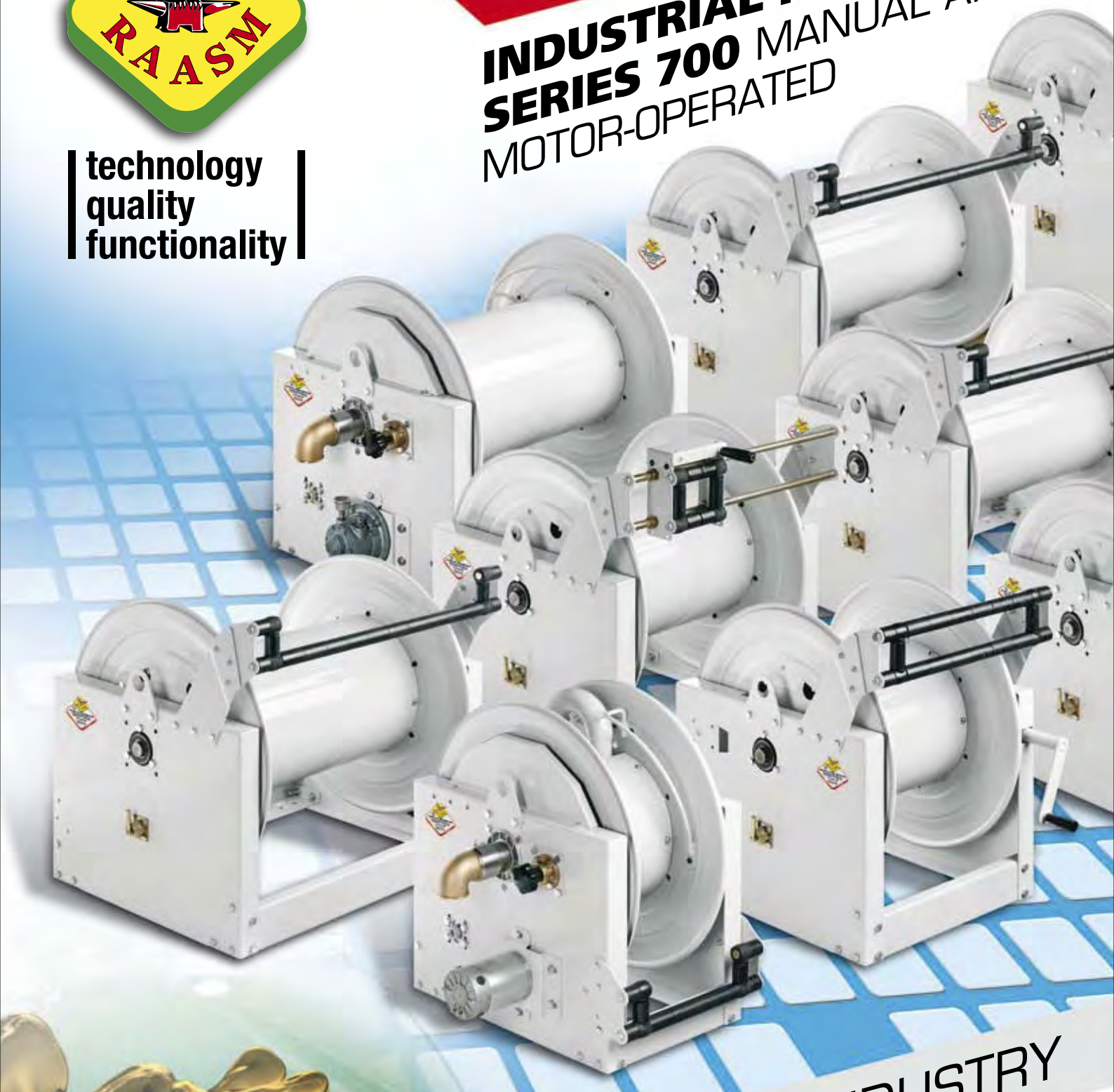
technology
quality
functionality

INDUSTRIAL HOSE REELS SERIES 700 MANUAL AND MOTOR-OPERATED



INDISPENSABLE FOR INDUSTRY

CE **Made in Italy**
DESIGNED AND MANUFACTURED
AT **RAASM - ITALY**

No. 219/700
1st April 2011

SERIES 700 MANUAL AND MOTOR-OPERATED

PAINTED STEEL

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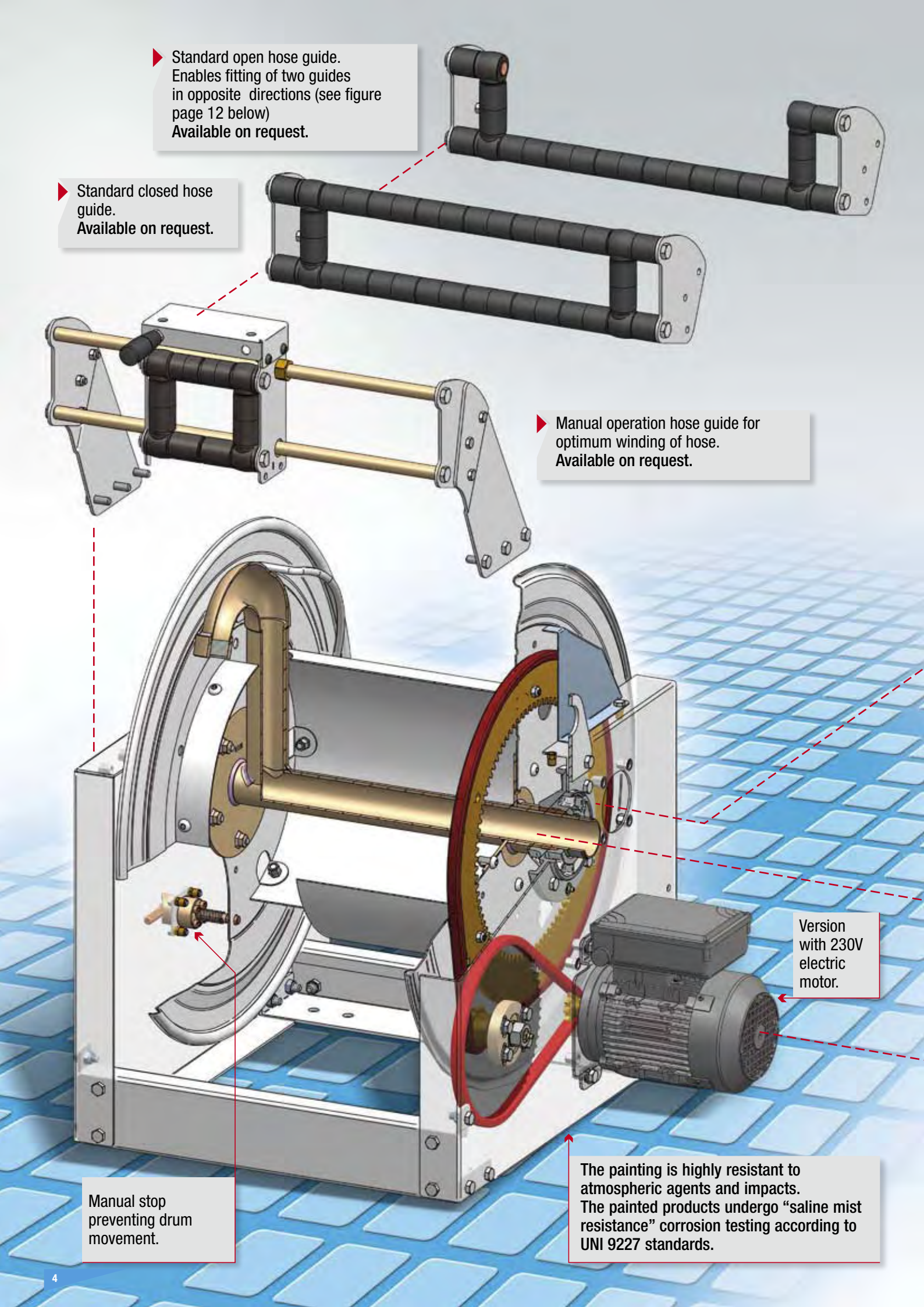
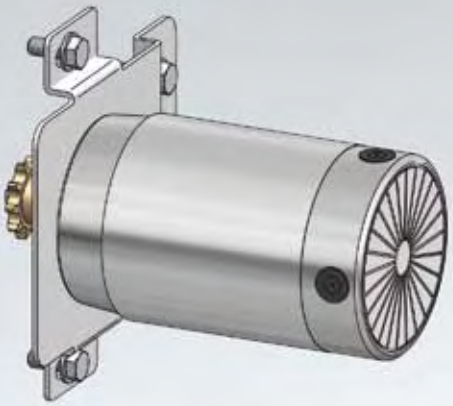

Standard open hose guide.
Enables fitting of two guides
in opposite directions (see figure
page 12 below)
Available on request.
Standard closed hose
guide.
Available on request.
Manual operation hose guide for
optimum winding of hose.
Available on request.
Version
with 230V
electric
motor.
Manual stop
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

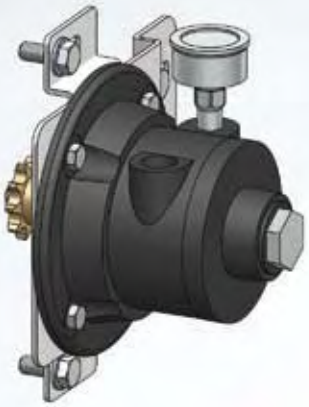
The exploded view below enables easy identification of the main parts making up the industrial hose reel, at the same time indicating the technical features.
As well as being **available with drum in 4 different widths,** the various hose reel models differ for:
- **type of motorisation** (manual, 24V 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.



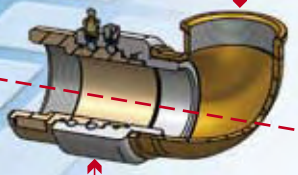
Version with 24V electric motor.

Adjustable clutch for correct hose unwinding.
Available on request.



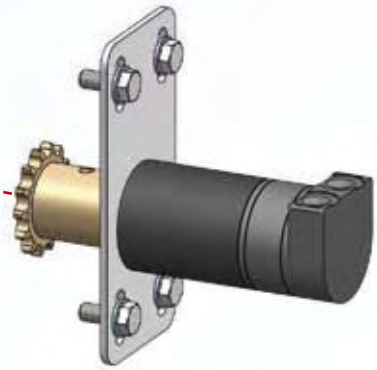
Version with pneumatic motor.

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

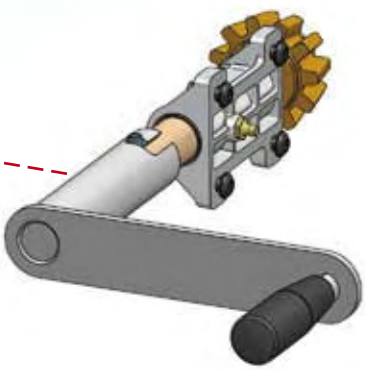


Aluminium 20 bar.

Steel 70 bar.



Version with hydraulic motor.



Version with handle connected to the rack.

SERIES 700 MANUAL
PAINTED STEEL

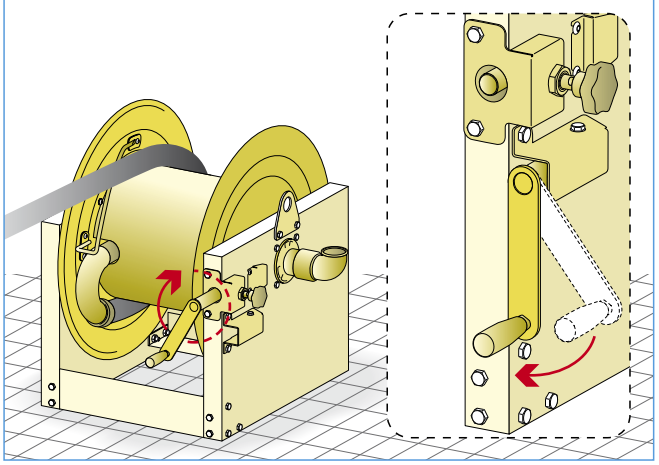
The manual hose reels are a handy and easy answer to the problem of hose management. Given their simple operation, they are practically maintenance free.

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	Connection outlet
20 bar Air - Water Diesel fuel - swivel joint **aluminium** - seals in **"viton"**	7721001.100	7741001.100	7751001.100	7771001.100	2"	2"
70 bar Oil and allied products - swivel joint in **carbon steel** - seals in **"viton"**	7721001.400	7741001.400	7751001.400	7771001.400	2"	2"

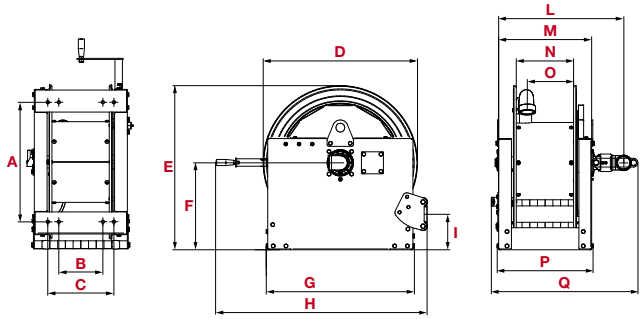
DRUM CAPACITY					
Ø HOSE	Ø HOSE EXT.	L270	L410	L550	L690
3/8"	17	200 m	300 m	410 m	530 m
1/2"	20	150 m	220 m	300 m	410 m
3/4"	27	80 m	140 m	200 m	250 m
1"	35	50 m	80 m	110 m	140 m
1.1/4"	43	35 m	50 m	65 m	85 m
1.1/2"	50	20 m	45 m	65 m	80 m
2"	63	13 m	25 m	35 m	45 m

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.**



OVERALL DIMENSIONS

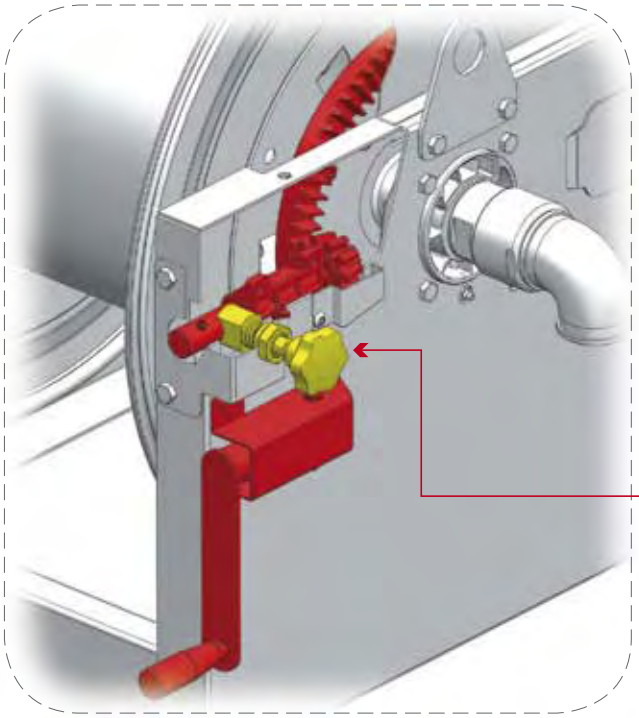


Art.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	1-m³	Kg
L 270	542	200	300	700	760	410	672	920	160	570	422	260	210	435	640	0,53	85
L 410	542	340	440	700	760	410	672	920	160	712	562	398	350	575	735	0,63	96
L 550	542	480	580	700	760	410	672	920	160	850	705	538	490	717	875	0,73	103
L 690	542	620	720	700	760	410	672	920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

Technical characteristics
handle - clutch

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.

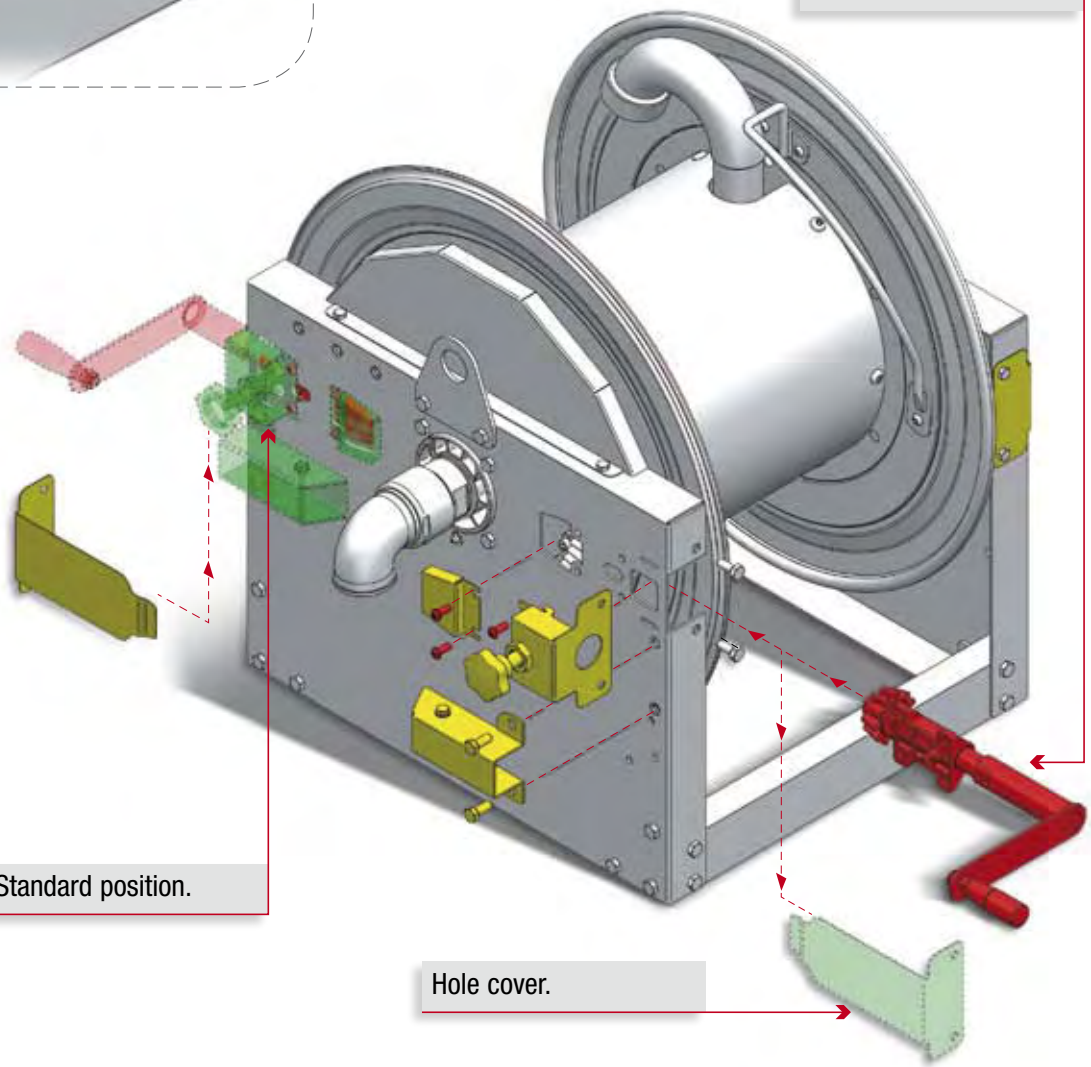


The clutch in POM, which acts on the handle (to be used only during unwinding), creates the necessary friction on the pinion, for regulating hose unwinding speed.

New position.

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.



Standard position.

Hole cover.

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	Connection outlet
20 bar Air - Water Diesel fuel - swivel joint **aluminium** - seals in **"viton"**	7721301.100	7741301.100	7751301.100	7771301.100	2"	2"
70 bar Oil and allied products - swivel joint in **carbon steel** - seals in **"viton"**	7721301.400	7741301.400	7751301.400	7771301.400	2"	2"

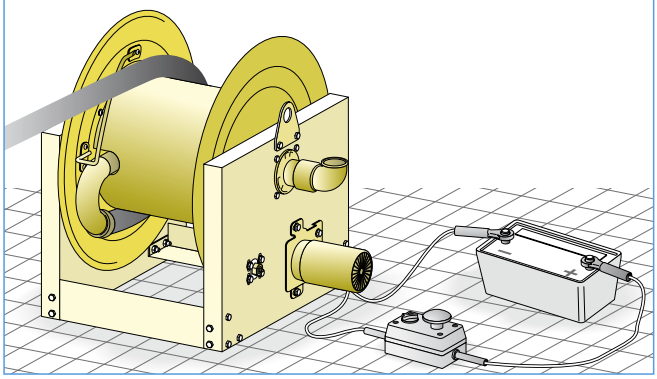
DRUM CAPACITY					
Ø HOSE	Ø HOSE EXT.	L270	L410	L550	L690
3/8"	17	200 m	300 m	410 m	530 m
1/2"	20	150 m	220 m	300 m	410 m
3/4"	27	80 m	140 m	200 m	250 m
1"	35	50 m	80 m	110 m	140 m
1.1/4"	43	35 m	50 m	65 m	85 m
1.1/2"	50	20 m	45 m	65 m	80 m
2"	63	13 m	25 m	35 m	45 m

24V electric hose reel power supply

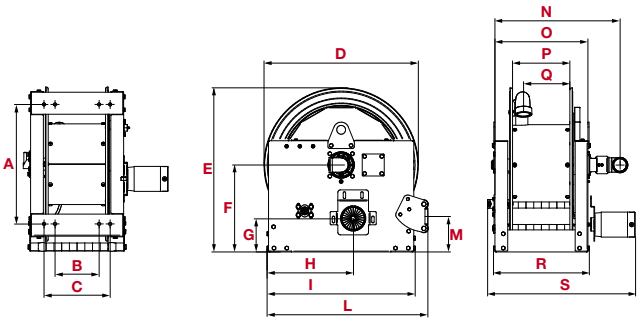
The 24V motor can be connected to a battery or a current transformer connected to the 230V mains. An On/Off switch must be installed between the power supply and the hose reel.

24V DC MOTOR, 300W POWER

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



OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m³	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

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.

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	Connection outlet
20 bar Air - Water Diesel fuel - swivel joint **aluminium** - seals in **"viton"**	7721601.100	7741601.100	7751601.100	7771601.100	2"	2"
70 bar Oil and allied products - swivel joint in **carbon steel** - seals in **"viton"**	7721601.400	7741601.400	7751601.400	7771601.400	2"	2"

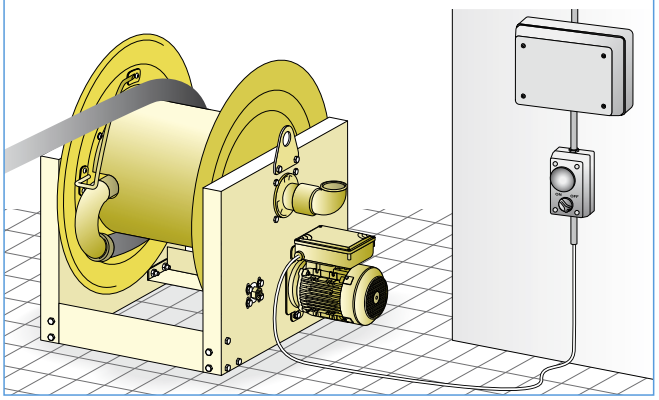
DRUM CAPACITY					
Ø HOSE	Ø HOSE EXT.	L270	L410	L550	L690
3/8"	17	200 m	300 m	410 m	530 m
1/2"	20	150 m	220 m	300 m	410 m
3/4"	27	80 m	140 m	200 m	250 m
1"	35	50 m	80 m	110 m	140 m
1.1/4"	43	35 m	50 m	65 m	85 m
1.1/2"	50	20 m	45 m	65 m	80 m
2"	63	13 m	25 m	35 m	45 m

230V electric hose reel power supply

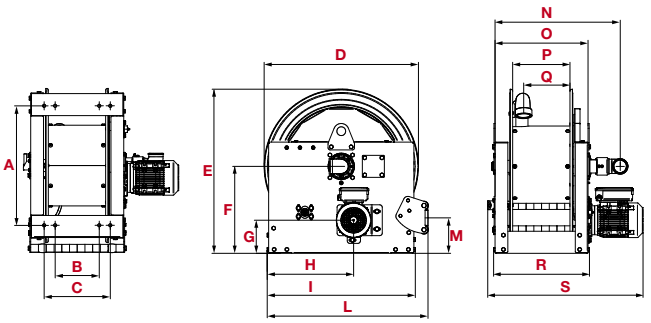
The On/Off push button must be installed **between the electric motor and 230V power supply.** An internal reduction unit allows the hose to be correctly wound on the drum.

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.



OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m³	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.

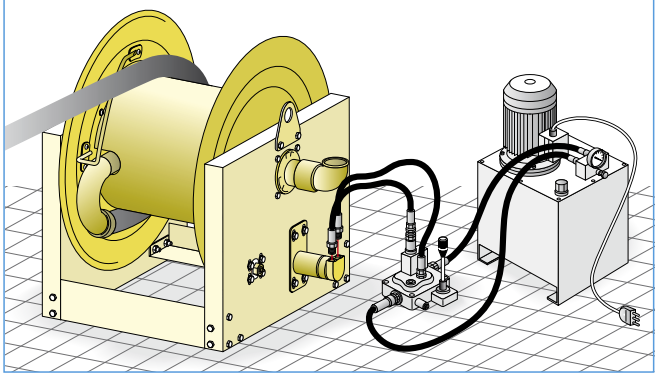
Note: All the hose reels in the table are without hose	width 270 mm	width 410 mm	width 550 mm	width 690 mm	Connection inlet	Connection outlet
20 bar Air - Water Diesel fuel - swivel joint **aluminium** - seals in **"viton"**	7721801.100	7741801.100	7751801.100	7771801.100	2"	2"
70 bar Oil and allied products - swivel joint in **carbon steel** - seals in **"viton"**	7721801.400	7741801.400	7751801.400	7771801.400	2"	2"

DRUM CAPACITY					
Ø HOSE	Ø HOSE EXT.	L270	L410	L550	L690
3/8"	17	200 m	300 m	410 m	530 m
1/2"	20	150 m	220 m	300 m	410 m
3/4"	27	80 m	140 m	200 m	250 m
1"	35	50 m	80 m	110 m	140 m
1.1/4"	43	35 m	50 m	65 m	85 m
1.1/2"	50	20 m	45 m	65 m	80 m
2"	63	13 m	25 m	35 m	45 m

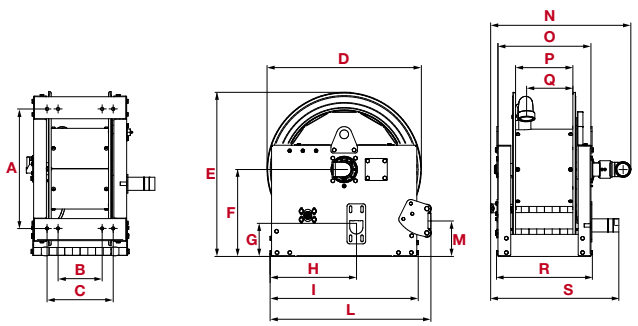
Hydraulic hose reel feed

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



Art.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m³	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.

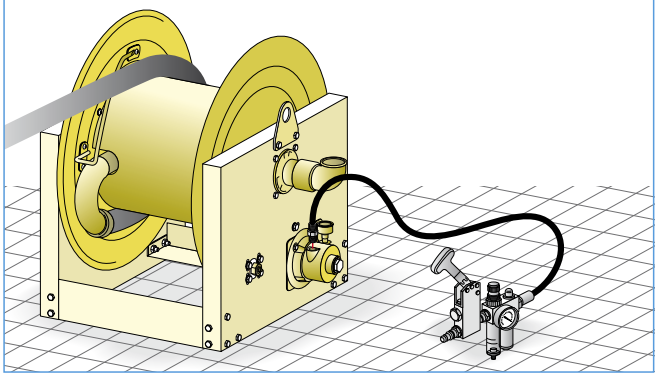
Note: All the hose reels in the table are without hose	width 270 mm	width 410 mm	width 550 mm	width 690 mm	Connection inlet	Connection outlet
20 bar Air - Water Diesel fuel - swivel joint **aluminium** - seals in **"viton"**	7721901.100	7741901.100	7751901.100	7771901.100	2"	2"
70 bar Oil and allied products - swivel joint in **carbon steel** - seals in **"viton"**	7721901.400	7741901.400	7751901.400	7771901.400	2"	2"

DRUM CAPACITY					
Ø HOSE	Ø HOSE EXT.	L270	L410	L550	L690
3/8"	17	200 m	300 m	410 m	530 m
1/2"	20	150 m	220 m	300 m	410 m
3/4"	27	80 m	140 m	200 m	250 m
1"	35	50 m	80 m	110 m	140 m
1.1/4"	43	35 m	50 m	65 m	85 m
1.1/2"	50	20 m	45 m	65 m	80 m
2"	63	13 m	25 m	35 m	45 m

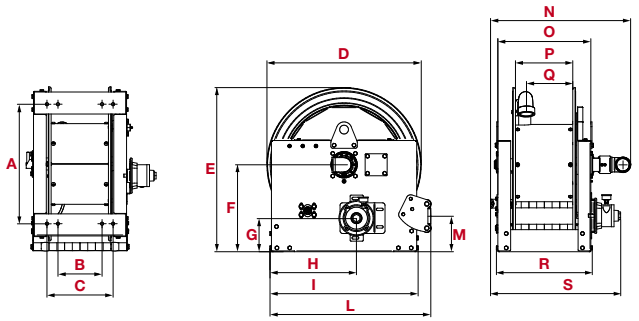
Pneumatic hose reel feed

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, OIL PRESSURE MAX. 7 BAR
FOR A CONSUMPTION OF 2000 L/MIN



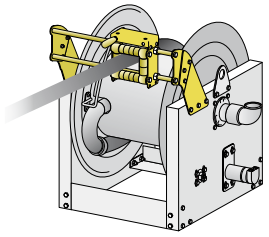
OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	1-m³	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

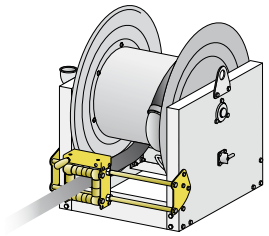
Accessories
hose guide on request

Manual operation
hose guide, high
Art. **77/22775B** for width 270 mm
Art. **77/24175B** for width 410 mm
Art. **77/25575B** for width 550 mm
Art. **77/26975B** for width 690 mm

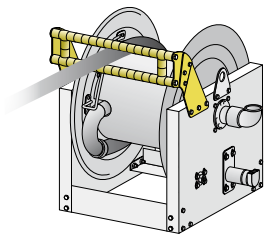


Using the special knob, the operator shifts the hose to the right or left to ensure its correct rewinding.

Manual operation
hose guide, low
Art. **77/22775** for width 270 mm
Art. **77/24175** for width 410 mm
Art. **77/25575** for width 550 mm
Art. **77/26975** for width 690 mm

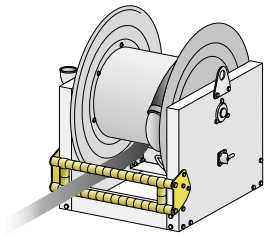


Hose guide
standard closed, high
Art. **77/12775B** for width 270 mm
Art. **77/14175B** for width 410 mm
Art. **77/15575B** for width 550 mm
Art. **77/16975B** for width 690 mm

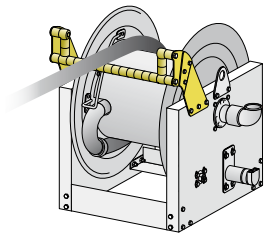


Hose guide with rollers that ensure easy sliding of the hose during unwinding and rewinding.

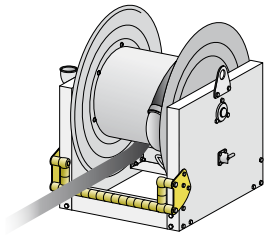
Hose guide
standard closed, low
Art. **77/12775** for width 270 mm
Art. **77/14175** for width 410 mm
Art. **77/15575** for width 550 mm
Art. **77/16975** for width 690 mm



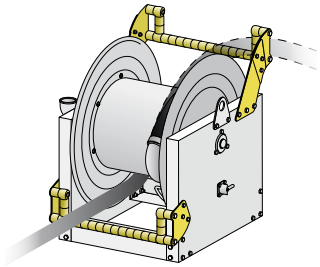
Hose guide
standard open, high
Art. **77/32775B** for width 270 mm
Art. **77/34175B** for width 410 mm
Art. **77/35575B** for width 550 mm
Art. **77/36975B** for width 690 mm



Hose guide
standard open, low
Art. **77/32775** for width 270 mm
Art. **77/34175** for width 410 mm
Art. **77/35575** for width 550 mm
Art. **77/36975** 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.



Technical characteristics
clutch on request

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

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.

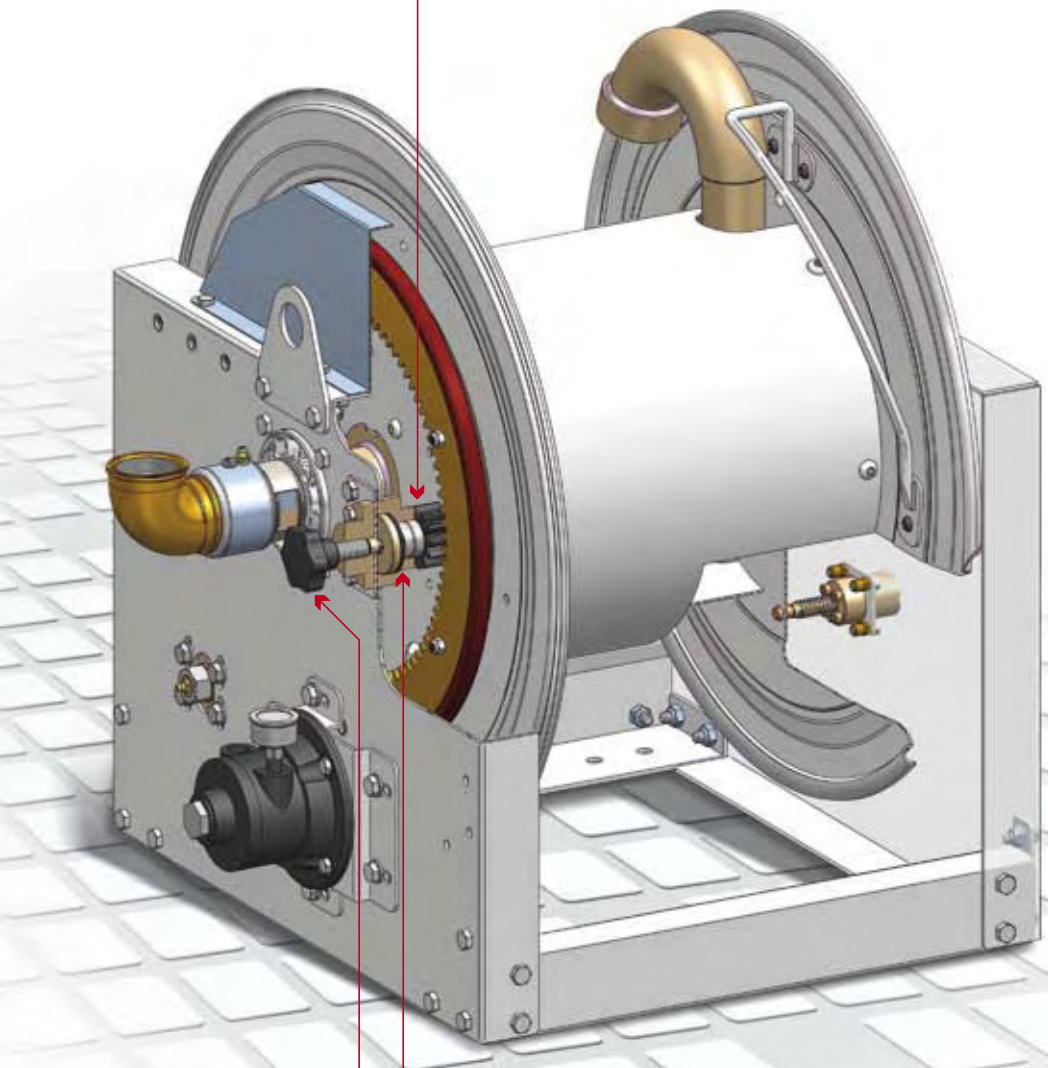
24V ELECTRIC

230V ELECTRIC

HYDRAULIC

PNEUMATIC

Connection between crown gears, on which the clutch acts.



Clutch regulating knob.

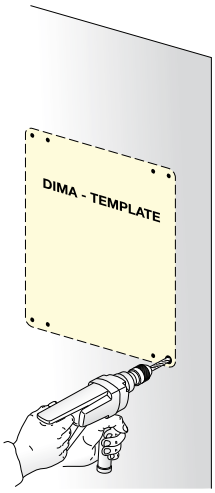
Art. **77/2F Clutch**
The clutch mounted on a freewheel bearing enables controlled unwinding of the hose, becoming neutral during rewinding.

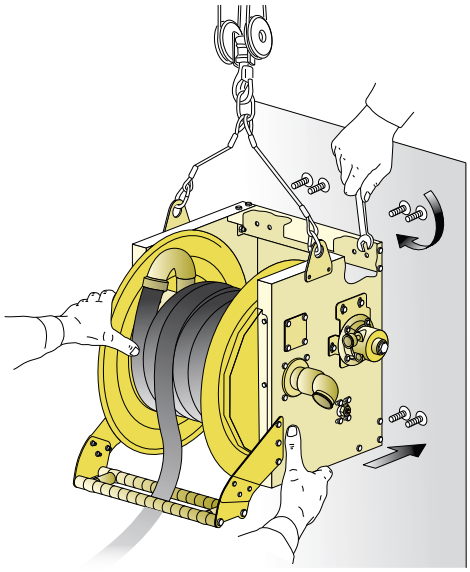
Wall mounting

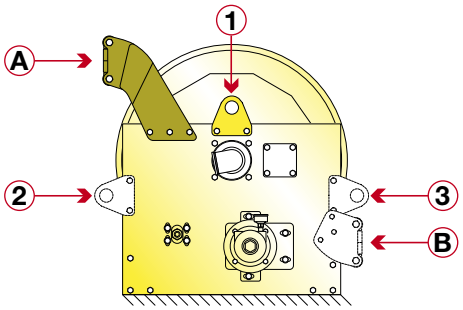
Drill the necessary holes after choosing the ideal position, checking the solidity and thickness of the wall, marking the holes for the plugs (see template supplied with the hose reel) and ensuring that they will not pierce any plumbing pipes or electrical cables. Fix the plugs in the wall and insert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





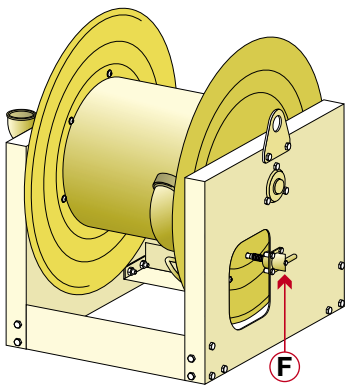


Fitting the hose

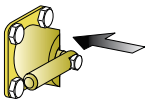
Before fitting, make sure the hose reel drum is locked by means of the special brake **F (see procedures 1 – 2 – 3).**

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

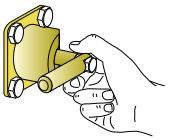
Fit the hose on the Nipple **N**.



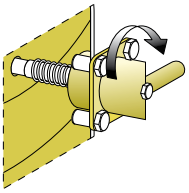
1 unlocked position.

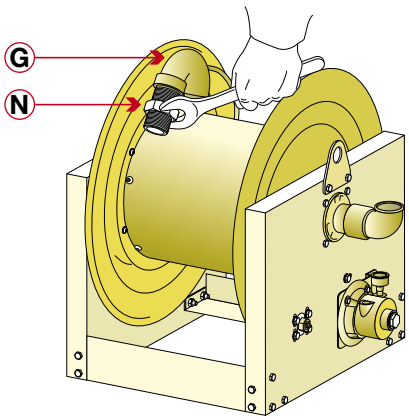


2 pull the lever outwards.

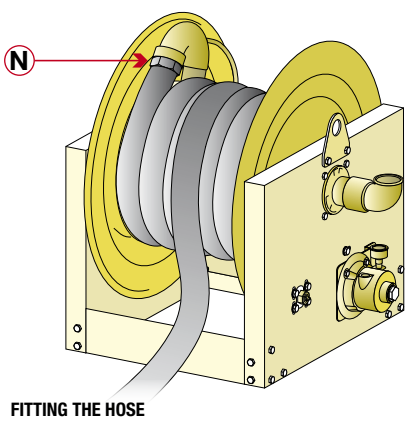


3 turn the lever clockwise or turn the drum slowly until the drum lock pin enters one of the special holes.





FITTING THE NIPPLE

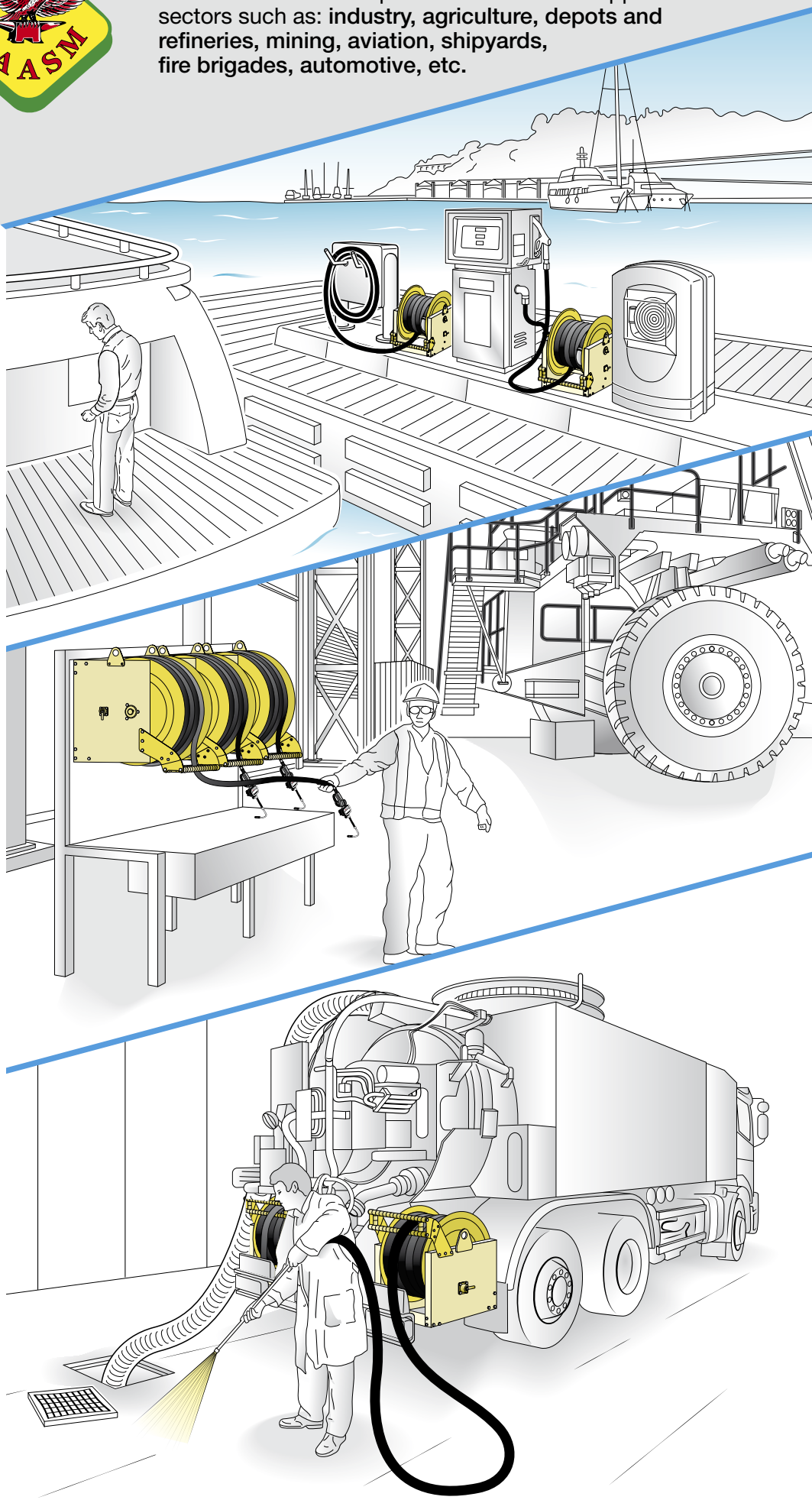


FITTING THE HOSE

RAASM 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.**

EXAMPLES
of use

industry, agricolture, depots and refineries, mining, aviation, shipyards, fire brigades, automotive, etc.



FLUIDS AND LUBRICATION EQUIPMENT

technology, quality, functionality

The starting point for the entire production cycle is the research and development of cutting-edge new solutions which lead to the development of **high quality products, fully produced in Italy.**

The quality of our product manufacturing has always been our absolute priority. To reach this goal rigorous testing accompanies every phase of the manufacturing process.

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Our aim is to always be available to provide solutions to our customers.

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