



Catalogue No. 2011/4-700
Effective from 1st October 2011

INDUSTRIAL HOSE REELS

SERIES 700 MANUAL AND MOTOR-OPERATED



Technical characteristics page **4**



Series 700 manual page **6**



Series 700 electric 24V page **8**



Series 700 electric 230V page **9**



Series 700 hydraulic page **10**



Serie 700 pneumatic page **11**

Accessories page **12**

Applications page **14**

Technical characteristics

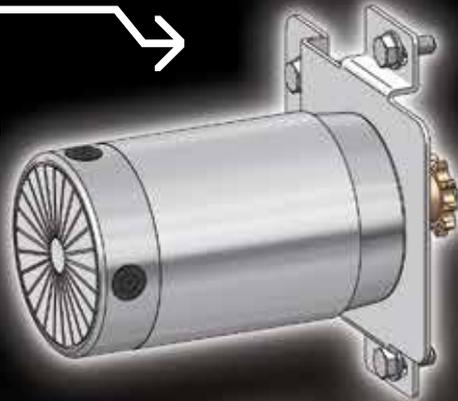
The exploded view below enables easy identification of the main parts making up the industrial hose reel, at the same time indicating the technical features.

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.

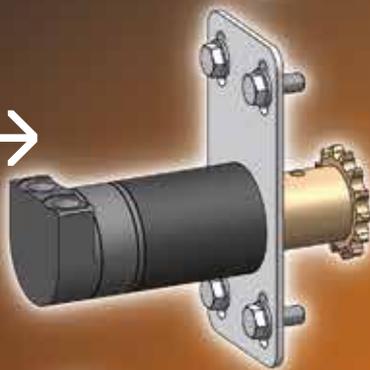
Version with 24V electric motor.



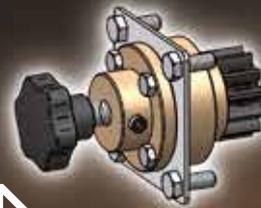
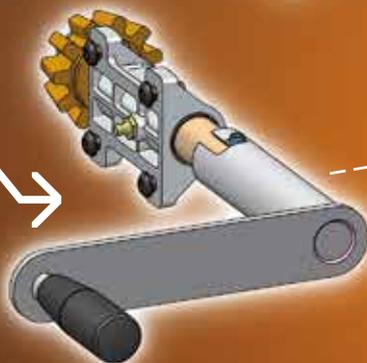
Version with pneumatic motor.



Version with hydraulic motor.



Version with handle connected to the rack.



Adjustable clutch for correct hose unwinding. **Available on request.**

Swivel joint with total passage so as not to hinder the flow.



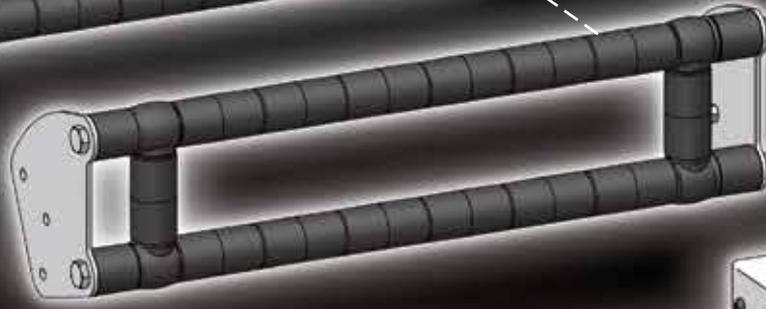
Steel 70 bar.



Aluminium 20 bar.



Standard open hose guide.
Enables fitting of two guides
in opposite directions (see figure
page 12 below)
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.

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 700 MANUAL PAINTED STEEL

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.

In accordance with directive



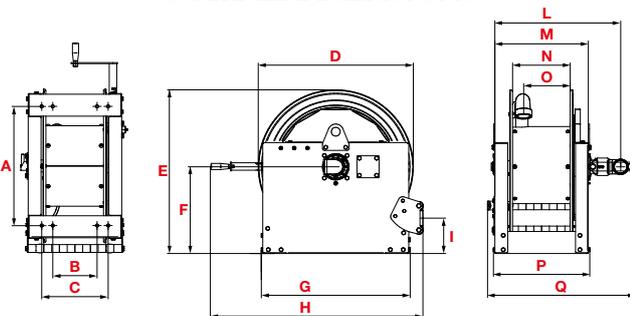
Note: all the hose reels in the table are without hose

	width 270 mm	width 410 mm	width 550 mm	width 690 mm	Connection	
					inlet	outlet
20 bar Air - Water Diesel fuel - swivel joint aluminium - seals in "viton"	721001/10	741001/10	751001/10	771001/10	2"	2"
70 bar Oil and allied products - swivel joint in carbon steel - seals in "viton"	721001/40	741001/40	751001/40	771001/40	2"	2"

DRUM CAPACITY

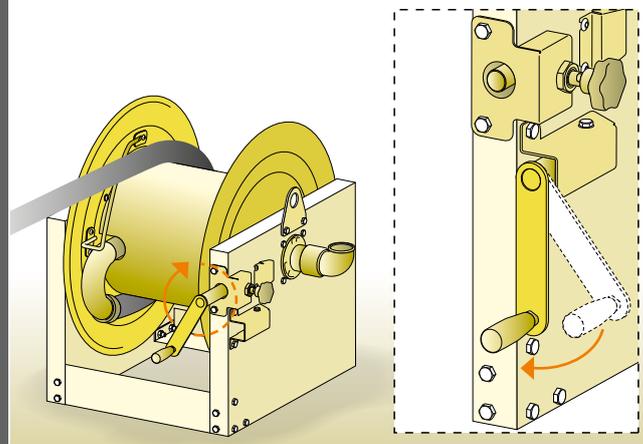
Ø HOSE	Ø HOSE EXT.	L 270	L 410	L 550	L 690
3/8"	17 mm	160 m	290 m	425 m	550 m
1/2"	20 mm	110 m	185 m	280 m	375 m
3/4"	27 mm	65 m	120 m	185 m	245 m
1"	34 mm	32 m	65 m	100 m	135 m
1.1/4"	43 mm	20 m	40 m	60 m	85 m
1.1/2"	50 mm	17 m	35 m	55 m	75 m
2"	63 mm	10 m	20 m	30 m	43 m

OVERALL DIMENSIONS



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.



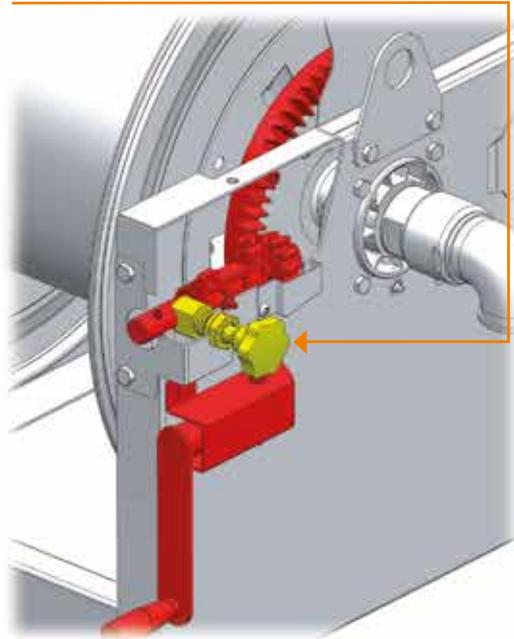
	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	1-m ³	Kg
L 270	542	200	300	700	760	410	672	920	160	570	422	260	210	435	640	0,53	85
L 410	542	340	440	700	760	410	672	920	160	712	562	398	350	575	735	0,63	96
L 550	542	480	580	700	760	410	672	920	160	850	705	538	490	717	875	0,73	103
L 690	542	620	720	700	760	410	672	920	160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

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 as shown in the photo opposite.

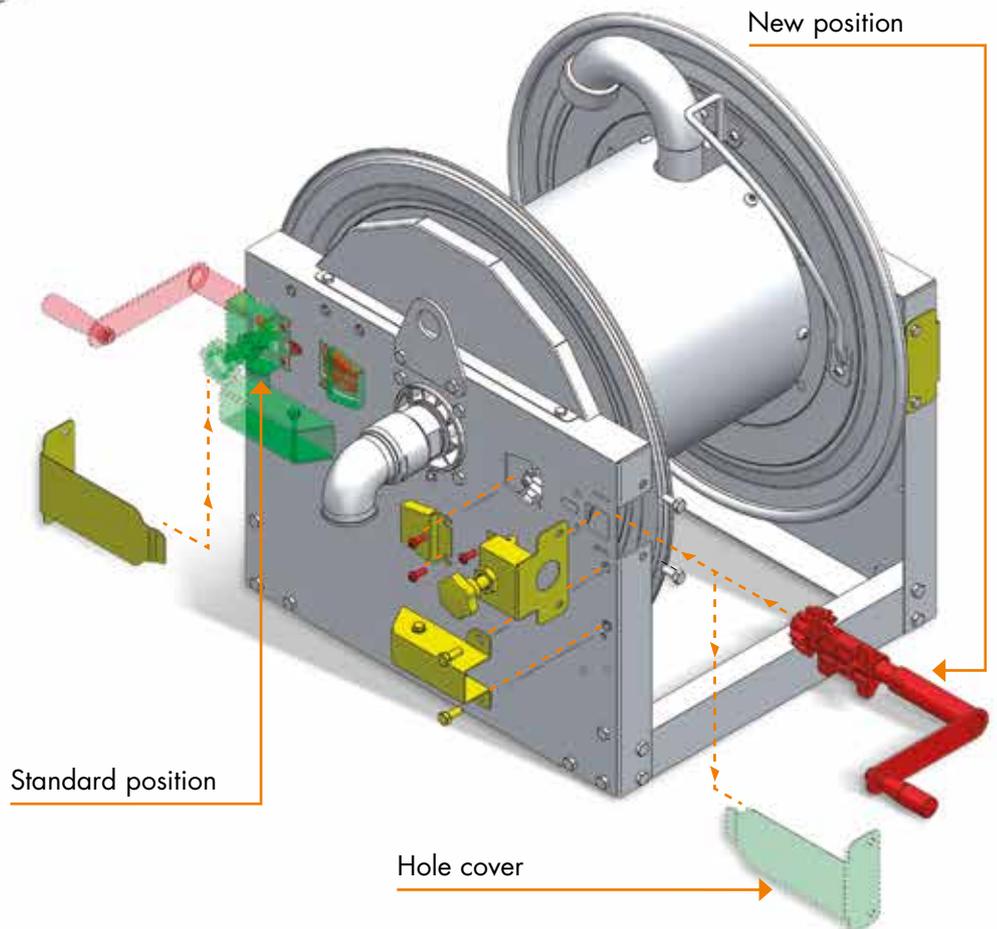


The clutch in POM, which acts on the handle (to be used only during unwinding), creates the necessary friction on the pinion, for regulating hose unwinding speed.



SHIFTING THE HANDLE WITH CLUTCH

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



SERIES 700 ELECTRIC 24V PAINTED STEEL

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.



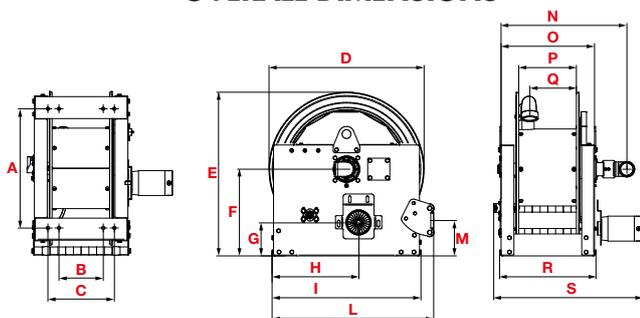
Note: all the hose reels in the table are without hose

	width 270 mm	width 410 mm	width 550 mm	width 690 mm	Connection	
					inlet	outlet
20 bar Air - Water Diesel fuel - swivel joint aluminium - seals in "viton"	721301/10	741301/10	751301/10	771301/10	2"	2"
70 bar Oil and allied products - swivel joint in carbon steel - seals in "viton"	721301/40	741301/40	751301/40	771301/40	2"	2"

DRUM CAPACITY

Ø HOSE	Ø HOSE EXT.	L 270	L 410	L 550	L 690
3/8"	17 mm	160 m	290 m	425 m	550 m
1/2"	20 mm	110 m	185 m	280 m	375 m
3/4"	27 mm	65 m	120 m	185 m	245 m
1"	34 mm	32 m	65 m	100 m	135 m
1.1/4"	43 mm	20 m	40 m	60 m	85 m
1.1/2"	50 mm	17 m	35 m	55 m	75 m
2"	63 mm	10 m	20 m	30 m	43 m

OVERALL DIMENSIONS



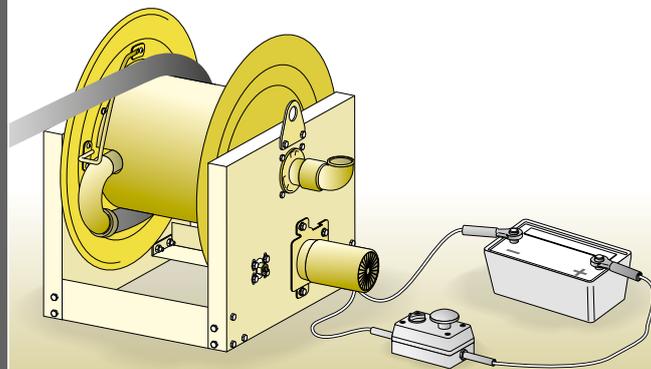
	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m ³	Kg
L 270	542	200	300	700	760	410	150	390	670	730	160	570	422	260	210	435	630	0,53	100
L 410	542	340	440	700	760	410	150	390	670	730	160	712	562	398	350	575	770	0,63	110
L 550	542	480	580	700	760	410	150	390	670	730	160	850	705	538	490	717	915	0,73	117
L 690	542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

24V ELECTRIC HOSE REEL POWER SUPPLY

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.

24V DC MOTOR, 300W POWER

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



SERIES 700 ELECTRIC 230V PAINTED STEEL

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.



On request hose reels are available with following Atex Certification



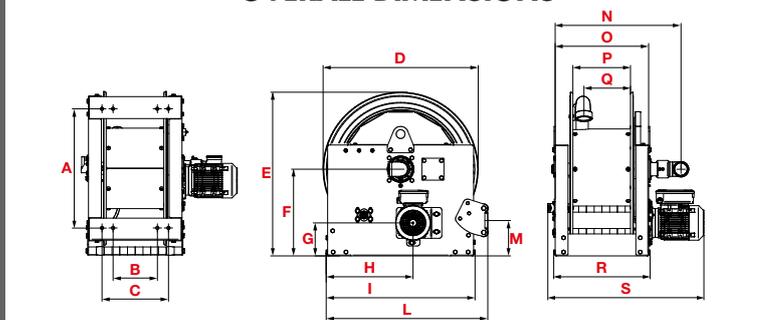
Note: all the hose reels in the table are without hose

	width 270 mm	width 410 mm	width 550 mm	width 690 mm	Connection	
					inlet	outlet
20 bar Air - Water Diesel fuel - swivel joint aluminium - seals in "viton"	721601/10	741601/10	751601/10	771601/10	2"	2"
70 bar Oil and allied products - swivel joint in carbon steel - seals in "viton"	721601/40	741601/40	751601/40	771601/40	2"	2"

DRUM CAPACITY

Ø HOSE	Ø HOSE EXT.	L 270	L 410	L 550	L 690
3/8"	17 mm	160 m	290 m	425 m	550 m
1/2"	20 mm	110 m	185 m	280 m	375 m
3/4"	27 mm	65 m	120 m	185 m	245 m
1"	34 mm	32 m	65 m	100 m	135 m
1.1/4"	43 mm	20 m	40 m	60 m	85 m
1.1/2"	50 mm	17 m	35 m	55 m	75 m
2"	63 mm	10 m	20 m	30 m	43 m

OVERALL DIMENSIONS

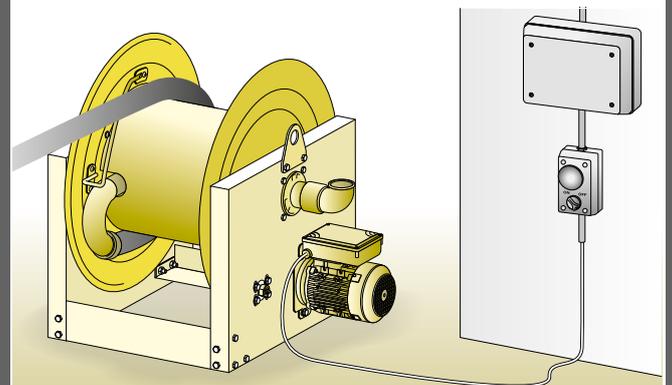


230V ELECTRIC HOSE REEL POWER SUPPLY

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.

SINGLE-PHASE 230V DC MOTOR, 370W POWER AND CONDENSER TO INCREASE INITIAL INRUSH

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



	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

SERIES 700 HYDRAULIC PAINTED STEEL

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.



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

	width 270 mm	width 410 mm	width 550 mm	width 690 mm	Connection	
					inlet	outlet
20 bar Air - Water Diesel fuel - swivel joint aluminium - seals in "viton"	721801/10	741801/10	751801/10	771801/10	2"	2"
70 bar Oil and allied products - swivel joint in carbon steel - seals in "viton"	721801/40	741801/40	751801/40	771801/40	2"	2"

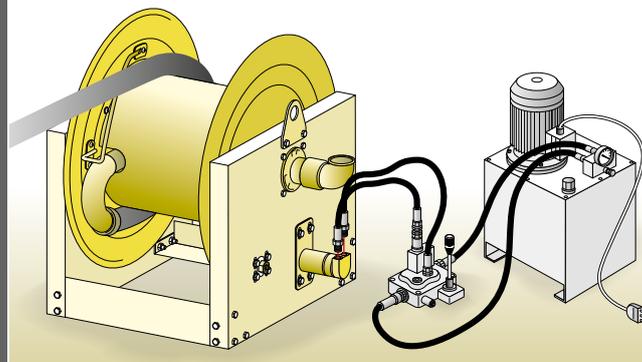
DRUM CAPACITY

Ø HOSE	Ø HOSE EXT.	L 270	L 410	L 550	L 690
3/8"	17 mm	160 m	290 m	425 m	550 m
1/2"	20 mm	110 m	185 m	280 m	375 m
3/4"	27 mm	65 m	120 m	185 m	245 m
1"	34 mm	32 m	65 m	100 m	135 m
1.1/4"	43 mm	20 m	40 m	60 m	85 m
1.1/2"	50 mm	17 m	35 m	55 m	75 m
2"	63 mm	10 m	20 m	30 m	43 m

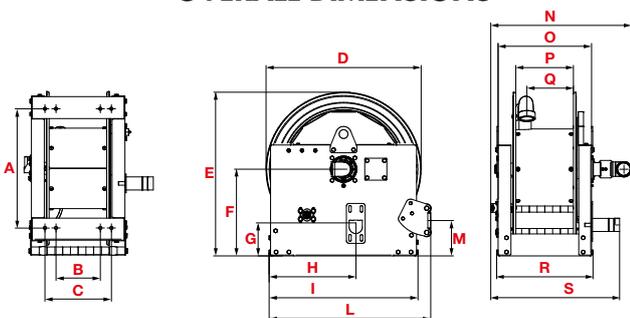
HYDRAULIC HOSE REEL FEED

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.

HYDRAULIC MOTOR, OIL PRESSURE MAX. 170 BAR FOR A FEED OF 5 L/MIN



OVERALL DIMENSIONS



	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

SERIES 700 PNEUMATIC PAINTED STEEL

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.



Mounting the clutch P/N 0A472F the hose reel is in accordance with the ATEX Certification



Note: all the hose reels in the table are without hose	width 270 mm	width 410 mm	width 550 mm	width 690 mm	Connection	
					inlet	outlet
20 bar Air - Water Diesel fuel - swivel joint aluminium - seals in "viton"	721901/10	741901/10	751901/10	771901/10	2"	2"
70 bar Oil and allied products - swivel joint in carbon steel - seals in "viton"	721901/40	741901/40	751901/40	771901/40	2"	2"

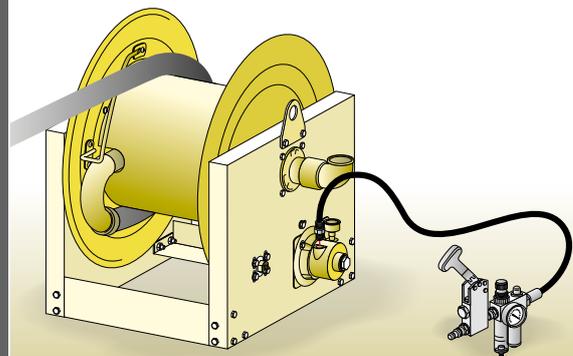
DRUM CAPACITY

Ø HOSE	Ø HOSE EXT.	L 270	L 410	L 550	L 690
3/8"	17 mm	160 m	290 m	425 m	550 m
1/2"	20 mm	110 m	185 m	280 m	375 m
3/4"	27 mm	65 m	120 m	185 m	245 m
1"	34 mm	32 m	65 m	100 m	135 m
1.1/4"	43 mm	20 m	40 m	60 m	85 m
1.1/2"	50 mm	17 m	35 m	55 m	75 m
2"	63 mm	10 m	20 m	30 m	43 m

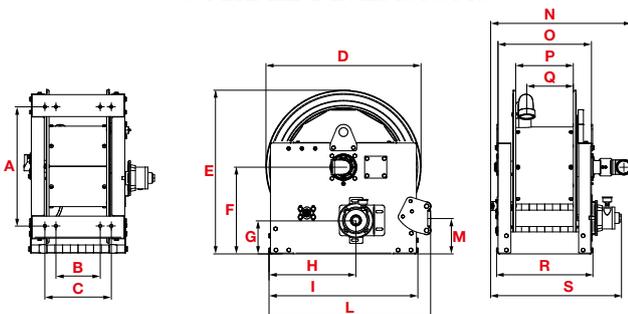
PNEUMATIC HOSE REEL FEED

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.

**PNEUMATIC MOTOR, WORKING PRESSURE
MAX. 7 BAR FOR A CONSUMPTION
OF 2000 L/MIN**



OVERALL DIMENSIONS

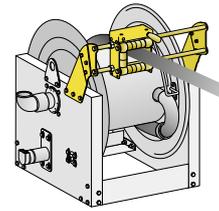


	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m ³	Kg
L 270	542	200	300	700	760	410	150	390	670	730	160	640	422	260	210	435	565	0,53	98
L 410	542	340	440	700	760	410	150	390	670	730	160	782	562	398	350	575	700	0,63	109
L 550	542	480	580	700	760	410	150	390	670	730	160	920	705	538	490	717	845	0,73	116
L 690	542	620	720	700	760	410	150	390	670	730	160	1060	842	680	630	855	985	0,82	131



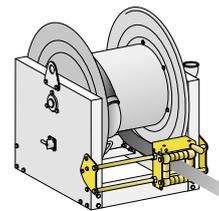
MANUAL OPERATION HOSE GUIDE, HIGH

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



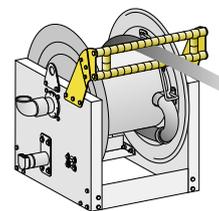
MANUAL OPERATION HOSE GUIDE, LOW

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



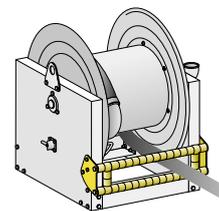
HOSE GUIDE STANDARD CLOSED, HIGH

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



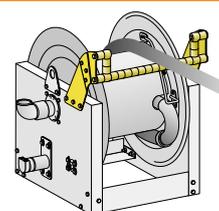
HOSE GUIDE STANDARD CLOSED, LOW

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



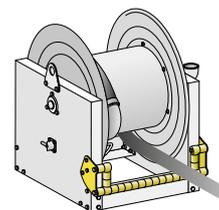
HOSE GUIDE STANDARD OPEN, HIGH

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



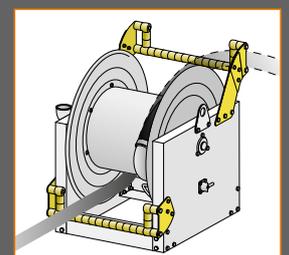
HOSE GUIDE STANDARD OPEN, LOW

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



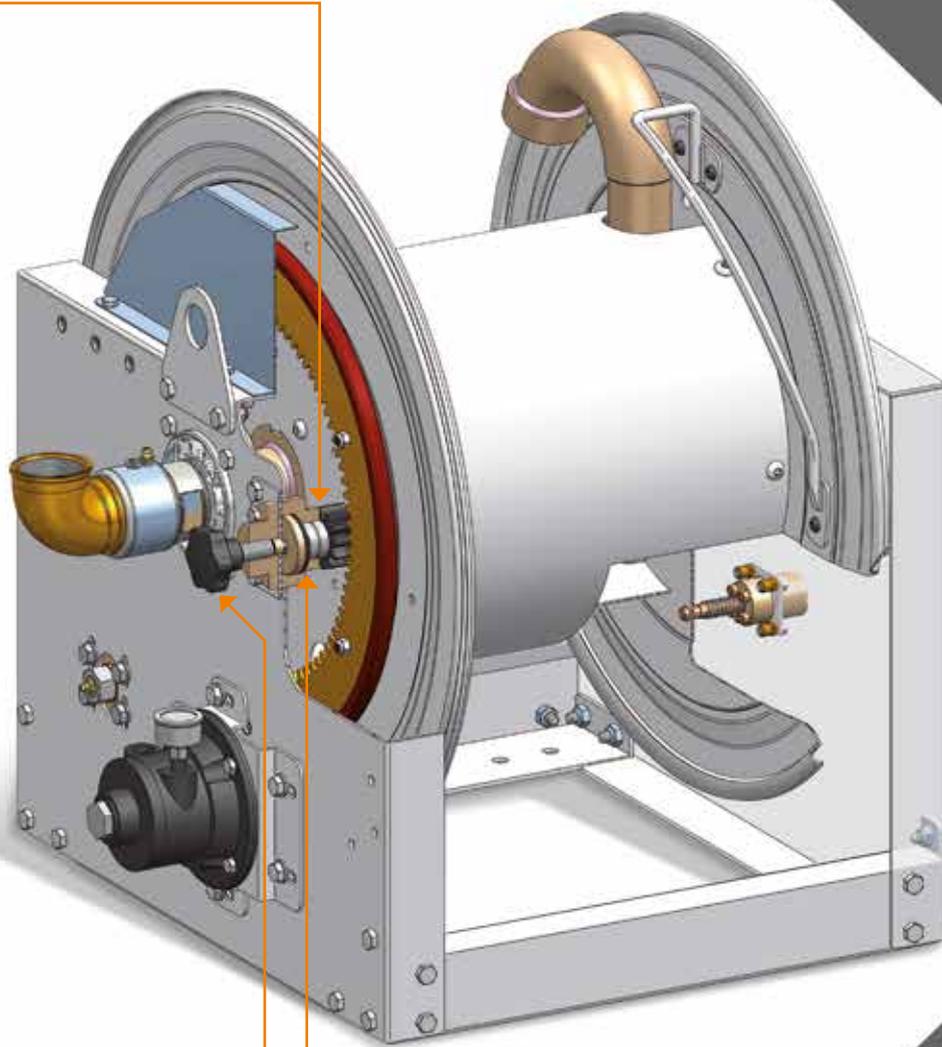
Hose guide, standard open high or low.

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.



**Hose reel with 24V - 230V ELECTRIC -
HYDRAULIC - PNEUMATIC motor**

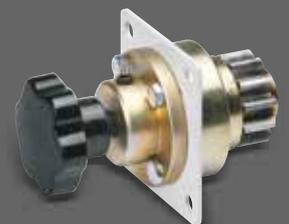
Connection between crown gears, on which the clutch acts.



Clutch regulating knob.

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.

**P/N OE77/2F Clutch**

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

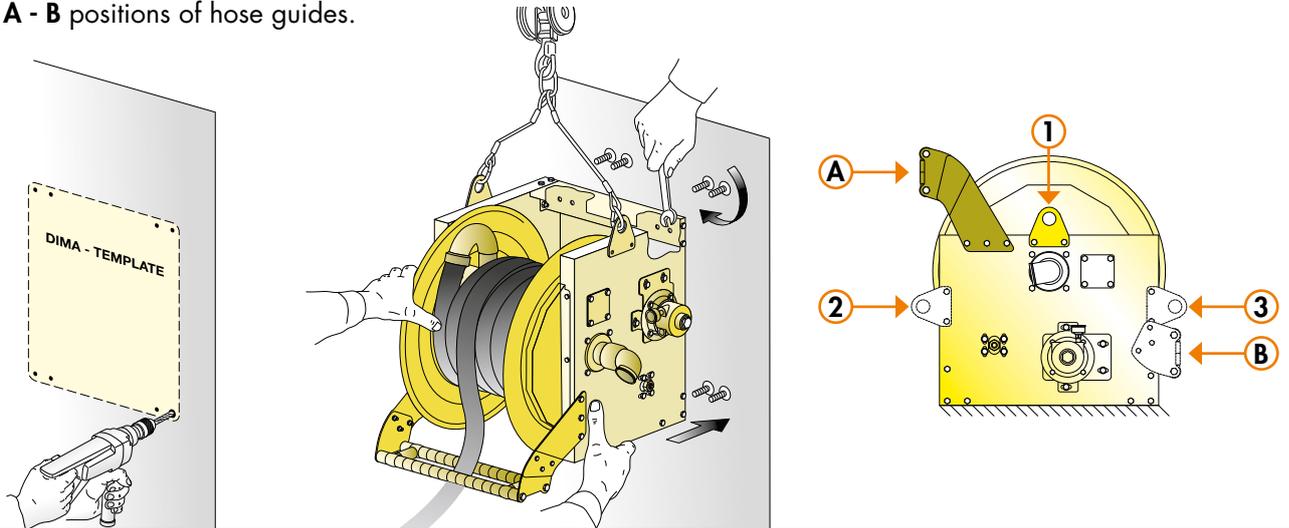
Wall mounting

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.

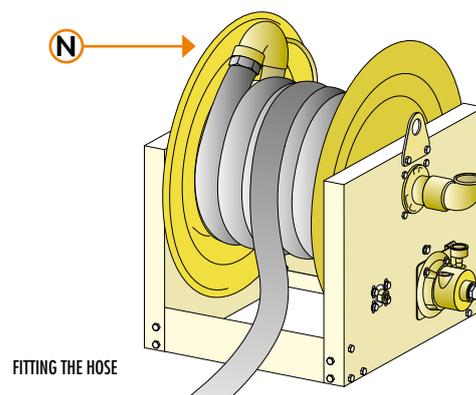
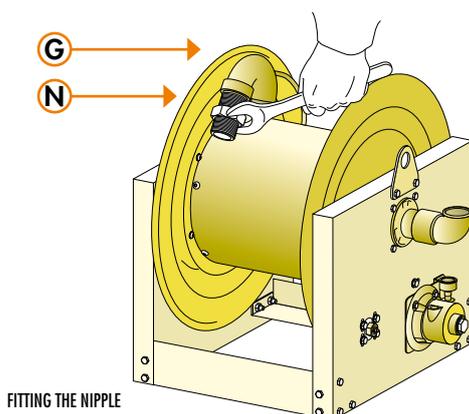
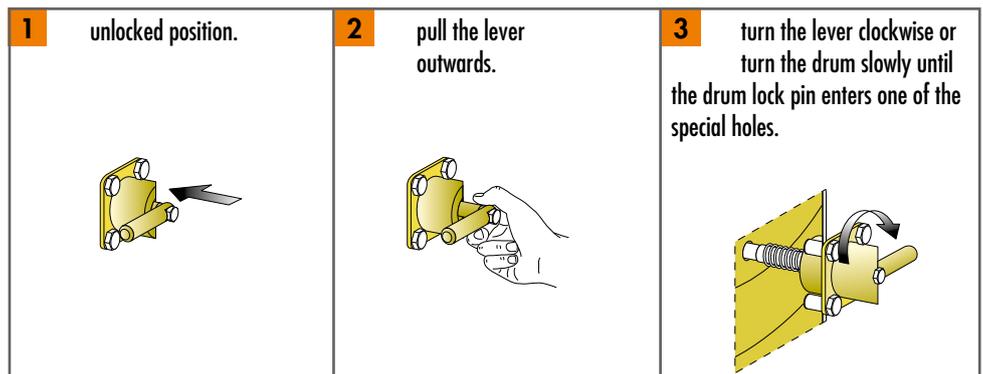
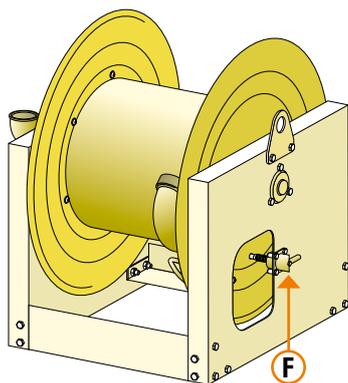


Fitting the hose

Before fitting, make sure the hose reel drum is locked by means of the special brake **F** (see procedures 1 - 2 - 3).

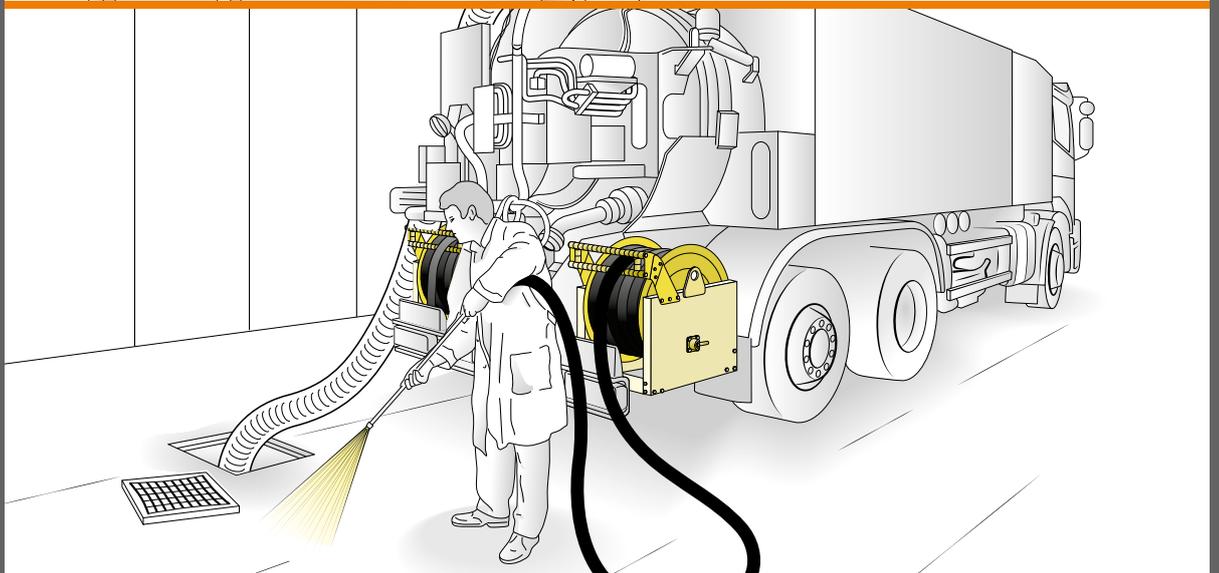
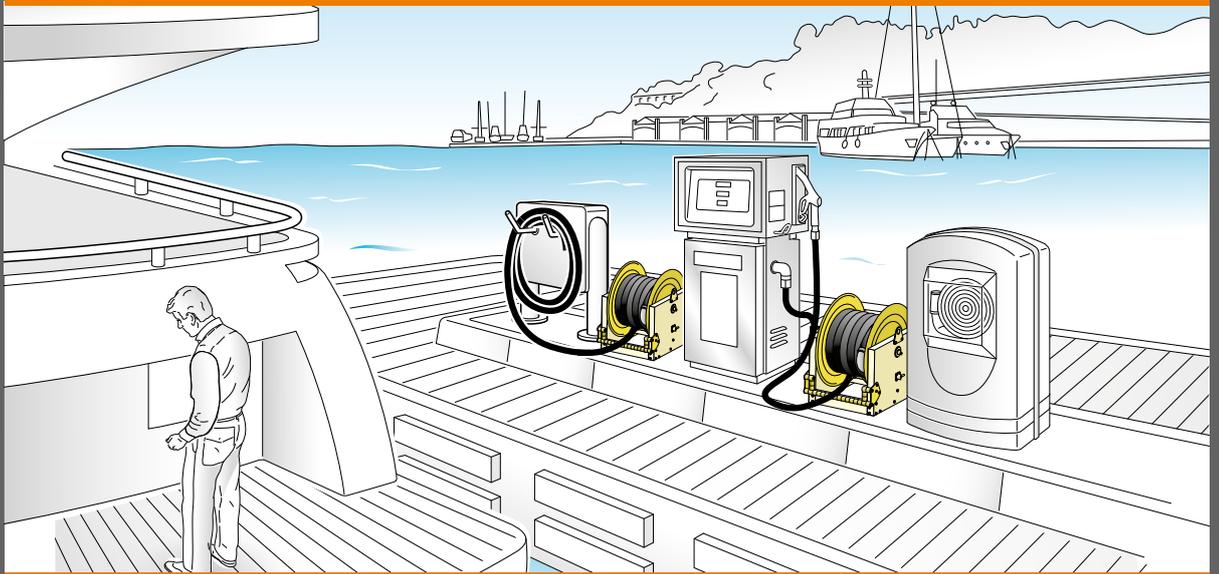
Screw a Nipple **N** on the outlet elbow **G**, with sealant.

Fit the hose on the Nipple **N**.



EXAMPLES OF USE

ECODORA has created a wide range of industrial hose reels to meet the most complex needs in various application sectors such as: **industry, agriculture, depots and refineries, mining, aviation, shipyards, fire brigades, automotive, etc.**





Ecodora S.r.l.
Vicenza - Italy
tel. +39 0424 570891
fax +39 0424 571354
www.ecodora.com
info@ecodora.com

€ Made in Italy