlet
Air - Water 20 bar - "brass" swivel joint - "viton" seals - central shaft "galvanized steel"	OE7522001/100	OE7532001/100	OE7552001/100	OE7562001/100	F 1"G	F 1"G
	OE7522001/150	OE7532001/150	OE7552001/150	OE7562001/150	F 1/2"G	F 1/2"G
Water max 130°C 100 bar - "s. steel AISI 304" swivel joint - "viton" seals - central shaft "galvanized steel"	OE7522001/200	OE7532001/200	OE7552001/200	OE7562001/200	F 1"G	F 1"G
	OE7522001/250	OE7532001/250	OE7552001/250	OE7562001/250	F 1/2"G	F 1/2"G
Water max 130°C 200 bar - "s. steel AISI 304" swivel joint - "viton" seals - central shaft "galvanized steel"	OE7522001/300	OE7532001/300	OE7552001/300	OE7562001/300	F 3/8"G	F 1/2"G
	OE7522001/400	OE7532001/400	OE7552001/400	OE7562001/400	F 1"G	F 1"G
Oil and similar 150 bar - "galvanized steel" swivel joint - "PU" seals - central shaft "galvanized steel"	OE7522001/450	OE7532001/450	OE7552001/450	OE7562001/450	F 1/2"G	F 1/2"G
	OE7522001/100	OE7532001/100	OE7552001/100	OE7562001/100	F 1"G	F 1"G

Hose length and diameter

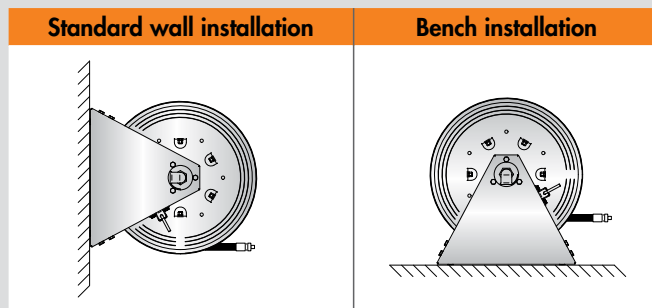
Hose diameter	L240	L320	L460	L600
ø 3/8"	length max. 50 m	length max. 80 m	length max. 120 m	length max. 160 m
ø 1/2"	length max. 40 m	length max. 70 m	length max. 105 m	length max. 140 m
ø 3/4"	length max. 25 m	length max. 40 m	length max. 60 m	length max. 80 m
ø 1"	length max. 20 m	length max. 30 m	length max. 45 m	length max. 60 m

Overall dimensions (mm)

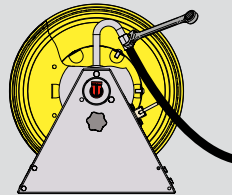


Width	A	B	C	D	E	F	G	H	I	1-m ³	Kg
L240	297	373	313	631	242	342	510	555	468	0,208	25,2
L320	377	373	313	711	322	422	510	555	468	0,243	26,8
L460	517	373	313	851	462	562	510	555	468	0,304	29,3
L600	657	373	313	991	602	702	510	555	468	0,365	31,9

Hose reel installation



Hose reel outlet hose connection



Series	Inlet	Outlet
500 connection 1/2"	F 1/2" F 3/8"	F 1/2"
500 connection 1"	F 1"	F 1"

Technical characteristics

Self-aligning bearings to reduce friction with central shaft facilitating the rotation of the spool.

Hand lever for hose manual rewinding.

The **clutch POM** is indispensable for regulating the hose unwinding speed and preventing the drum from turning empty due to inertia.

The **hose guide roller** reduce friction and facilitate hose unwinding and rewinding.

Knob for clutch regulation.

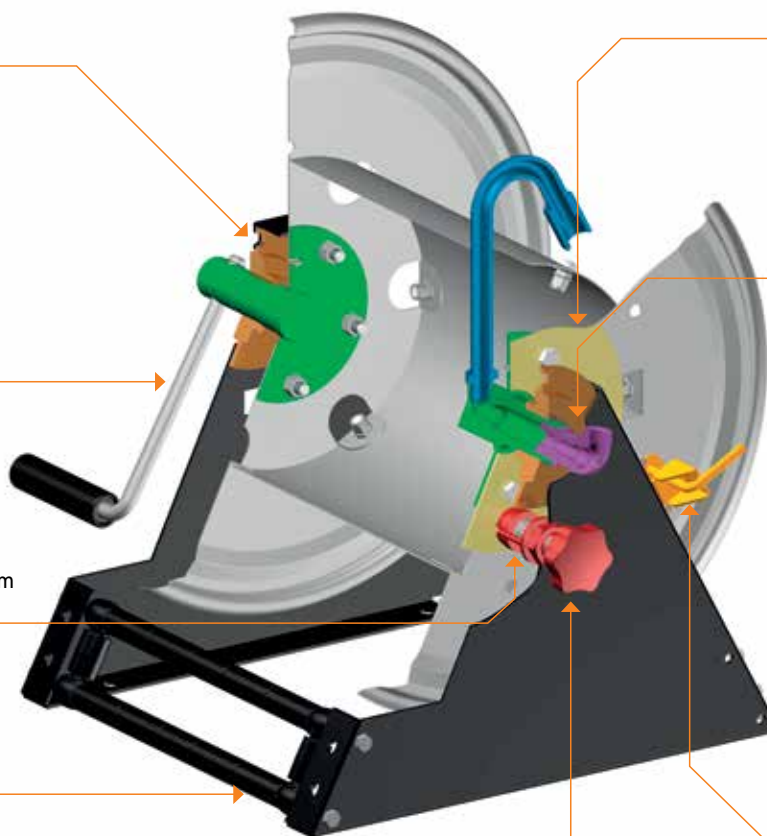
The **clutch** work on a stainless steel disc.

Swivel joint with ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in aluminum or galvanize steel, with seals in Viton.

Painted steel drum available in 4 different size.

The **painting** is highly resistant to atmospheric agents and impacts. The painted products undergo "saline mist resistance" corrosion testing according to UNI 9227 standards.

Manual stop preventing drum movement.



Series



500
manual



600
powered



700
manual



700
electric 24V



700
electric 230V



700
hydraulic



700
pneumatic



S. 617



S. 637

Resistant with the corrosion: all the components are painted (painting with epoxy powder coating, thickness min. 80µ), or finished with a galvanic treatment, ideal to work externally. Hose unwinding must be done manually by the operator, while hose rewinding is done by the hydraulic motor. A special device works as brake/clutch to regulate the speed of hose unwinding and rewinding.

Fluid - Pressure Part in contact with the fluid	S. 617 P/N	Connection		S. 637 P/N	Connection	
		Inlet	Outlet		Inlet	Outlet
Air - Water 20 bar - brass swivel joint - "viton" seals - central shaft "galvanized steel"	617/100	F 1" G	F 1" G	637/100	F 1" G	F 1" G
Water max 130°C 100 bar - "s. steel AISI 304" swivel joint - "viton" seals - central shaft "galvanized steel"	617/200	F 1" G	F 1" G	637/200	F 1" G	F 1" G
Oil and similar 150 -400 bar - "galvanized steel" swivel joint - "PU" seals - central shaft "galvanized steel"	617/400	F 1" G	F 1" G	637/400	F 1" G	F 1" G
Grease 400 bar - "galvanized steel" swivel joint - "PU" seals - central shaft "galvanized steel"	617/500	F 1" G	F 1" G	637/500	F 1" G	F 1" G
Diesel fuel 10 bar - brass swivel joint - "viton" seals - central shaft "galvanized steel"	617/600	F 1.1/2" G	F 1.1/2" G	637/600	F 1.1/2" G	F 1.1/2" G

Series 600

PNEUMATIC



S. 618



S. 638

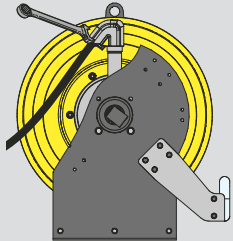
Resistant with the corrosion: all the components are painted (painting with epoxy powder coating, thickness min. 80µ), or finished with a galvanic treatment, ideal to work externally. Hose unwinding must be done manually by the operator, while hose rewinding is done by the pneumatic motor. A special device works as brake/clutch to regulate the speed of hose unwinding and rewinding.

Fluid - Pressure Part in contact with the fluid	S. 618 P/N	Connection		S. 638 P/N	Connection	
		Inlet	Outlet		Inlet	Outlet
Air - Water 20 bar - brass swivel joint - "viton" seals - central shaft "galvanized steel"	618/100	F 1" G	F 1" G	638/100	F 1" G	F 1" G
Water max 130°C 100 bar - "s. steel AISI 304" swivel joint - "viton" seals - central shaft "galvanized steel"	618/200	F 1" G	F 1" G	638/200	F 1" G	F 1" G
Oil and similar 150 -400 bar - "galvanized steel" swivel joint - "PU" seals - central shaft "galvanized steel"	618/400	F 1" G	F 1" G	638/400	F 1" G	F 1" G
Grease 400 bar - "galvanized steel" swivel joint - "PU" seals - central shaft "galvanized steel"	618/500	F 1" G	F 1" G	638/500	F 1" G	F 1" G
Diesel fuel 10 bar - brass swivel joint - "viton" seals - central shaft "galvanized steel"	618/600	F 1" G	F 1" G	638/600	F 1" G	F 1" G

Hose reel capacity

Hose external diameter	Hose reel series	
	617-618	637-638
ø 22 mm	length max. 50 m	length max. 100 m
ø 28 mm	length max. 30 m	length max. 60 m
ø 34 mm	length max. 20 m	length max. 40 m
ø 44 mm	length max. 15 m	length max. 30 m
ø 50 mm	length max. 10 m	length max. 20 m

Hose reel outlet hose connection

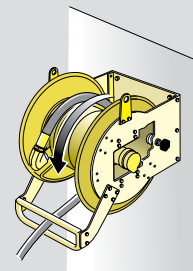
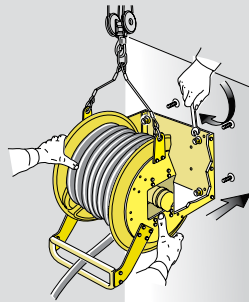
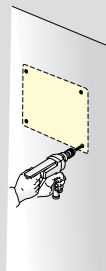


Series	Inlet	Outlet
617-618	F 1"	F 1" - 1.1/2"
637-638	F 1"	F 1" - 1.1/2"

The hose reel structure is designed also to facilitate the mounting and the disassembly of the hose.

Wall mounting

After choosing the ideal position, checking the consistency and thickness of the wall, marking the holes for the plugs (see template supplied with the hose reel) and making sure they do not interfere with hydraulic pipes or electrical wires, proceed with drilling. Fix the plugs in the wall and insert the hose reel in the special seats. Tighten the 4 fixing nuts.



Technical characteristics

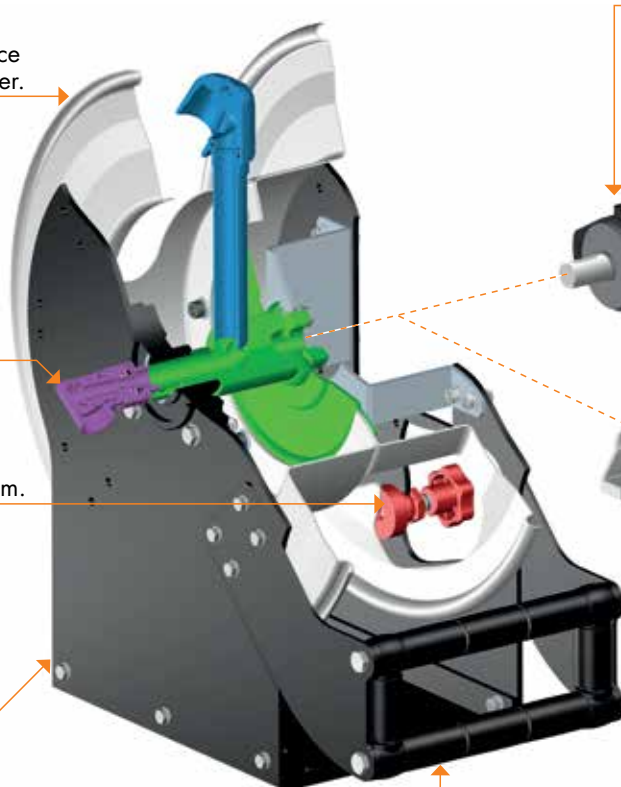
The **drum**, in painted steel or in painted steel, is sturdy and practical, with beads to reinforce the structure and rounded border.

Swivel joint with ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in brass, galvanize steel and stainless steel AISI 304, with seals in Polyurethane, Viton and Teflon.

Adjustable **brake/clutch** for correct hose unwinding and rewinding. When necessary brake may block totally the drum.

The **painting** is highly resistant to atmospheric agents and impacts. The painted products undergo "saline mist resistance" corrosion testing according to UNI 9227 standards.

Large and **multidirectional roller guide** with self lubricating hose guide rollers.



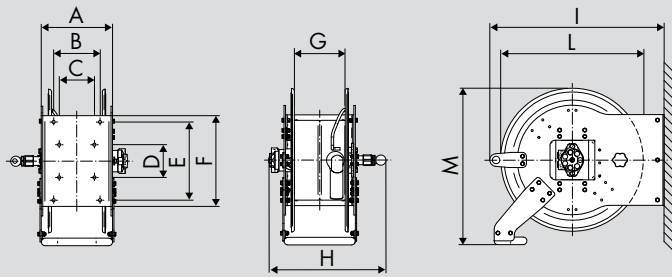
Hydraulic motor	
Max torque	190 Nm
Max Power	11 Kw
Max feeding pressure	140 bar (continuous) 175 bar (for short period)
Max oil consumption	75 l/min



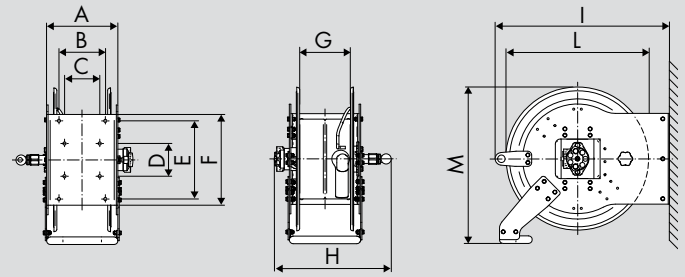
Pneumatic motor	
Variable speed	From 300 to 3000 gpm
Feeding pressure	7 bar
Max power	1.5 Kw
Max Torque	6,3 Nm
Air consumption	130 m³/h

Overall dimensions (mm)

hydraulic



pneumatic

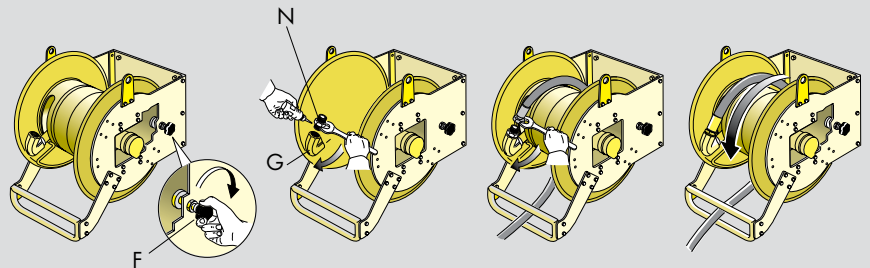


Series	A	B	C	D	E	F	G	H	I	L	M	1-m ³	Kg
617	283	185	140	130	310	360	220	463	692	570	621	0,310	da55a86
637	467	370	140	130	310	360	400	649	692	570	621	0,473	da75a137

Series	A	B	C	D	E	F	G	H	I	L	M	1-m ³	Kg
618	283	185	140	130	310	360	220	555	692	570	621	0,310	da51a82
638	467	370	140	130	310	360	400	740	692	570	621	0,473	da71a33

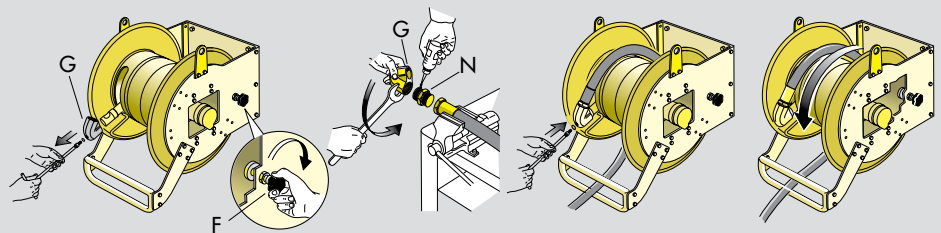
Fitting of hose on hydraulic or air motor-operated hose reels with 1" connector

Before carrying out the operation, make sure the hose reel drum is locked by means of the parking brake F. Screw one Nipple N on the outlet elbow G. Apply the hose on Nipple N.



Fitting of hose on hydraulic motor-operated hose reels with 1.1/2" connector

Before carrying out the operation, make sure the hose reel drum is locked by means of the parking brake F. Remove the outlet elbow G. Screw one Nipple N on the outlet elbow G. Screw the hose on nipple N. Hose with connections 1.1/2" must be connect directly to the elbow G. Refit the outlet elbow G with the assembled parts.



Hydraulic and air motor-operated hose reel feed

The hydraulic motor-operated hose reels are fed, by means of a control, by an electric control unit (control and control unit not supplied).

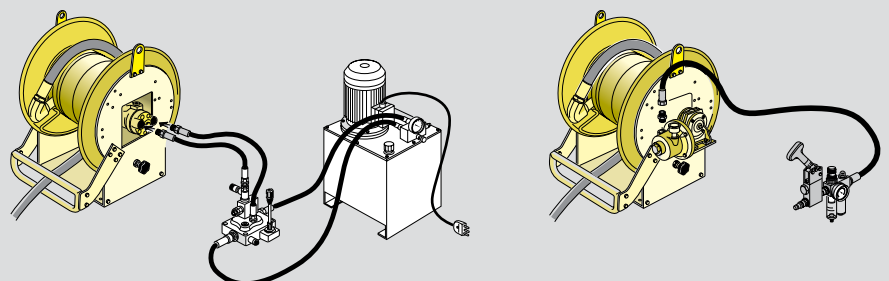
The air motor-operated hose reels are fed, by means of a control, with direct connection to the compressed air system (control not supplied).

HYDRAULIC MOTOR-OPERATED

Max torque 190 Nm, max power 11 KW,
Max feeding pressure 140 bar (continuous)
and 175 bar (for short period),
Max oil consumption 75 l/min

PNEUMATIC MOTOR-OPERATED

Variable speed from 300 to 3000 gpm,
Feeding pressure 7 bar
Max power 1.5 KW,
Max Torque 6.3 Nm,
Air consumption 130 m³/h



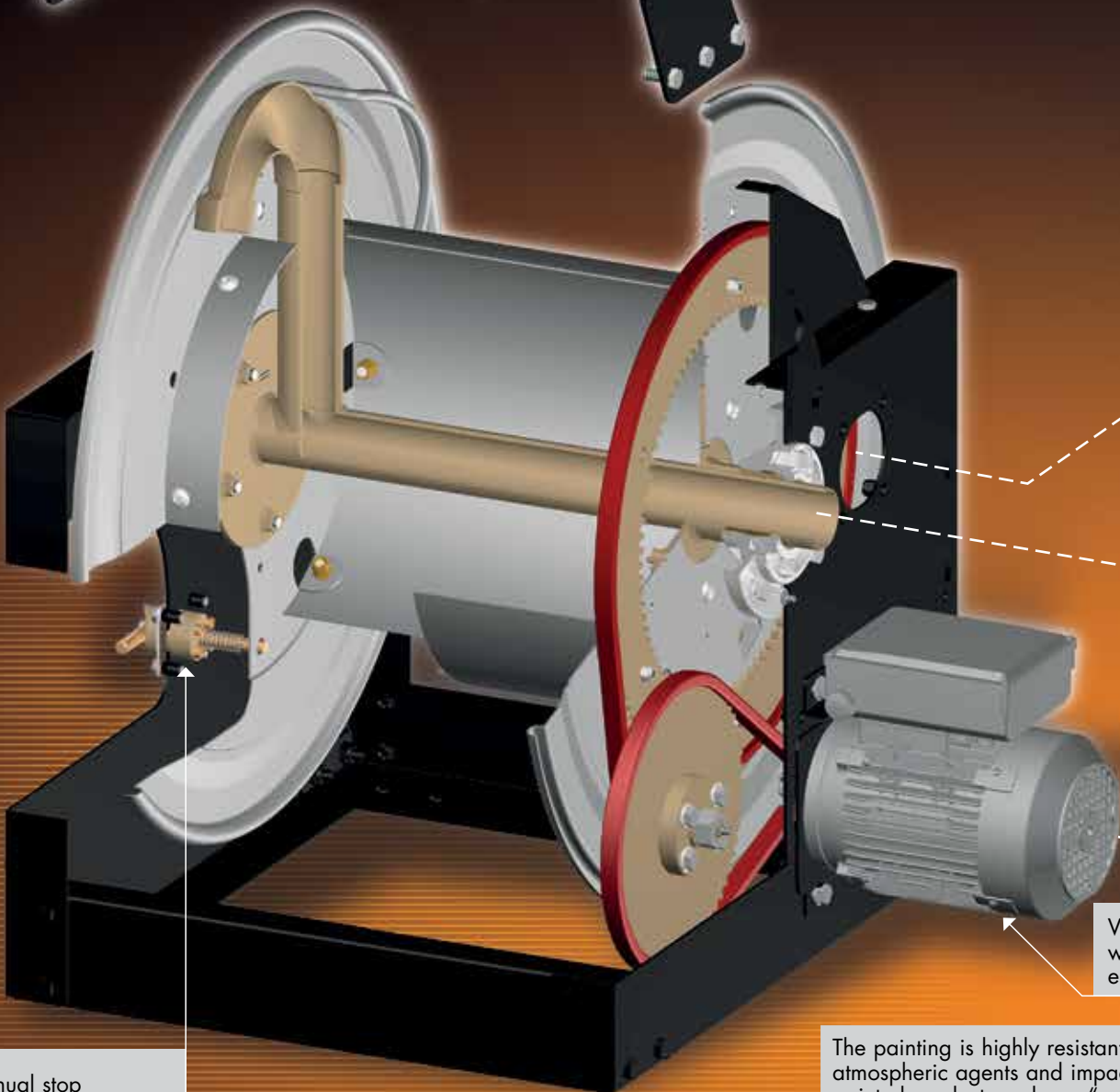
Standard open hose guide. Enables fitting of two guides in opposite directions (see figure page 26)
Available on request.



Standard closed hose guide.
Available on request.



Manual operation hose guide for optimum winding of hose.
Available on request.



Version with 230V electric motor.

Manual stop preventing drum movement.

The painting is highly resistant to atmospheric agents and impacts. The painted products undergo "saline mist resistance" corrosion testing according to UNI 9227 standards.

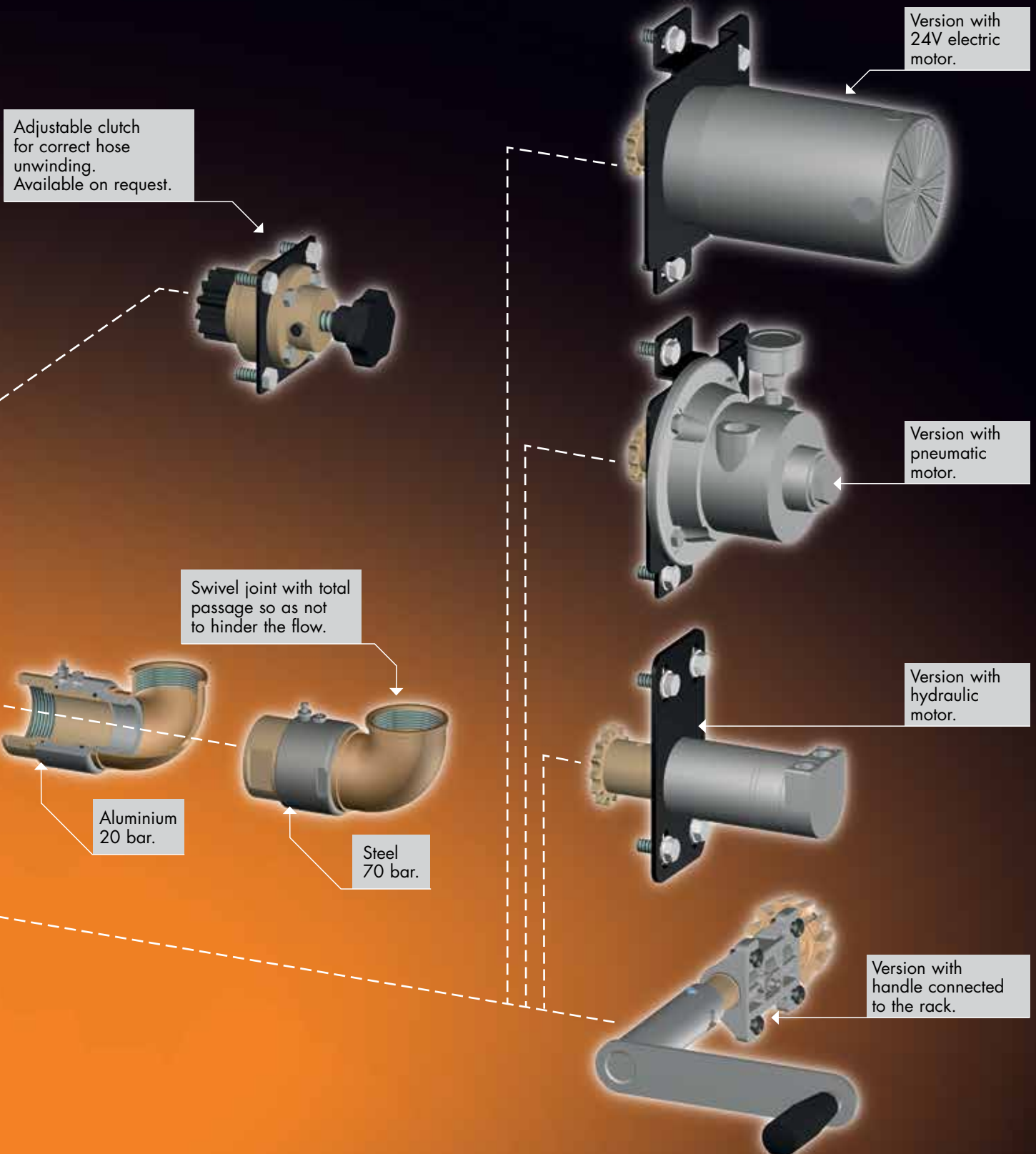
Technical characteristics

The exploded view below enables easy identification of the main parts making up the industrial hose reel, at the same time indicating the technical features.

As well as being **available with drum in 4 different widths**, the various hose reel models differ for:

- **type of motorisation** (manual, 24V electric, 230V electric, hydraulic, pneumatic)
- **2" swivel joint max. pressure** (20 bar or 70 bar)
- **type and position of hose guide** (available on request)
- **presence or not of the clutch** which regulates the hose unwinding speed.

All the models have a manual drum stop.



PAINTED STEEL

Series



500 manual



600 powered



700 manual



700 electric 24V



700 electric 230V



700 hydraulic



700 pneumatic



The manual hose reels are a handy and easy answer to the problem of hose management. Given their simple operation, they are practically maintenance free.

Fluid - Pressure Part in contact with the fluid	Width 270 mm	Width 410 mm	Width 550 mm	Width 690 mm	Connection	
					Inlet	Outlet
Air - Water - Diesel fuel 20 bar - "aluminum" swivel joint - "viton" seals - central shaft "galvanized steel"	721001/10	741001/10	751001/10	771001/10	2"	2"
Oil and similar 70 bar - "galvanized steel" swivel joint - "PU" seals - central shaft "galvanized steel"	721001/40	741001/40	751001/40	771001/40	2"	2"

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



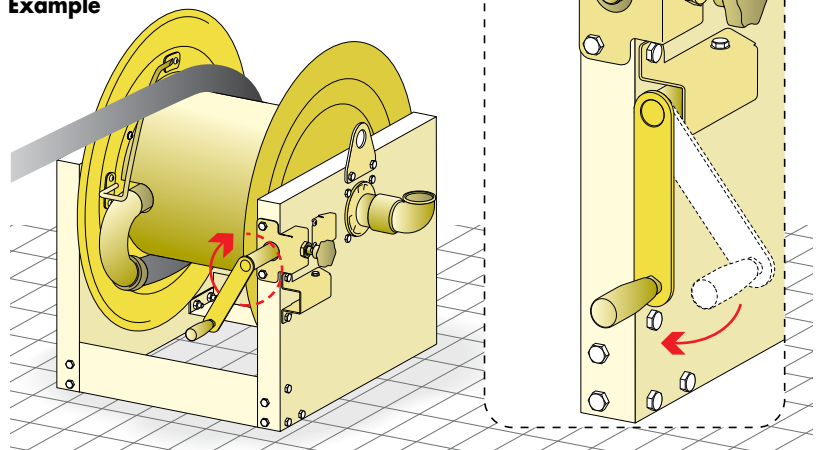
Atex 94/9 II 3GD c TX

Manual hose reel

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.

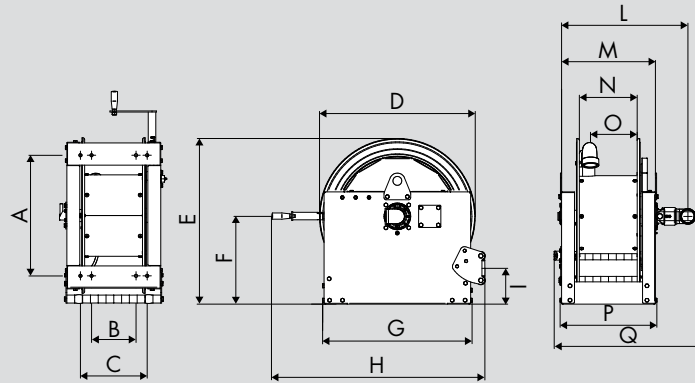
Example



Hose length and diameter

ø Hose	ø Hose external	Width 270	Width 410	Width 550	Width 690
3/8"	17	160 m	300 m	410 m	530 m
1/2"	20	115 m	220 m	300 m	410 m
3/4"	27	70 m	130 m	190 m	240 m
1"	35	30 m	65 m	100 m	130 m
1.1/4"	43	20 m	45 m	65 m	85 m
1.1/2"	50	15 m	40 m	55 m	75 m
2"	63	10 m	20 m	35 m	45 m

Overall dimensions (mm)



	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	1-m ³	Kg
L 270	542	200	300	700	760	410	672	920	160	570	422	260	210	435	640	0,53	85
L 410	542	340	440	700	760	410	672	920	160	712	562	398	350	575	735	0,63	96
L 550	542	480	580	700	760	410	672	920	160	850	705	538	490	717	875	0,73	103
L 690	542	620	720	700	760	410	672	920	160	990	842	680	630	855	1060	0,82	119

Technical characteristics

The **drum**, in painted steel or in painted steel, is sturdy and practical, with beads to reinforce the structure and rounded border. Available in 4 different sizes.

The **self-lubricating bearings** and bushes help the rotation of the spool.

Manual stop preventing drum movement.

The **painting** is highly resistant to atmospheric agents and impacts. The painted products undergo "saline mist resistance" corrosion testing according to UNI 9227 standards.

Position B

If required by hose reel use, the handle and clutch can be shifted from the standard position indicated above to the **position A-B** shown in the figure, by means of a simple operations.

Position A

Swivel joint with ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in aluminum or in galvanized steel, with seals in Viton.

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.

Standard position

PAINTED STEEL

Series



500 manual



600 powered



700 manual



700 electric 24V



700 electric 230V



700 hydraulic



700 pneumatic



The hose reels with 24V electric motor are a handy and easy answer to the problem of hose management. Hose unwinding occurs manually whereas rewinding is done with the electric motor connected to a battery or an electrical transformer.

Fluid - Pressure Part in contact with the fluid	Width 270 mm	Width 410 mm	Width 550 mm	Width 690 mm	Connection	
					Inlet	Outlet
Air - Water - Diesel fuel 20 bar - "aluminum" swivel joint - "viton" seals - central shaft "galvanized steel"	721301/10	741301/10	751301/10	771301/10	2"	2"
Oil and similar 70 bar - "galvanized steel" swivel joint - "viton" seals - central shaft "galvanized steel"	721301/40	741301/40	751301/40	771301/40	2"	2"

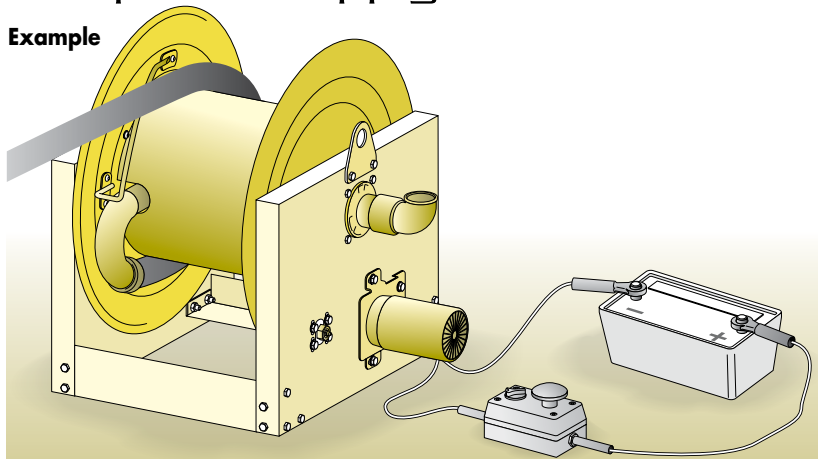
Note: all the hose reels in the table are without hose

24V electric hose reel power supply

24V DC MOTOR, 300W POWER

Example

The **24V motor** can be connected to a battery or a current transformer connected to the 230V mains. An On/Off switch must be installed between the power supply and the hose reel.

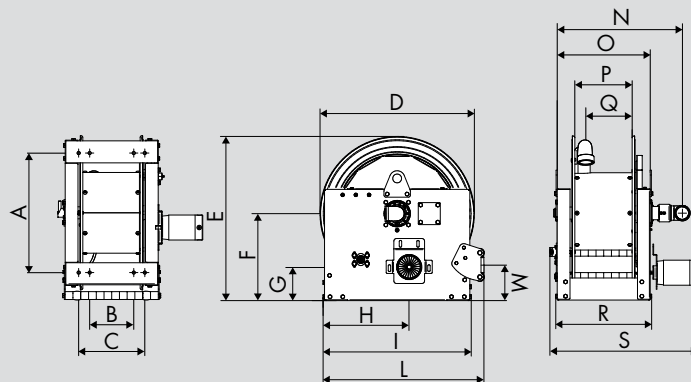


⚠ Attention: check the electrical connection for the correct direction of motor rotation.

Hose length and diameter

ø Hose	ø Hose external	Width 270	Width 410	Width 550	Width 690
3/8"	17 mm	160 m	300 m	410 m	530 m
1/2"	20 mm	115 m	220 m	300 m	410 m
3/4"	27 mm	70 m	130 m	190 m	240 m
1"	35 mm	30 m	65 m	100 m	130 m
1.1/4"	43 mm	20 m	45 m	65 m	85 m
1.1/2"	50 mm	15 m	40 m	55 m	75 m
2"	63 mm	10 m	20 m	35 m	45 m

Overall dimensions (mm)



	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m ³	Kg
L 270	542	200	300	700	760	410	150	390	670	730	160	570	422	260	210	435	630	0,53	100
L 410	542	340	440	700	760	410	150	390	670	730	160	712	562	398	350	575	770	0,63	110
L 550	542	480	580	700	760	410	150	390	670	730	160	850	705	538	490	717	915	0,73	117
L 690	542	620	720	700	760	410	150	390	670	730	160	990	842	680	630	855	1055	0,82	133

Technical characteristics

The **drum**, in painted steel or in painted steel, is sturdy and practical, with beads to reinforce the structure and rounded border. Available in 4 different sizes.

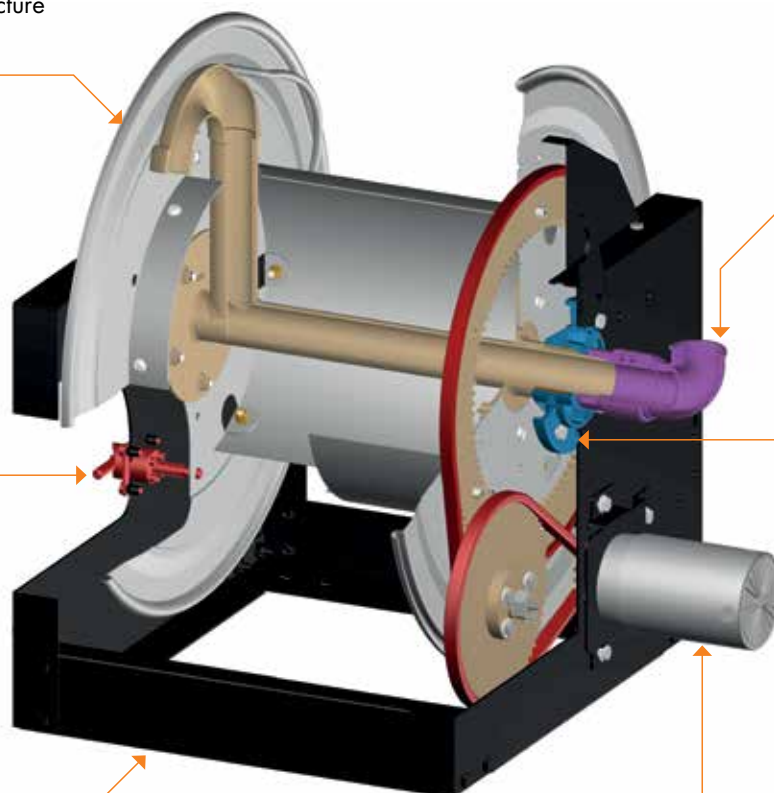
Swivel joint with ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in aluminum or in galvanize steel, with seals in Viton.

Manual stop preventing drum movement.

The **self-lubricating bearings** and bushes help the rotation of the spool.

The **painting** is highly resistant to atmospheric agents and impacts. The painted products undergo "saline mist resistance" corrosion testing according to UNI 9227 standards.

24V DC electric motor, with nominal power of 300 W.



PAINTED STEEL

Series



500 manual



600 powered



700 manual



700 electric 24V



700 electric 230V



700 hydraulic



700 pneumatic



The hose reels with 230V electric motor are a handy and easy answer to the problem of hose management. Hose unwinding occurs manually whereas rewinding is done with the electric motor appropriately connected to the 230V power supply.

Fluid - Pressure Part in contact with the fluid	Width 270 mm	Width 410 mm	Width 550 mm	Width 690 mm	Connection	
					Inlet	Outlet
Air - Water - Diesel fuel 20 bar - "aluminum" swivel joint - "viton" seals - central shaft "galvanized steel"	721601/10	741601/10	751601/10	771601/10	2"	2"
	721702/10*	741702/10*	751702/10*	771702/10*	2"	2"
Oil and similar 70 bar - "galvanized steel" swivel joint - "viton" seals - central shaft "galvanized steel"	721601/40	741601/40	751601/40	771601/40	2"	2"
	721702/40*	741702/40*	751702/40*	771702/40*	2"	2"

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

* Atex 94/9 II 3GD

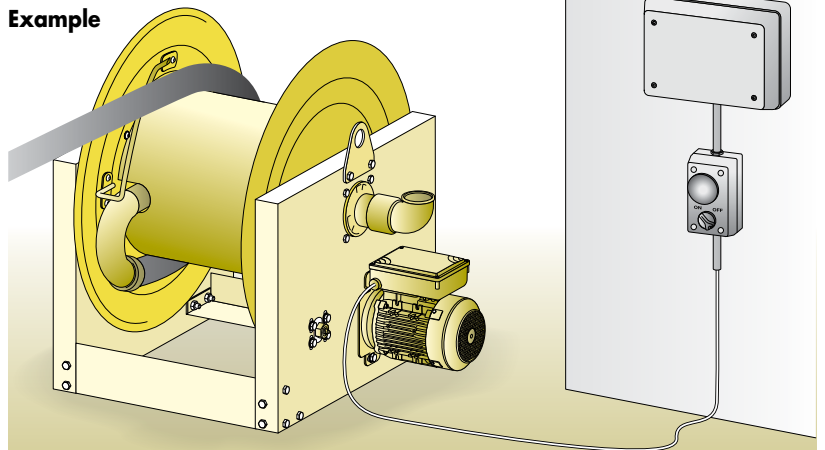
230V electric hose reel power supply

SINGLE PHASE MOTOR 230 V AC, 370 W POWER WITH CONDENSER TO INCREASE THE STARTING POWER.

The On/Off push button must be installed **between the electric motor and 230V power supply**. An internal reduction unit allows the hose to be correctly wound on the drum.

⚠ Attention: check the electrical connection for the correct direction of motor rotation.

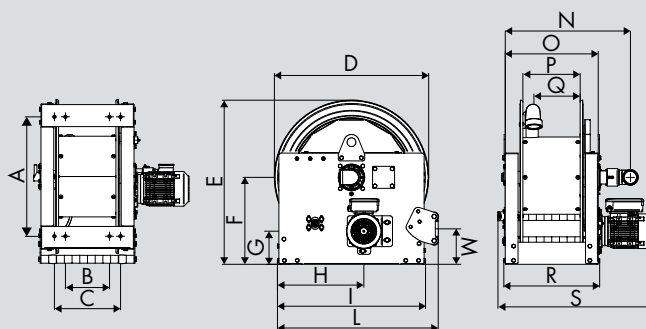
Example



Hose length and diameter

ø Hose	ø Hose external	Width 270	Width 410	Width 550	Width 690
3/8"	17 mm	160 m	300 m	410 m	530 m
1/2"	20 mm	115 m	220 m	300 m	410 m
3/4"	27 mm	70 m	130 m	190 m	240 m
1"	35 mm	30 m	65 m	100 m	130 m
1.1/4"	43 mm	20 m	45 m	65 m	85 m
1.1/2"	50 mm	15 m	40 m	55 m	75 m
2"	63 mm	10 m	20 m	35 m	45 m

Overall dimensions (mm)



	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m ³	Kg
L 270	542	200	300	700	760	410	150	390	670	730	160	570	422	260	210	435	680	0,53	102
L 410	542	340	440	700	760	410	150	390	670	730	160	712	562	398	350	575	844	0,63	113
L 550	542	480	580	700	760	410	150	390	670	730	160	850	705	538	490	717	965	0,73	120
L 690	542	620	720	700	760	410	150	390	670	730	160	990	842	680	630	855	1100	0,82	136

Technical characteristics

The **drum**, in painted steel or in painted steel, is sturdy and practical, with beads to reinforce the structure and rounded border. Available in 4 different sizes.

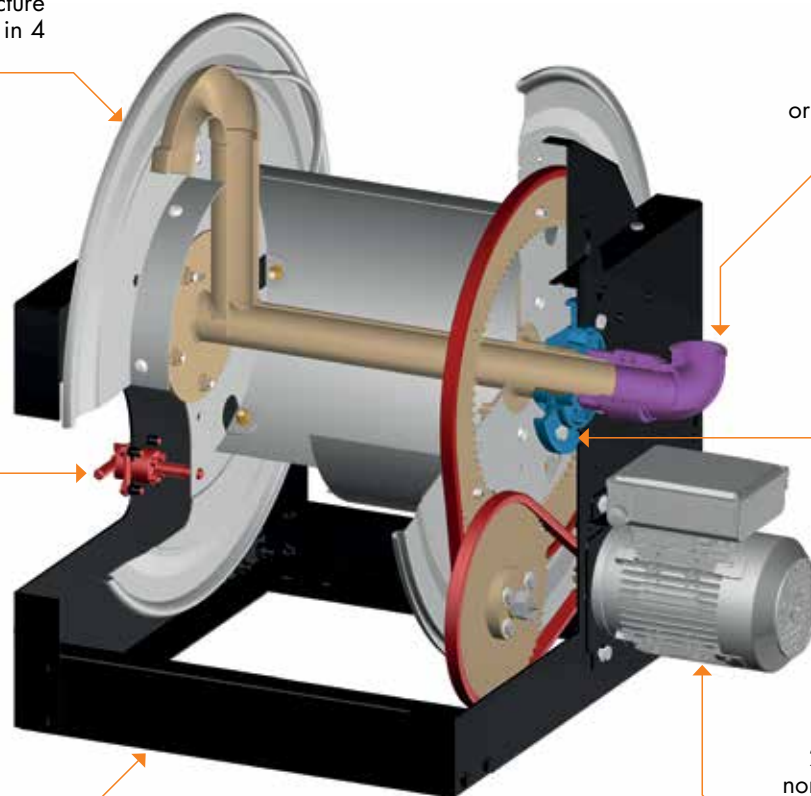
Swivel joint with ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in aluminum or in galvanize steel, with seals in Viton.

Manual stop preventing drum movement.

The self-lubricating bearings and bushes help the rotation of the spool.

The **painting** is highly resistant to atmospheric agents and impacts. The painted products undergo "saline mist resistance" corrosion testing according to UNI 9227 standards.

230V AC electric motor, nominal power of 370 W, with condenser to increase the starting power.



Series



500 manual



600 powered



700 manual



700 electric 24V



700 electric 230V



700 hydraulic



700 pneumatic



The hose reels with hydraulic motor are a handy and easy answer to the problem of hose management. Hose unwinding occurs manually whereas rewinding is done with the hydraulic motor connected to a special control unit as indicated in the figure below.

Fluid - Pressure Part in contact with the fluid	Width 270 mm	Width 410 mm	Width 550 mm	Width 690 mm	Connection	
					Inlet	Outlet
Air - Water - Diesel fuel 20 bar - "aluminum" swivel joint - "viton" seals - central shaft "galvanized steel"	721801/10	741801/10	751801/10	771801/10	2"	2"
Oil and similar 70 bar - "galvanized steel" swivel joint - "viton" seals - central shaft "galvanized steel"	721801/40	741801/40	751801/40	771801/40	2"	2"

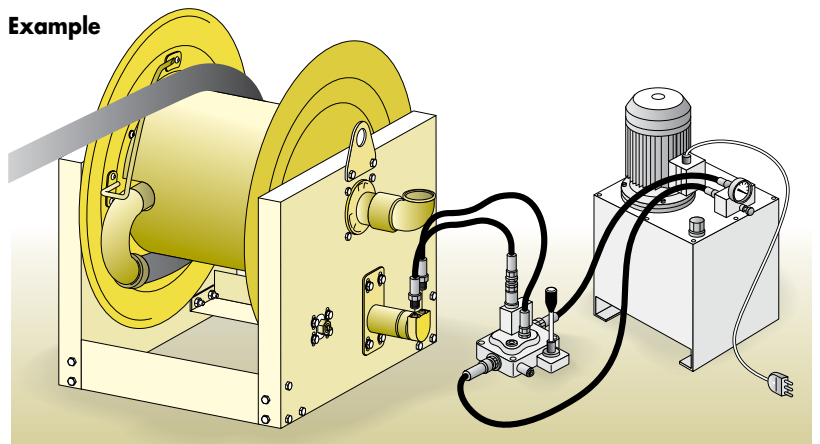
Note: all the hose reels in the table are without hose

Hydraulic hose reel feed

HYDRAULIC MOTOR
MAX POWER OF 1,8 KW,
(continuous working)
MAX TORQUE 46 Nm
(continuous working)
MAX TORQUE 88 Nm (short period),
MAX OIL CONSUMPTION 20 l/min.

The hydraulic motor must be connected to a special control unit equipped with a pump with electric motor, hydraulic oil tank and a control system operated by the user to rewind the hose.

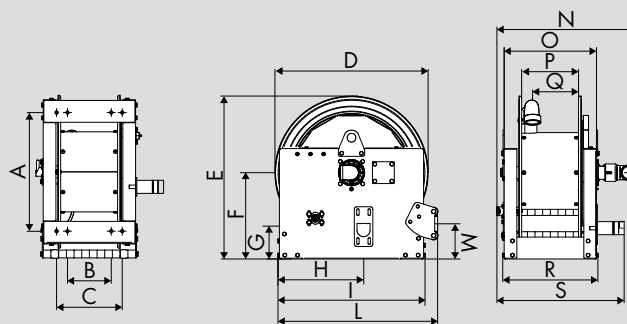
Example



Hose length and diameter

ø Hose	ø Hose external	Width 270	Width 410	Width 550	Width 690
3/8"	17 mm	160 m	300 m	410 m	530 m
1/2"	20 mm	115 m	220 m	300 m	410 m
3/4"	27 mm	70 m	130 m	190 m	240 m
1"	35 mm	30 m	65 m	100 m	130 m
1.1/4"	43 mm	20 m	45 m	65 m	85 m
1.1/2"	50 mm	15 m	40 m	55 m	75 m
2"	63 mm	10 m	20 m	35 m	45 m

Overall dimensions (mm)



	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m ³	Kg
L 270	542	200	300	700	760	410	150	390	670	730	160	640	422	260	210	435	555	0,53	91
L 410	542	340	440	700	760	410	150	390	670	730	160	782	562	398	350	575	695	0,63	102
L 550	542	480	580	700	760	410	150	390	670	730	160	920	705	538	490	717	840	0,73	109
L 690	542	620	720	700	760	410	150	390	670	730	160	1060	842	680	630	855	975	0,82	125

Technical characteristics

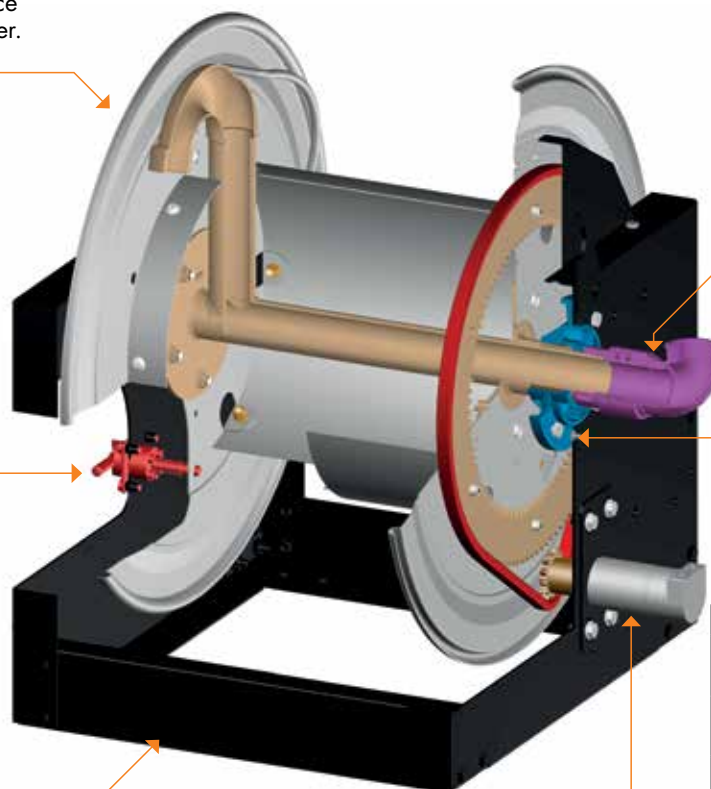
The **drum**, in painted steel or in painted steel, is sturdy and practical, with beads to reinforce the structure and rounded border. Available in 4 different sizes.

Swivel joint with ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in aluminum or in galvanize steel, with seals in Viton.

Manual stop preventing drum movement.

The **self-lubricating bearings** and bushes help the rotation of the spool.

The **painting** is highly resistant to atmospheric agents and impacts. The painted products undergo "saline mist resistance" corrosion testing according to UNI 9227 standards.



hydraulic motor	
Max power (continuous)	1,8 Kw
Max torque (continuous)	46 Nm
Max torque (short period)	88 Nm
Max oil consumption	20 l/min

Series



500 manual



600 powered



700 manual



700 electric 24V



700 electric 230V



700 hydraulic



700 pneumatic
24



The hose reels with pneumatic motor are a handy and easy answer to the problem of hose management. Hose unwinding occurs manually whereas rewinding is done with the pneumatic motor connected to the compressed air supply as indicated in the figure below.

Fluid - Pressure Part in contact with the fluid	Width 270 mm	Width 410 mm	Width 550 mm	Width 690 mm	Connection	
					Inlet	Outlet
Air - Water - Diesel fuel 20 bar - "aluminum" swivel joint - "viton" seals - central shaft "galvanized steel"	721901/10	741901/10	751901/10	771901/10	2"	2"
Oil and similar 70 bar - "galvanized steel" swivel joint - "viton" seals - central shaft "galvanized steel"	721901/40	741901/40	751901/40	771901/40	2"	2"

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

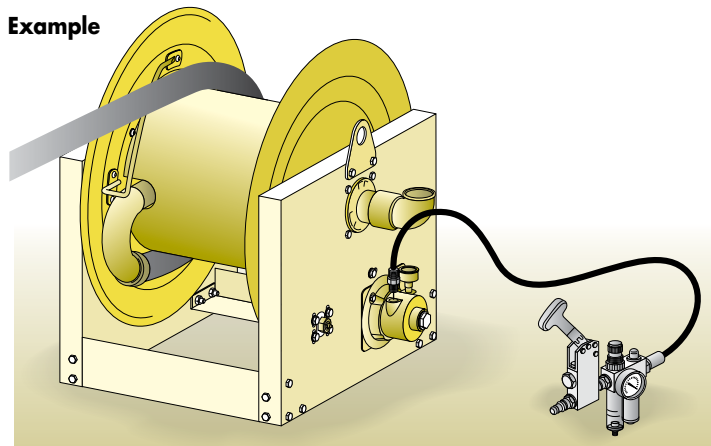


Atex 94/9 II 3GD c TX + 1°C Ta+40°C X (only if equipped with clutch)

Pneumatic hose reel feed

PNEUMATIC MOTOR
VARIABLE SPEED FROM 300 TO 3000 RPM,
MAX WORKING PRESSURE 7 bar,
MAX POWER 1,5 Kw,
MAX TORQUE 6,3 Nm,
MAX AIR CONSUMPTION 130 m³/h

Example

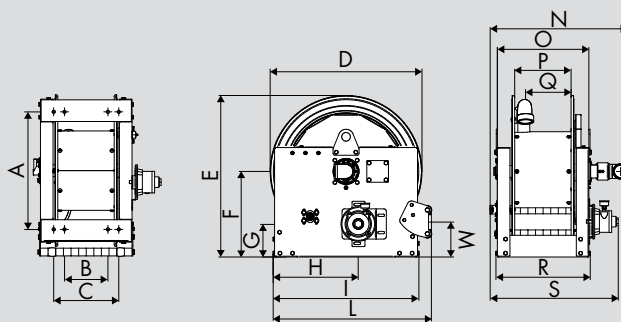


The hose reel with pneumatic motor must be connected to the compressed air supply, interposing an open/close cock and a pressure regular for controlling the rewinding force and speed.

Hose length and diameter

ø Hose	ø Hose external	Width 270	Width 410	Width 550	Width 690
3/8"	17 mm	160 m	300 m	410 m	530 m
1/2"	20 mm	115 m	220 m	300 m	410 m
3/4"	27 mm	70 m	130 m	190 m	240 m
1"	35 mm	30 m	65 m	100 m	130 m
1.1/4"	43 mm	20 m	45 m	65 m	85 m
1.1/2"	50 mm	15 m	40 m	55 m	75 m
2"	63 mm	10 m	20 m	35 m	45 m

Overall dimensions (mm)



	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m ³	Kg
L 270	542	200	300	700	760	410	150	390	670	730	160	640	422	260	210	435	555	0,53	91
L 410	542	340	440	700	760	410	150	390	670	730	160	782	562	398	350	575	695	0,63	102
L 550	542	480	580	700	760	410	150	390	670	730	160	920	705	538	490	717	840	0,73	109
L 690	542	620	720	700	760	410	150	390	670	730	160	1060	842	680	630	855	975	0,82	125

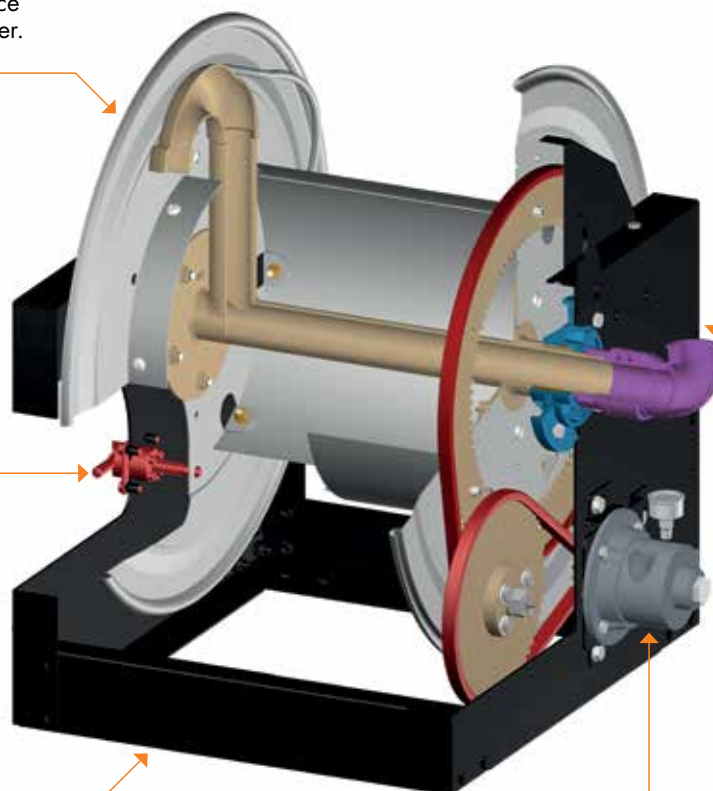
Technical characteristics

The **drum**, in painted steel or in painted steel, is sturdy and practical, with beads to reinforce the structure and rounded border. Available in 4 different sizes.

Swivel joint with ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in aluminum or in galvanize steel, with seals in Viton.

Manual stop preventing drum movement.

The **painting** is highly resistant to atmospheric agents and impacts. The painted products undergo "saline mist resistance" corrosion testing according to UNI 9227 standards.

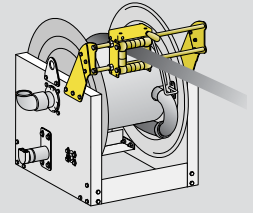


Pneumatic motor	
Variable speed	From 300 to 3000 rpm
Max air inlet pressure	max 7 bar
Max power	1,5 Kw
Max Torque	6,3 Nm
Max air consumption	130 m ³ /h



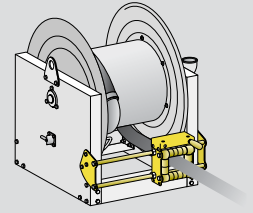
Manual operation hose guide, high

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



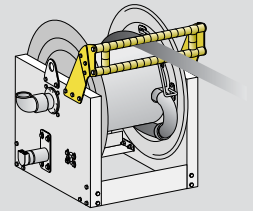
Manual operation hose guide, low

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



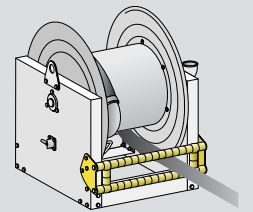
Hose guide standard closed, high

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



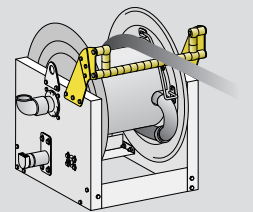
Hose guide standard closed, low

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



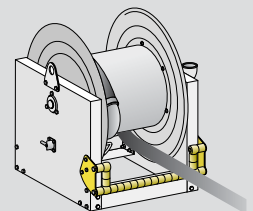
Hose guide standard open, high

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



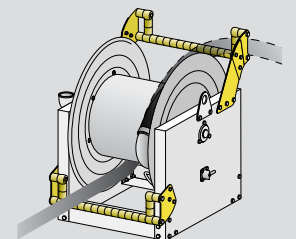
Hose guide standard open, low

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 and 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.

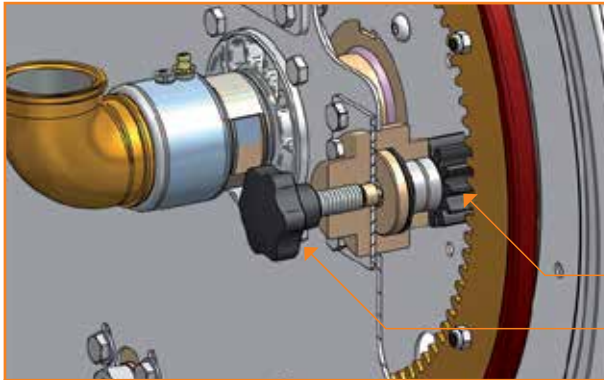


Series 700 Accessories



P/N 0E77/2F

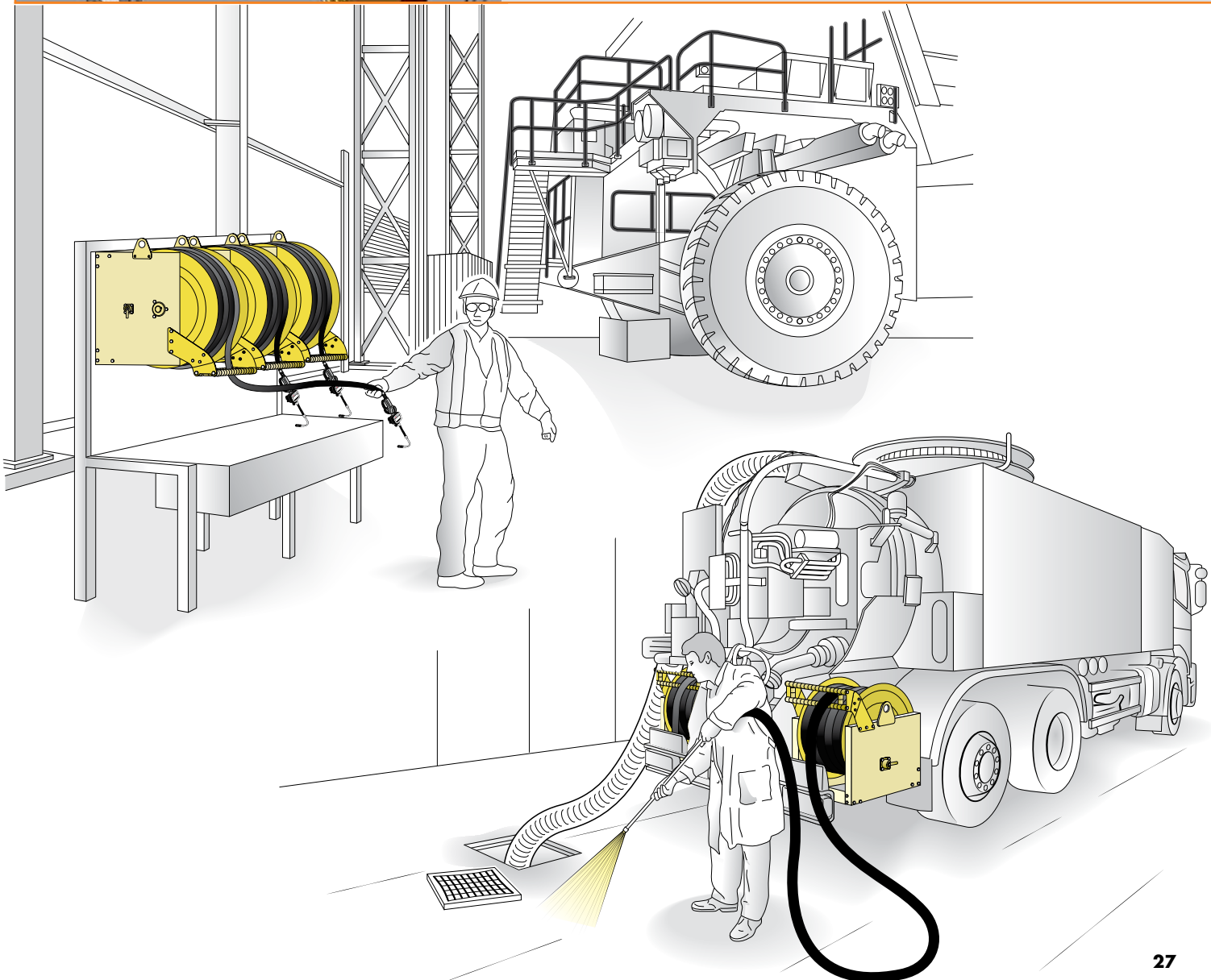
The clutch mounted on a freewheel bearing enables controlled unwinding of the hose, becoming neutral during rewinding.



The **clutch** is useful during hose unwinding which is always done manually. It acts on the connection between the crown gears of the hose reel, limiting sliding. Hose unwinding speed is limited by means of the regulating knob, thereby preventing the drum from continuing to turn due to inertia. The clutch is compulsory for Atex approved versions.

Connection between crown gears, on which the clutch acts.

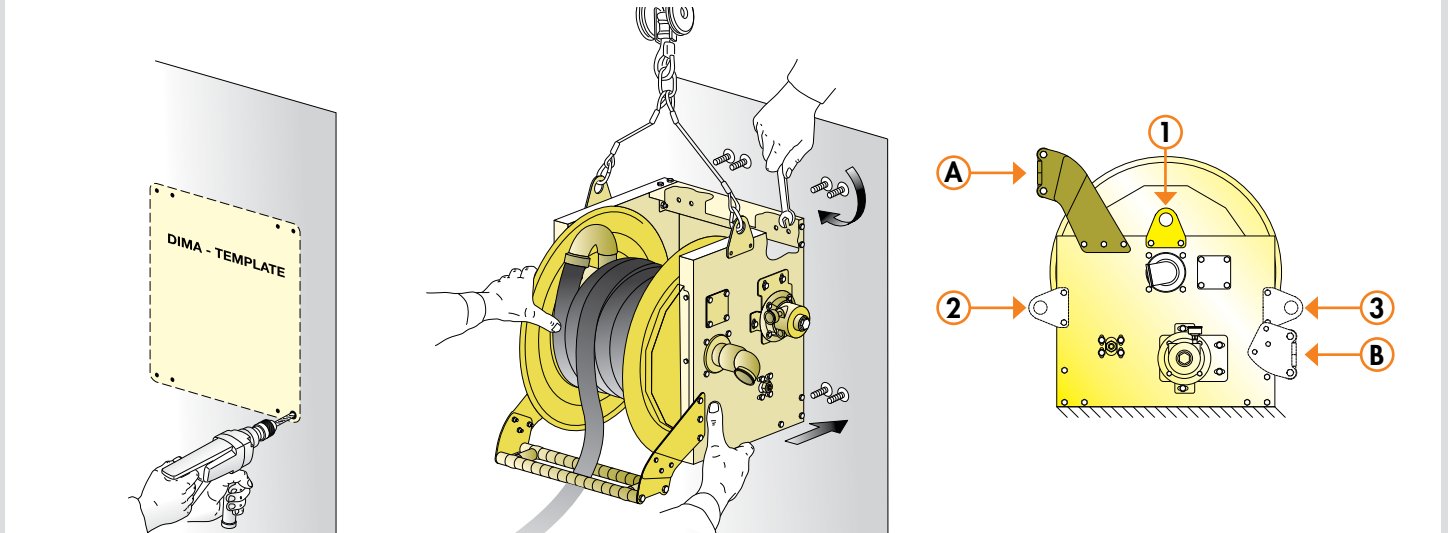
Clutch regulating knob.



Wall mounting

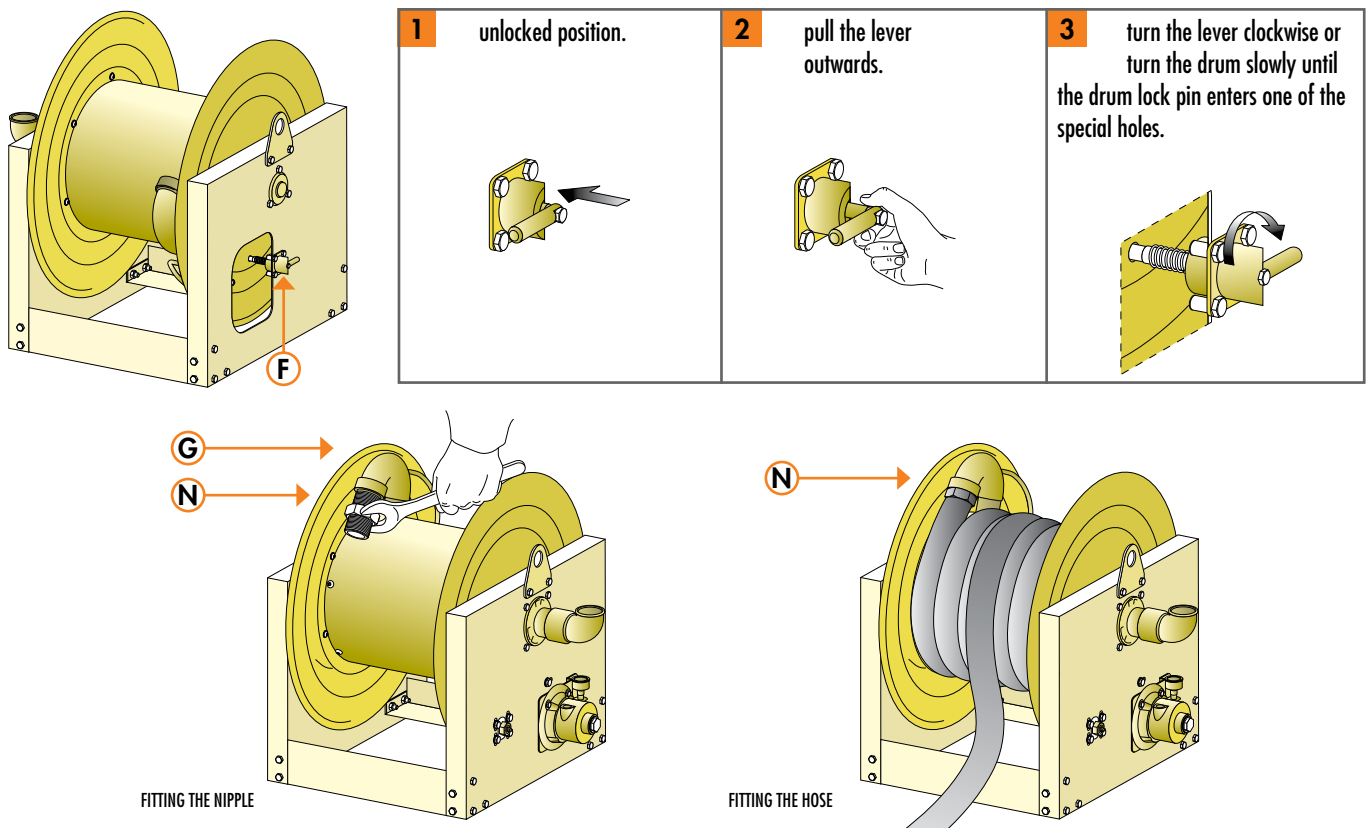
Drill the necessary holes after choosing the ideal position, checking the solidity and thickness of the wall, marking the holes for the plugs (see template supplied with the hose reel) and ensuring that they will not pierce any plumbing pipes or electrical cables. Fix the plugs in the wall and insert the hose reel in the special seats. Tighten the 4/8 fixing nuts.

1 standard position of lifting hooks. **2 - 3** alternative positions of lifting hooks.
A - B positions of hose guides.



Fitting the hose

Before fitting, make sure the hose reel drum is locked by means of the special brake **F** (see procedures 1 - 2 - 3). Screw a Nipple **N** on the outlet elbow **G**, with sealant. Fit the hose on the Nipple **N**.



Hose specifications

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					
	Galvanised steel	Brass	Polyurethane	Viton	Teflon	NBR
Acetate solvent	-	-	D	D	A	D
Acetic acid	A	D	C	C	A	C
Acetic acid, glacial	A	D	C	D	A	D
Acetone	A	D	D	D	A	D
Acetyl chloride (dry)	-	B	D	B	A	D
Acetylene	A	-	D	A	A	A
Adipic acid	-	-	-	A	A	B
Alcohols: ethyl	A	B	D	A	A	A
Alcohols: methyl	A	-	D	D	A	A
Ammonia (10%)	-	D	D	D	A	A
Ammonia, anhydrous	-	D	D	D	A	B
Ammonia, liquid	-	D	B	D	A	B
Ammonium bifluoride	-	-	-	A	A	A
Ammonium carbonate	B	-	-	B	A	D
Ammonium chloride	D	D	A	A	A	A
Ammonium hyposulfite	-	D	-	-	A	A
Ammonium nitrate	D	-	D	-	-	A
Ammonium oxalate	A	-	-	-	A	A
Ammonium persulfate	A	-	D	A	A	D
Ammonium phosphate dibasic	-	D	-	A	A	A
Ammonium phosphate monobasic	A	D	-	A	A	A
Ammonium phosphate tribasic	A	D	-	A	A	A
Ammonium sulfate	C	D	A	D	A	A
Animal oil	-	A	-	A	A	A
Antifreeze	A	A	-	A	A	A
Aqua regia (80% hci, 20% hno3)	-	-	D	C	A	D
Aromatic hydrocarbons	-	-	D	A	A	D
Arsenic acid	D	D	C	A	A	A
Beer	-	-	D	A	A	A
Benzene	D	A	D	A	A	D
Benzoic acid	-	B	D	A	A	D
Bitume	D	-	D	A	A	D
Bleach	D	D	D	A	A	D
Bleach solution	-	-	-	A	A	D
Boric acid	-	D	A	A	A	A
Brake fluid	A	A	D	D	A	D
Bromidic acid 100%	D	D	D	-	A	D

A ▶ excellent compatibility
B ▶ good compatibility

C ▶ poor compatibility, not recommended
D ▶ no compatibility, not recommended

1 ▶ satisfactory up to 22°C
2 ▶ satisfactory up to 48°C

- ▶ not available

Chemical compatibility table

Fluids	Materials					
	Galvanised steel	Brass	Polyurethane	Viton	Teflon	NBR
Butane	-	-	A	A	A	A
Butanol	-	-	D	A	A2	A
Butter	-	-	A	A	A	A
Buttermilk	-	-	-	A	A	A
Butyric acid	-	-	-	-	A	D
Calcium bisulfide	-	-	A	A	-	A
Calcium carbonate	-	D	-	A	A	A
Calcium chloride	-	D	A	A	A	A
Calcium hydroxide	-	C	A	A	A	A
Calcium hypochlorite	-	C	D	A	A	B
Calcium nitrate	-	-	A	A	A	A
Calcium sulfate	-	-	-	A	A	A
Cane juice	-	-	D	-	-	A
Carbolic acid (phenol)	-	C	C	A	A	D
Carbonated water	-	-	-	A	A	A
Carbonic acid	-	C	A	A	A	B
Chlorine (anhydrous liquid)	-	-	-	A	A	D
Chlorine (dry)	-	-	D	A	A	C
Chloroacetic acid	-	-	-	D	-	-
Chlorobenzene	C	B	D	A	A	D
Chlorobromomethane	-	-	D	A	A	D
Chlorosulfonic acid	D	D	D	D	A	D
Chocolate syrup	-	-	-	A	-	A
Chromic acid 5%	-	A	D	A	A	D
Chromic acid 50%	-	D	D	A	A	D
Cider	-	-	-	A	A	A
Citric acid	D	D	A	A	A	A
Coffee	-	-	D	A	A	A
Copper chloride	-	D	A	A	A	A
Copper nitrate	-	-	-	A	A	A
Cream	-	-	-	A	A	A
Cresylic acid	-	-	D	A	A	D
Deionized water	-	-	-	A1	A2	A1
Diesel fuel	A	A	B	A	A	A
Distilled water	-	-	-	A	A	A
Dyes	-	-	-	A	-	-
Engine oil	A	A	A	A	A	A

A ▶ excellent compatibility
B ▶ good compatibility

C ▶ poor compatibility, not recommended
D ▶ no compatibility, not recommended

1 ▶ satisfactory up to 22°C
2 ▶ satisfactory up to 48°C

- ▶ not available

Fluids	Materials					
	Galvanised steel	Brass	Polyurethane	Viton	Teflon	NBR
Ethyl acetate	C	A	D	D	A	D
Ethyl chloride	D	-	C	A	A	A
Ethyl sulfate	-	-	-	A	A	A
Fatty acids	-	-	-	A	A	B
Ferric chloride	-	D	D	A	A	B
Ferrous chloride	-	D	D	A	A	A
Fluoboric acid	-	D	-	A	A	B
Fluosilicic acid	-	D	B	A	A	A
Fluosilicidric acid 20%	-	D	B	A	A	B
Formic acid	D	D	D	B	A	D
Freon 113	-	-	B	C	A	A
Freon 12	-	A	A	A	A	A
Freon 22	-	-	D	D	A	D
Freon tf	-	-	A	-	A	A
Fresh water	D	B	A	B	A	A
Fruit juice	-	-	-	A	A	A
Fuel oil	-	B	B	A	A	A
Gallic acid	D	-	D	A	A	D
Gasoline (high-aromatic)	A	A	D	A	A	C
Gasoline, leaded	A	A	C	A	A	A2
Gasoline, unleaded	A	A	D	A	A	A
Gelatin	-	-	-	A	A	A
Glue (p.V.A.)	A	-	A	A	A	D
Glycerin	-	A	A	A	A	A
Glycolic acid	-	-	-	A	A	A
Grease	A	A	A	A	A	A
Honey	-	-	-	A	A	A
Hydraulic oil (petro)	A	A	A	A	A	A
Hydraulic oil (synthetic)	A	A	-	A	A	C
Hydrchloric acid (20%)	-	D	B	A	A	C
Hydrchloric Acid (37% cold)	-	D	C	A	A	C
Hydrchloric acid (37% - hot)	-	D	C	A	A	D
Hydrocyanic acid	-	-	-	D	A	C
Hydrofluoric acid (concentrated)	-	D	D	A	A	D
Hydrofluoric acid 20%	-	D	-	A	A	D
Hydrofluoric acid 50%	-	D	D	A	A	D
Hydrofluoric acid 75%	-	D	-	A	A	D

A ▶ excellent compatibility
B ▶ good compatibility

C ▶ poor compatibility, not recommended
D ▶ no compatibility, not recommended

1 ▶ satisfactory up to 22°C
2 ▶ satisfactory up to 48°C

- ▶ not available

Chemical compatibility table

Fluids	Materials					
	Galvanised steel	Brass	Polyurethane	Viton	Teflon	NBR
Hydrogen (gas)	-	D	A	A	A	A
Hydrogen peroxide	D	D	C	A	A	B
Hydroxyacetic acid 70%	-	-	-	A	A	A
Ink	-	-	-	A	-	A
Isooctane	-	A	-	A	-	A
Jet fuel	A	A	C	A	A	A
Kerosene	A	A	C	A	A	A
Lactic acid	D	B	-	A	A	B
Latex	-	-	-	A	A	A
Lime	-	-	-	A	A1	A
Linoleic acid	-	-	-	A	A	B
Magneium nitrate	-	-	-	A	A	A
Magnesium carbonate	-	-	-	-	A	A
Magnesium chloride	C	-	A	A	A	A
Magnesium hydroxide	B	B	A	A	A	B
Magnesium oxide	-	-	-	A	A	A
Magnesium sulfate	B	-	-	A	A	A
Maleic acid	B	D	-	A	A	D
Malic acid	-	D	-	A	A	B
Malt whiskey	-	-	-	A	A	A
Mayonnaise	-	-	-	A	A	C
Mercury	-	D	A	A	A	A
Mercury chloride (dilute)	-	D	-	A	A	A
Mercury cyanide	-	D	-	A1	A	A
Methane	A	B	B	A	A	A
Methanol	-	B	D	C	A	A
Methyl acetone	A	-	D	D	A	D
Methyl acrylate	-	B	-	D	A	D
Methyl bromide	-	-	-	A	A	B
Methyl chloride	-	-	D	A	A	D
Methyl dichloride	-	-	D	A	A	D
Methyl ethyl ketone	-	-	D	D	A	D
Methyl methacrylate	-	-	-	D	A	D
Milk	-	-	-	A	A	A
Mine ragia water	-	A	-	A	A	A
Mine water	D	B	A	A	A	A
Molasses	-	-	D	A	A	A

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1 ▶ satisfactory up to 22°C
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- ▶ not available

Fluids	Materials					
	Galvanised steel	Brass	Polyurethane	Viton	Teflon	NBR
Must	-	-	-	A	A2	A
Naphta	-	B	C	A	A	B
Naphtalene	-	B	B	A	A	D
Nitric acid (20%)	D	D	C	A	A	D
Nitric acid (50%)	D	D	C	A	A	D
Nitric acid (5-10%)	D	D	C	A	A	D
Nitric acid (concentrated)	D	D	D	A	A	D
Oils: aniline	-	-	C	A	A	D
Oils: anise	-	-	-	-	A	-
Oils: bay	-	-	-	A	-	-
Oils: castor	-	-	A	A	A	A
Oils: cinnamon	-	-	-	-	-	-
Oils: clove	-	-	-	-	-	A
Oils: coconut	-	-	A	A	A	A
Oils: cod liver	-	-	-	A	A	A
Oils: corn	-	-	A	A	A	A
Oils: cottonseed	-	-	A	A	A	A
Oils: creosote	-	-	-	A	A	A
Oils: diesel fuel (20,30,40,50)	-	B	-	A	A	A
Oils: fuel (1,2,3,4,5,6)	-	B	-	B	A	B
Oils: ginger	-	-	-	A	-	A
Oils: lemon	-	-	-	A	-	-
Oils: linseed	-	B	B	A	A	A
Oils: mineral	A	A	A	A	A	A
Oils: olive	-	-	A	A	A	A
Oils: orange	-	-	-	A	-	A
Oils: palm	-	-	-	A	A	A
Oils: peanut	-	-	B	A	A	A
Oils: peppermint	-	-	-	A	A	D
Oils: pine	-	-	-	A	A	A
Oils: rapeseed	-	-	B	A	A	B
Oils: resin	-	-	-	A	A	A
Oils: sesame seed	-	-	-	A	-	A
Oils: silicone	-	-	A	A	A	A
Oils: soybean	D	-	B	A	A	A
Oils: sperm (whale)	-	-	-	A	-	A
Oils: tanning	-	-	-	A	-	A

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Chemical compatibility table

Fluids	Materials					
	Galvanised steel	Brass	Polyurethane	Viton	Teflon	NBR
Oils: transformer	A	-	-	A	A	A
Oils: turbine	A	-	B	B	A	B
Oleic acid	C	-	B	B	A	B
Olis: cutting	-	-	-	A	A	A
Paint thinner	-	-	-	B1	A2	B
Palmitic acid	-	D	A	A	A	A
Perchloric acid	-	-	D	A	A	D
Petroleum	-	A	-	A2	A2	A2
Petroleum jelly	-	-	-	A	C	A
Phosphoric acid (<40%)	-	D	B	A	A	D
Phosphoric acid (>40%)	-	D	C	A	A	D
Picric acid	-	D	B	A	A	B
Potassium bicarbonate	-	-	-	A	A	A
Potassium bromide	D	-	-	A	A	A
Potassium chlorate	-	-	-	A	A	A
Potassium chloride	B	D	A	A	A	A
Potassium chromate	-	-	-	A	A	A
Potassium cyanide solutions	B	D	A	A	A	A
Potassium dichromate	C	D	-	-	-	-
Potassium hydroxide (caustic potash)	-	-	B	D	A	B
Potassium nitrate	-	B	A	A	A	A
Potassium permanganate	-	-	-	A	A	A
Potassium sulfate	B	B	A	A	A	A
Propane (liquefied)	-	A	B	A	A	A
Pyrogalllic acid	-	-	-	A	A	D
Rosin	D	-	-	A	A	A2
Rum	-	-	D	A	A	A
Rust inhibitors	-	-	-	A	-	A
Salad dressings	-	-	-	A	-	A
Salt brine	-	-	A	A	A	A
Salt water	-	A	A	A	A	A
Sea water	-	A	A	A	A	A2
Sewage (black water)	D	-	D	A	A	A
Shellac (bleached)	-	-	-	-	-	A
Shellac (orange)	-	-	-	-	-	A
Silicone	-	-	-	A	A	A
Soap solutions	-	A	A	A	A	A

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Fluids	Materials					
	Galvanised steel	Brass	Polyurethane	Viton	Teflon	NBR
Soda ash (sodium carbonate)	-	D	-	A	A	A1
Sodium aluminate	C	-	-	A	A	A
Sodium bicarbonate	C	-	-	A	A	A
Sodium bisulfate	D	-	-	A	A	A
Sodium bisulfite	-	-	-	A	A	A
Sodium carbonate	B	B	-	A	A	A
Sodium chlorate	C	-	-	A	A	A
Sodium chloride	C	D	A	A	A	A
Sodium chromate	B	B	-	A	A	A
Sodium cyanide	B	D	-	A	A	A
Sodium hydroxide (20%)	-	-	B	A	A	A
Sodium hydroxide (50%)	-	-	B	A	A	D
Sodium hydroxide (80%)	-	-	B	B	A	D
Sodium hypochlorite (<20%)	-	D	D	A	A	D
Sodium metasilicate	C	-	-	A	A	A
Sodium nitrate	B	-	-	A	A	C
Sodium perborate	B	-	-	A	A	B
Sodium peroxide	C	D	D	A	A	C
Sodium silicate	B	-	-	A	A	A
Sodium sulfate	B	-	A	A	A	A
Sodium sulfide	B	D	A	A	A	A
Sodium tetraborate	-	-	-	A	A	A
Sodium thiosulfate	-	-	A	A	A	B
Soy sauce	-	-	B	A	A	A
Stannic chloride	D	D	B	A	A	A
Starch	-	-	A	A	A	A
Stoddard solvent	A	A	A	A	A	B
Sulfuric acid (<10%)	-	D	D	A	A	D
Sulfuric acid (10-75%)	-	D	D	A	A	D
Sulfuric acid (75-100%)	-	D	D	A	A	D
Sulfurous acid	D	D	D	D	A	D
Tannic acid	C	B	A	A	A	A
Tartaric acid	D	B	A	A	A	A
Toluene	A	A	C	A	A	D
Tomato juice	-	-	-	A	A	A
Trichloroacetic acid	-	-	D	B	A	C
Turpentine	B	B	D	A	A	A

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Chemical compatibility table

Fluids	Materials					
	Galvanised steel	Brass	Polyurethane	Viton	Teflon	NBR
Urea	-	-	-	A	A	B
Urine	-	-	-	A1	A1	A1
Varnish	-	A	D	D	A	D
Varnish	-	A	-	A	A	B
Varnish (xylene based)	A	A	D	D	A	D
Varnish diluted	-	A	D	B	A	A
Varnish solvent	-	-	D	B	A	D
Vegetable juice	-	-	-	A	A	A2
Vinegar	-	-	-	A	A	-
Water, chlorine	-	-	-	A	A	D
Weed killers	-	-	-	A	-	A
Whiskey and wine	-	-	-	-	-	-

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NOTES



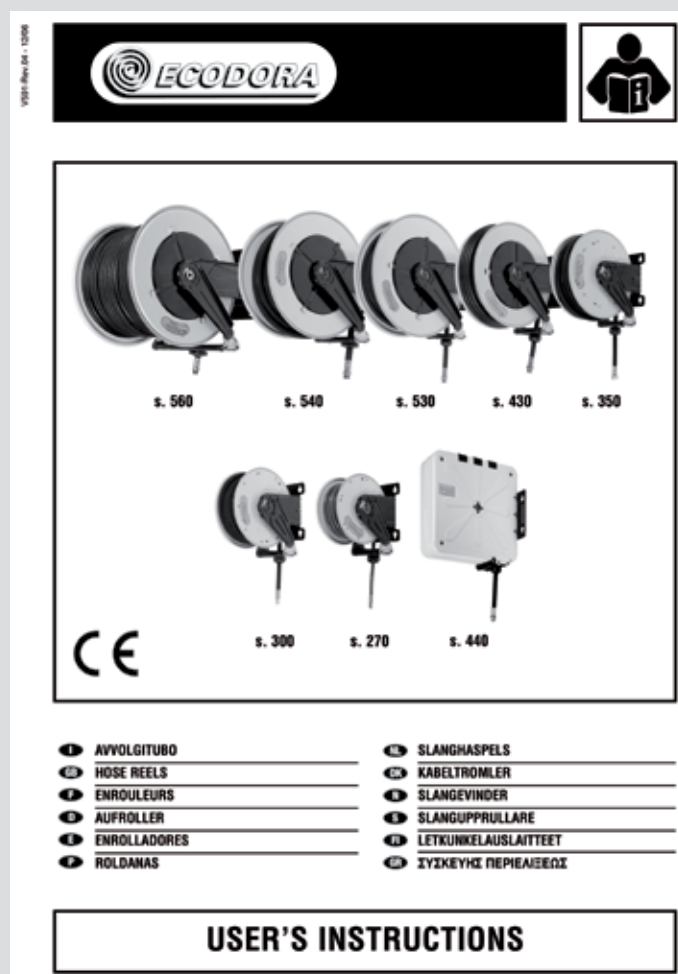
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Guide to ordering spare parts

You can easily make your spare parts orders by consulting **Ecodora Spare Parts Catalogue** illustrating for each model of hose reel the **exploded view of each item and spare parts guide**.

The **spare parts guide** is subdivided in 3 columns:

- ▶ List of spare parts kit (code KR) : a KR includes a group of selected parts shown with the same colour in the exploded view; the spare parts composing the kit can't be supplied separately except those with a proper code indicated in the exploded view.
 - ▶ List of spare parts that can be supplied separately.
 - ▶ Joints gaskets list shown on the exploded view.
- ⚠ Attention: check carefully swivel joint and pressure indicated on the label to order the suitable gaskets depending on type of utilisation.



Each Hose Reel package contain User's Instructions.

