AUTOMATIC HOSE REELS

BGL - BGD - BGLD
BGLX - BGDX - BGLDX - BGLDTX

USE AND MAINTENANCE MANUAL

CE

GB

..... INDEX OF SUBJECT MATTERS .....

GB

1 - GENERAL RULES APPLIED

This manual is giving information about a correct assembly, use and maintenance of the hose reels in order to prevent accidents.
The hose reel has been designed in conformity to the present EEC rules and namely:

- UNI EN ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction;
- UNI EN ISO 13857:2008 Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs.

2 - WARRANTY

The equipment is guaranteed for a period of 18 months from date of purchase and must be used in accordance with the instructions contained in this manual. Warranty does not cover all parts which are faulty after incorrect use, incorrect installation or maintenance, maintenance carried out by unauthorized personnel, transport damages, or for circumstances not concerning manufacturing defects. The manufacturer disclaims any responsibility for any damage, that may directly or indirectly, derive to persons or property in consequence to the not observed requirements specified in this instruction manual and especially the warnings regarding installation, use and maintenance.

3 - DESCRIPTION

The hose reels are available with single (BGL-BGLX) or double spring (BGLD-BGD-BGDX-BGLDX) for rewinding the hose and can lock it at the desired length using an automatic system. The hose reels models BGL-BGD-BGLD are made of hot galvanized moulded steel and painted with electrostatic polyester powder system in order to resist to UV rays. The hose reels models BGLX-BGDX-BGLDX are made of stainless steel AISI 304 except for some parts made of nylon and aluminium. The models with distribution hose are supplied complete with the flexible hose for the connection to the system.
The hose reels supplied without hose are provided with the unloaded spring. Follow the instructions described at the chapter "HOSE ASSEMBLY".

4 - OPERATION

The automatic device stopping the hose works on an area corresponding to 1/3 turn of the drum.
To release the hose, put a light traction on it.

It is important always to keep the hose back when you rewind it, in order to avoid damages to the machine, injuries to people or to surrounding things.

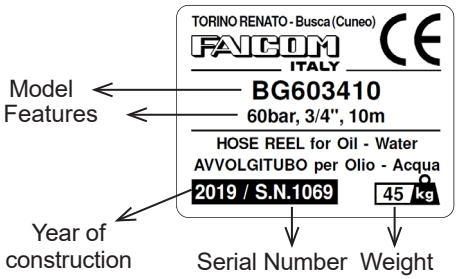
5 - INTENDED USE OF THE MACHINE

The hose reels of the painted series are suitable for distributing compressed air, diesel fuel, oil, grease, water at low and high temperature. They cannot be used with petrol, solvents, flammable or highly corrosive liquids. The hose reels inox are suitable for washing at high or low pressure (see the schedule). They are not suitable for distribution of fluid for food process but only for different kinds of washing. According to the EEC rules these hose reels have not to be placed in areas where they might be in contact with food products.
All the hose reels have to be used only for distributing fluids, at the pressures and temperatures indicated on the schedule. Every hose reel code is corresponding to a different kind of fluid. **It is forbidden to use the machine for any other kind of fluid.**
We decline any responsibility for anomalies or dangers which could arise by a hose assembly with characteristics and uses different from the ones described herein. Avoid to get on the machine or to lay any kind of material on it. Check periodically the correct operation of the hose reel, and control that the couplers are well locked and there are no fluid losses. Close the feeding of fluid at the shift end to avoid damages during non-working hours.
On request can be supplied in accordance with the Directive ATEX 2014/34/EU with the marking

II 2G h IIB T6 ... T4 Gb -20°C ≤ Ta ≤ +65°C
II 2D h IIIB 20°C ... 135°C Db -20°C ≤ Ta ≤ +65°C

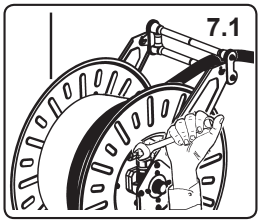
for their use in potentially explosive atmospheres.

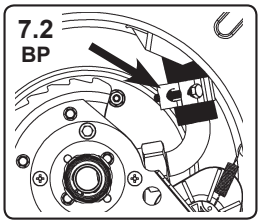
6 - MARKING AND IDENTIFICATION

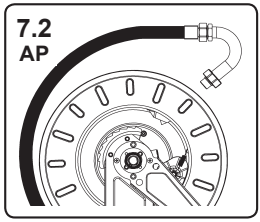


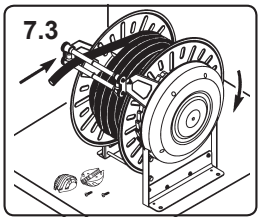
We affix the CE marking as the manufacturer of this equipment.
On the equipment is securely attached a tag with curing adhesive system on which are indicated in addition to the name of the manufacturer and the symbol "CE", all information necessary for good identification of the machine (model, duty, year of construction, weight, etc.).

7 - MOUNTING OF THE HOSE (Models without hose)





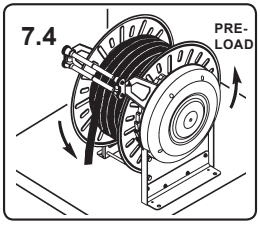


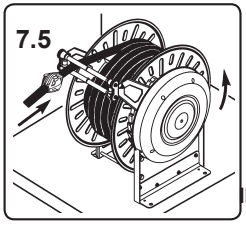


The hose reels without hose are supplied with the unloaded spring.
Use a hose with dimension and pressure characteristics suitable for use according to the hose reel model.
Normally, the hoses must be connected Female Straight Gas, except for those to be used for the following fluids which must have these characteristics:

-Diesel fuel: *antistatic hose (R<1 mΩ/m). Hose without fitting.*
-Urea / Cold water: *Hose without fitting.*
-Oil (3/4"): *EN857 1SC hose with fitting F.90° 3/4"G.*
-Oil (1"): *EN857 1SC hose with fitting F.S.1"G.*
-Water 400bar (1/2"): *EN857 2SC hose with fitting F.90° 1/2"G.*

7.0) Fix the hose reel to the bench and remove plastic protection.
7.1) For models with hose with fittings F.D. - F.90: Put the hose between the guide rollers, connect it to the fitting which is inside the drum and tighten by the suitable wrench.
7.2) Models Low Pressure 3/4"-1"(BP): Fix the hose clamp and adjust it so that during rotation the hose reel is free to turn. Models High Pressure 1"(AP): connect the hose (A) to the curve, tightening with the suitable wrench. Tighten the nut (B) on the connection of the drum.
7.3) Mount the lateral protection and rotate manually the drum in order to rewind completely the hose.
7.4) Spring Preload: hold the hose-end and rotate the drum in the opposite direction for a few laps, refer to the tables p.41-42.
7.5) Insert the hose-end between the guide rollers and put the hose rubber stopper at the desired length.
7.6) Unwind the hose and rewind it completely, to check if the hose reel works properly.





**WARNING!
DO NOT PUT HANDS OR ANY OTHER THING INSIDE THE DRUM!**

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8 - INSTALLATION

IMPORTANT! Any installation operation shall be carried out by a suitably trained staff, following carefully the information given in this manual.

Check the packaging at the reception of the goods and store only at a dry place. Verify that the device has not been damaged during transport or storage operations. Make sure you receive all the components. Ask the manufacturer for any possible missing component.

The hose reel has to be wall mounted at a minimum height of the floor of 2.50 m in order to prevent accidents during work operations. Considering the hose reel weight and dimensions, its movement requires the use of lifter devices.In particular cases it is possible to mount it on the floor or on other machines as accessory, only if complete with a fixed support. The hose-guide arms can be fixed in three different positions according to the hose reel installation (see pictures A-B-C page 43). IMPORTANT! Models **BGLD600125 - BGLD(X)600125ST - BGLDTX600140ST (1")** only allow the installation on positions A - B.

Mount the hose reel already complete with hose on stiff and consistent walls, using 4 dowels of 10 mm diameter. The assembly with the revolving stand (optional) shall be carried out using two dowels of 10 mm diameter.

WARNING! The manufacturer declines any responsibility for injuries to people or damages to things caused by a wrong assembly of the hose reel.

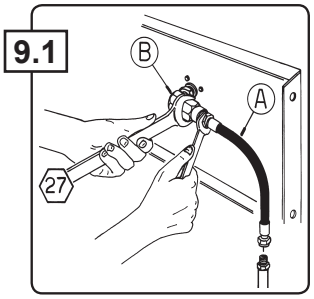
9 - LINK

Always connect the hose reel to the line by the couplers and the flexible hose (A) suitable for this use, above all in case of high pressure and temperature.

To avoid consequent loss of fluid tighten the fittings using appropriate keys, keep back the swivel joints to avoid damaging them.

According to the rules, put a ball-tap on the feeding line of the hose reels in order to make the maintenance operations easier. The said ball-tap can be used as a safety valve for dangerous situations.

The connection hose is supplied as standard for models with swivel joint in composite materials.

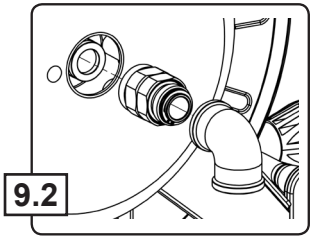


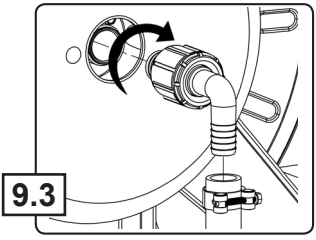
9.1) **Air/Water/Oil:** Tighten the swivel joint on the shaft, fit the inlet hose and the lateral cover.

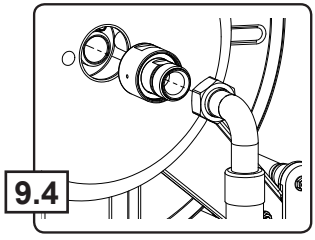
9.2) **Diesel fuel/Water 90°C (3/4"-1"):** Tighten the swivel joint on the shaft, fit the lateral cover and tighten the elbow on the swivel joint using a suitable sealant.

9.3) **Urea/Water 50°C (3/4"-1"):** Mount the lateral cover and hand-tighten the swivel joint, insert the hose into the hose connector and fix it with the clamp.
IMPORTANT: Do not use sealants.

9.3) **Oil (3/4"-1"):** Tighten the swivel joint on the hub, fit the lateral cover and tighten the elbow 90° on the swivel joint.







10 - MAINTENANCE

IMPORTANT: Any maintenance operation shall be carried out by a suitably trained staff, following carefully the information given in this manual. Ensure that there is no tension in the spring before starting any operations inside the hose reel.

Always close the feeding of fluid to the machine before carrying out any maintenance on it. Replace the flexible hose as soon as it shows any sign of wear and tear or of deterioration due to the different conditions of the labour environment. We advise you to replace it every year in case it is used for a few hours a week.
Replace the seal inside the revolving joint in case of losses due to wear and tear. Any replacement of hose reel parts has to be done using original spare parts (see the spare parts list). We advise you to contact the manufacturer for any possible anomaly and before replacing any part. After every maintenance operation, put again the eventual supports.

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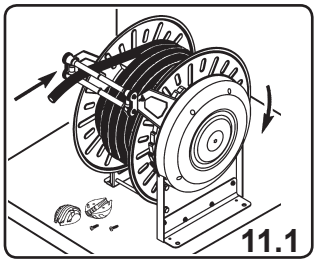
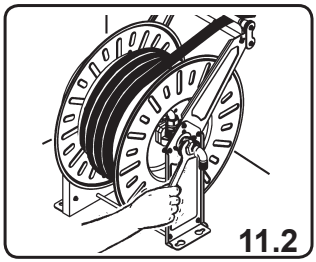
11 - REPLACEMENT OF THE HOSE

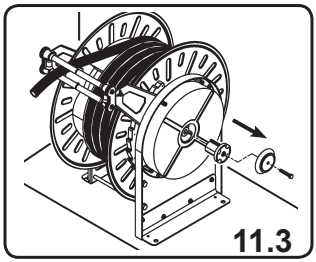
WARNING! For safety reasons, operations of hose replacement must be carried out at the bench.

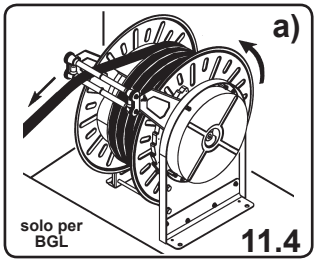
Replace the hose with another one of the same dimensions and characteristics.

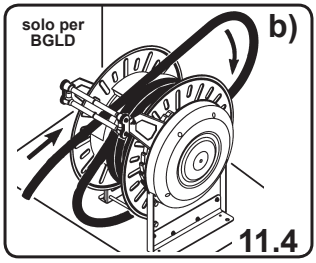
11.1) Remove the hose rubber stopper and release the hose slowly until the spring is completely unloaded.
11.2) Loosen the swivel joint and remove the plastic cover.
11.3) After removing the plastic cover, loosen the screw M8x50 and remove the spring likage shaft.
11.4a) For mod. BGL grasp the end of the hose and pulling empty the drum.
11.4b) For mod. BGLD remove the hose manually by sliding it a turn at a time, without turning the drum.
11.5) Unscrew the internal fitting with the suitable wrench and mount the new hose.
11.6) Assemble again the hose reel, by following the above steps in reverse order. If that is the case, grease the supports and the ratchet hook.
11.7) Go on as indicated at point 7.2 of the chapter: Mounting of the hose.

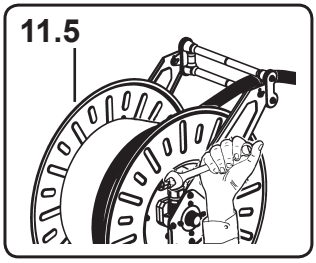












12 - REPLACEMENT OF THE SPRING FOR MOD. BGL

The spring that allows the return of the hose in the BGL model is placed to 'inside of a special casing which is integral with the widest side wall (cod.0280).

WARNING! The disassembly of the spring is only permitted to the staff authorized and suitably trained by the manufacturer. Handle with the greatest care the spring; serious accidents might occur.

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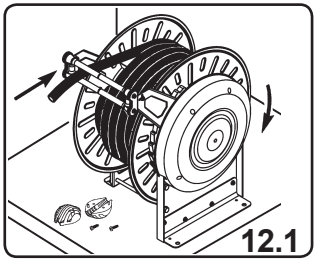
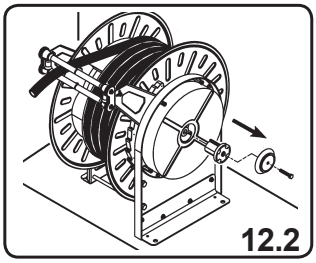


12.1) Remove the hose rubber stopper and release the hose slowly until the spring is completely unloaded.

12.2) After removing the plastic cover, loosen the screw M8x50 and remove the spring likage shaft.

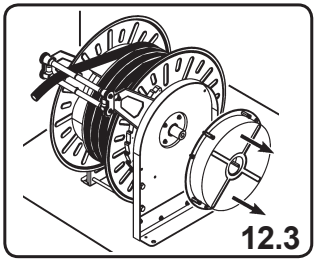
12.3) Unscrew the 8 M6 screws and take out the spring housing centre, paying the greatest care so that the spring does not go out of it.



12.4) Insert and update the hub in the new spring pack. Grease the spring and the hub.

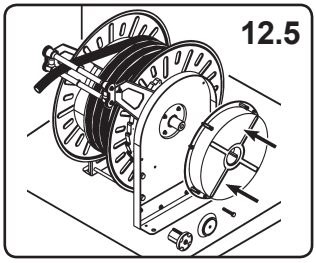
12.5) Enter the new spring pack very carefully and fasten all 8 M6 screws into place.

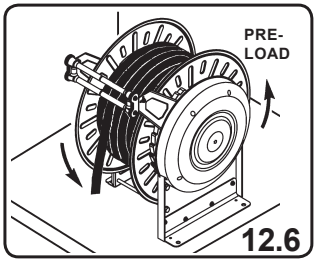
12.6) Spring Preload: hold the hose-end and rotate the drum in the opposite direction for a few laps, refer to the tables p.41-42.

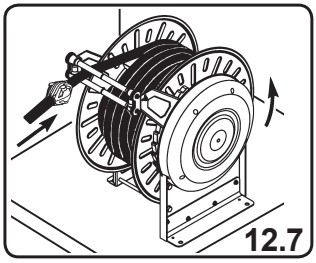


12.7) Insert the hose-end between the guide rollers and put the hose rubber stopper at the desired length.

12.8) Unwind the hose and rewind it completely, to check if the hose reel works properly.







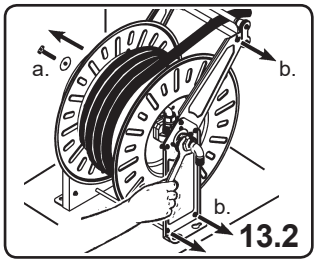
13 - REPLACEMENT OF THE SPRING FOR MOD. BGD - BGLD

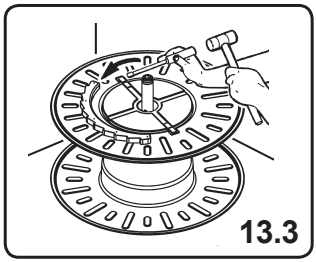
The hose reels model BGD-BGLD and are equipped with two springs that allow the return of the hose, both placed inside a special casing. The first is integral with the widest side wall (cod.0280), while the second is placed inside the drum.

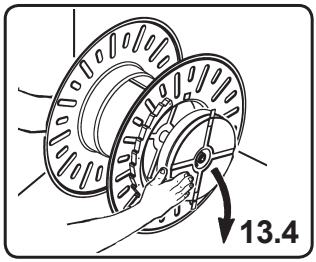
WARNING! The disassembly of the spring is only permitted to the staff authorized and suitably trained by the manufacturer. Handle with the greatest care the spring; serious accidents might occur.

SPRING CHANGE INSIDE THE DRUM

13.1) Make sure that the rewinding system is totally unloaded and that the drum is free (see point 12.1)
13.2) Unscrew the swivel coupling and remove both guards. Unscrew the M8x30 screw (a) on the side of the spring. Unscrew the three M6 nuts (b) to remove the side and arm.
13.3) Pull out the drum and place it on a bench. Lift the tabs on the drum with a screwdriver and turn the cover of the spring holder making sure to release it.
13.4) Turn the drum and remove the spring holder housing being careful not to spill the latter by spring.
13.5) Set up the drum and insert the new spring pack very carefully. Lock tabs.



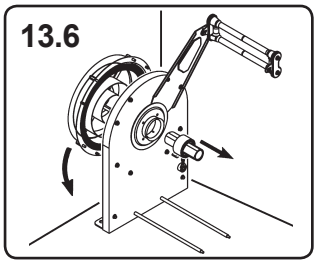


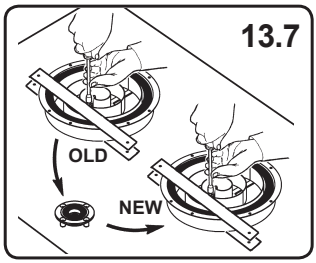


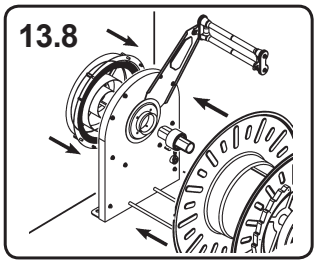
SPRING CHANGE ON THE EXTERNAL SIDE

Follow the instructions to the point 13.3.

13.6) Pull the hub spring coupling. Afterwards, unscrew the 8 M6 screws to remove the cover-holder, being careful not to spill the latter by spring.
13.7) For additional security put the spring on the counter and block the leaking of the tape, then unscrew by a screwdriver from inside the four screws that secure the bearing support. Reassemble the latter on the new spring.
13.8) Assemble again the hose reel, by following the above steps in reverse order. If that is the case, grease the supports and the ratchet hook.
13.9) Go on as indicated at point 7.3 of the chapter: Replacement of the spring for Mod. BGL.







14 - DISPOSING OF CONTAMINATED MATERIALS

In case of maintenance or demolition of the machine, the parts that make it up must be sent to companies that specialize in the disposal and recycling of industrial refuse and, in particular:

DISPOSAL OF PACKING MATERIAL

The packaging consists of biodegradable cardboard which can be delivered to companies for normal recycling of cellulose.

DISPOSAL OF METAL COMPONENTS

Metal parts, whether paint-finished or in stainless steel, can be consigned to scrap metal collectors.

DISPOSAL OF OTHER PARTS:

Other components, such as hoses, rubber gaskets and plastic parts, must be disposed of by companies specialising in the disposal of industrial waste.

15 - DECLARATION OF CE CONFORMITY

hereby states under its own responsibility that the hose reels model

BGL - BGD - BGLD
BGLX - BGDX - BGLDX

serie: refer to Serial Number (S.N.) shown on the label affixed to the product
year of production: refer to the year of production shown on the label affixed to the product

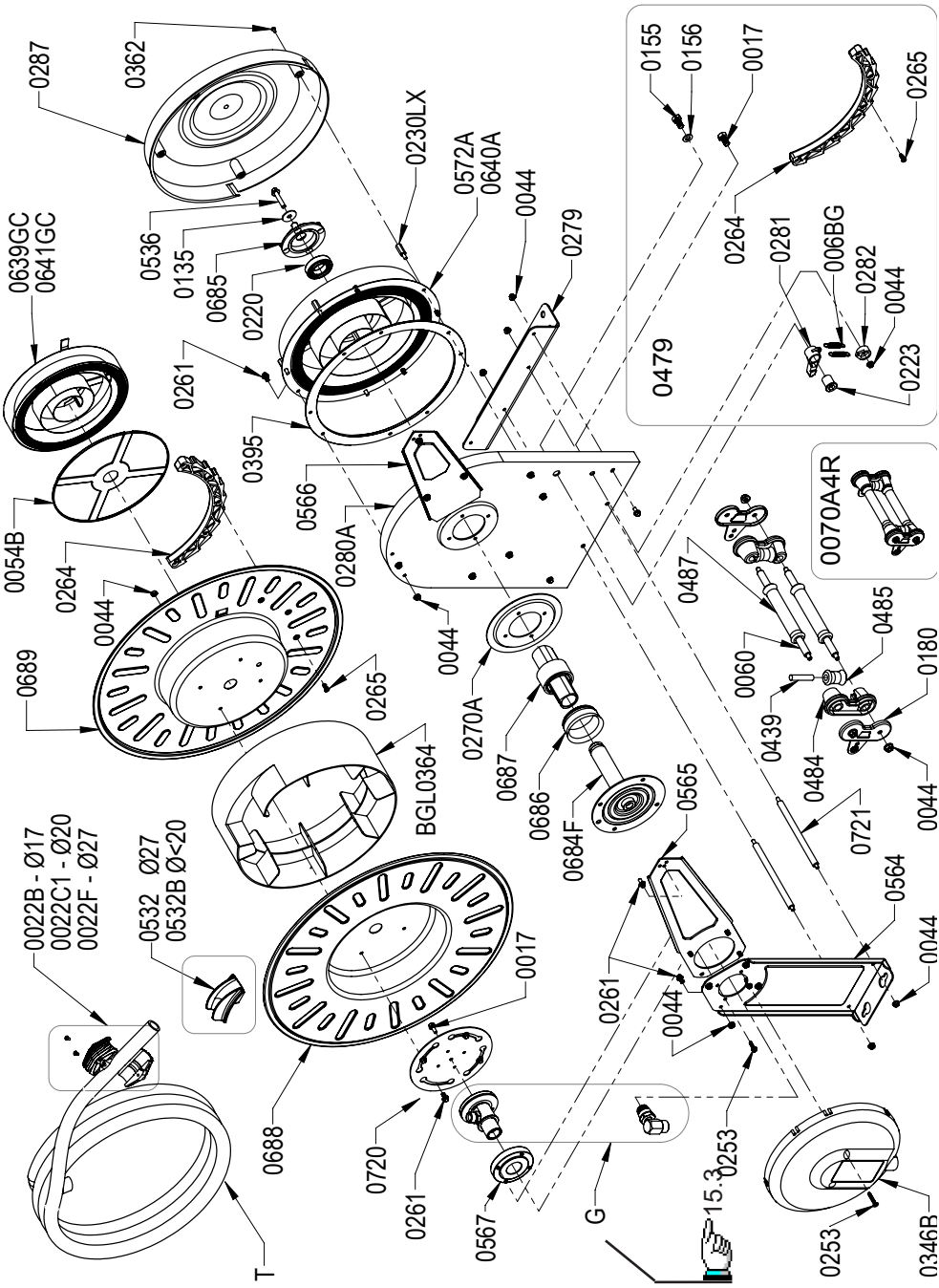
are in conformity with the Machinery directive 2006/42/CE

Besides, the following harmonized rules have been applied:
- UNI EN ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction;
- UNI EN ISO 13857:2008 Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs.

ENCLOSURES:
- SPARE PARTS
- TECHNICAL DATA

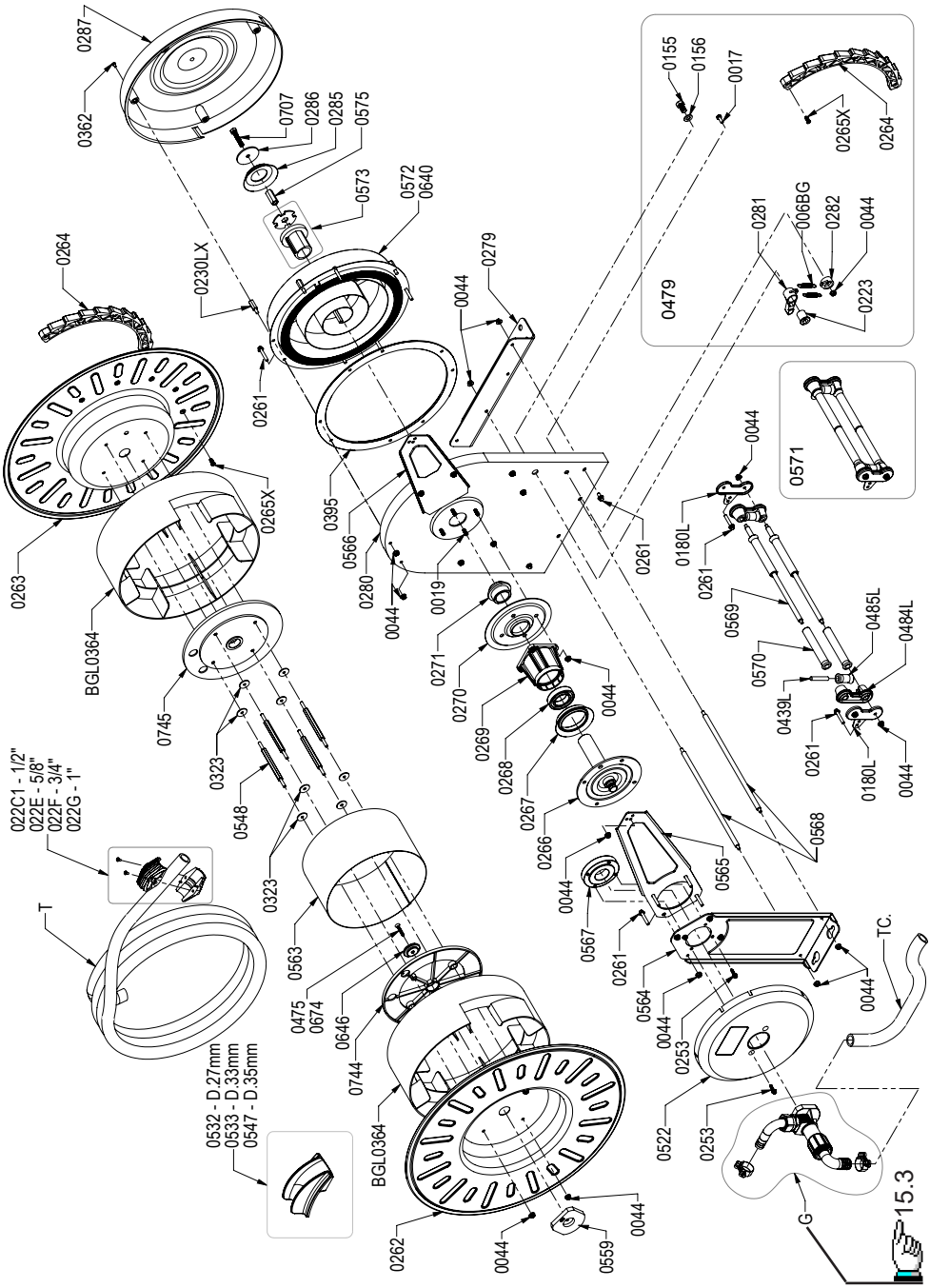
16.1 SPARE PARTS

Models
BGD - BGDX



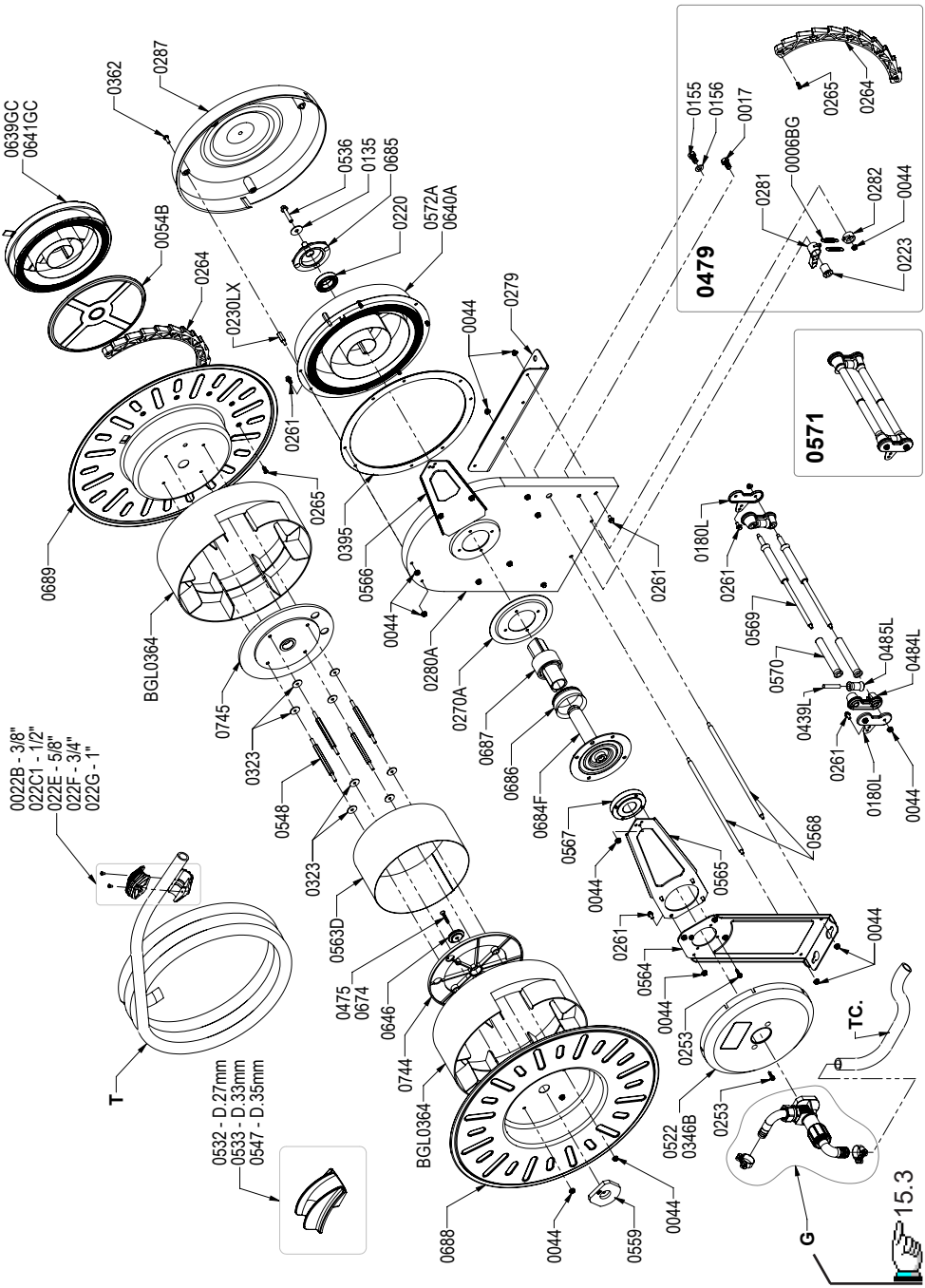
16.2 SPARE PARTS

Models
BGL - BGLX



16.3 SPARE PARTS

Models BGLD - BGLDX - BGLDTX

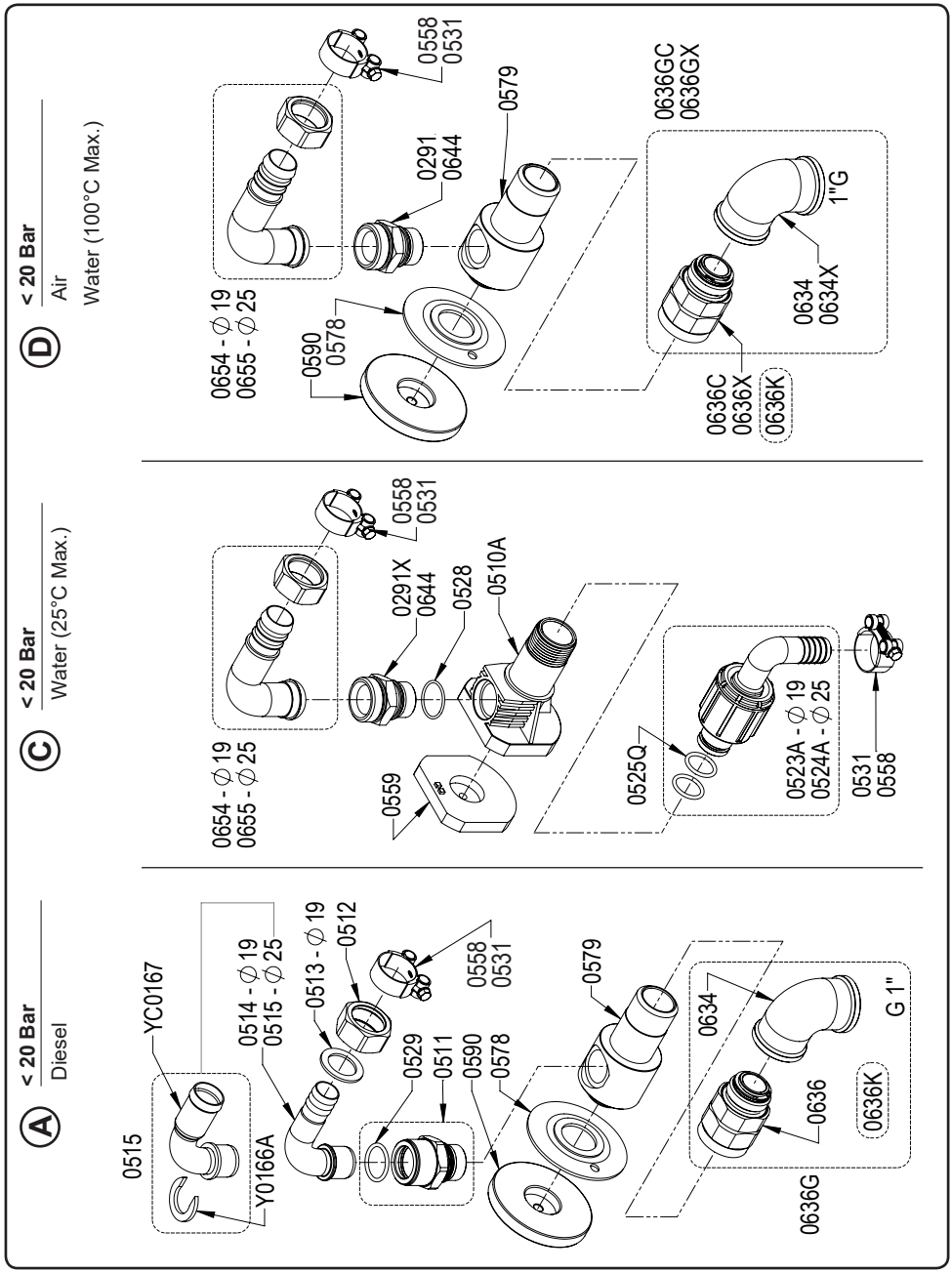


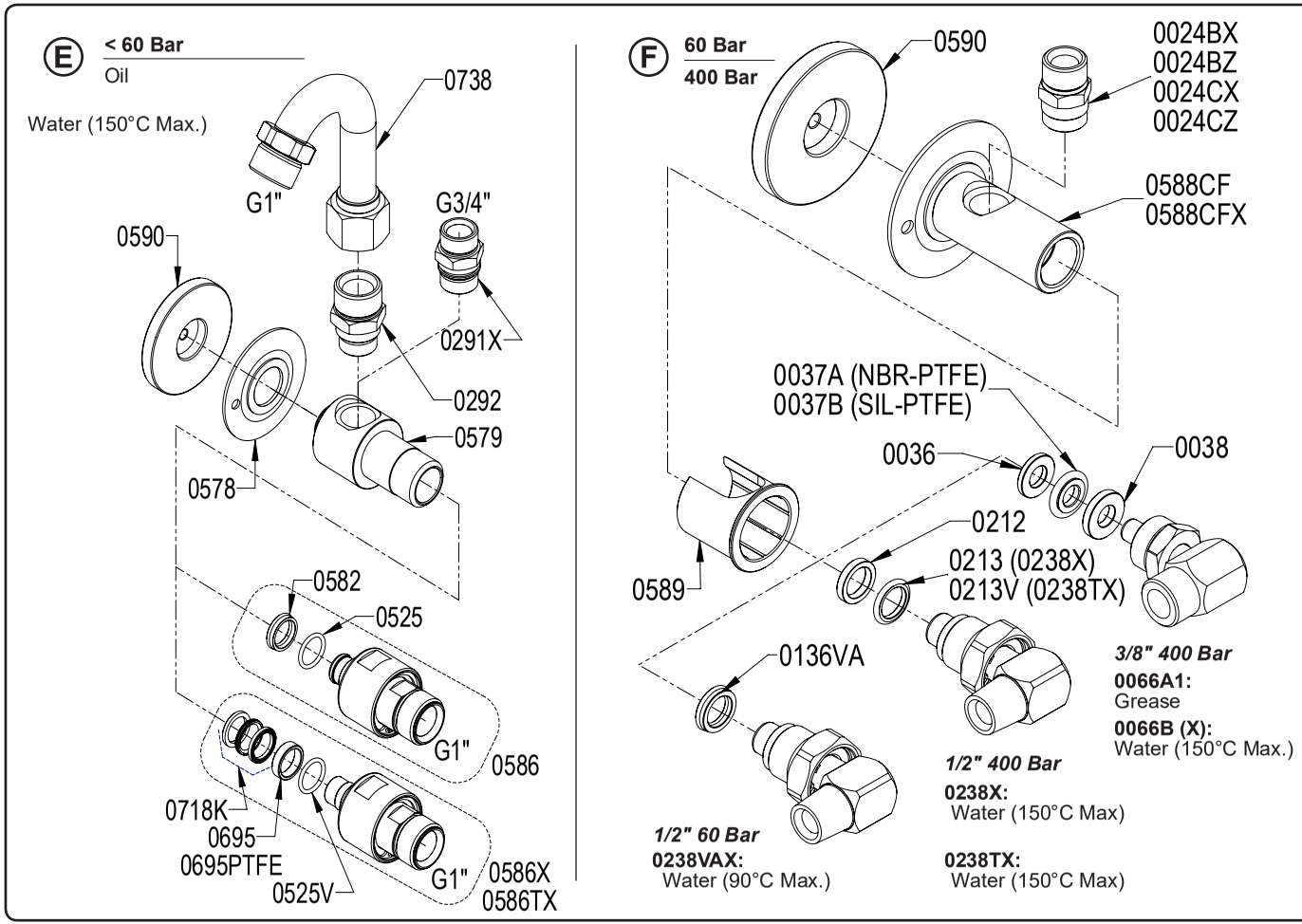
CODE	ENGLISH
0006BG (X)	KIT 2 SPRINGS FOR HOOK
0017 (X) (TX)	SCREW TE M 6x16
0019 (X)	SCREW TE M 6x20
0022B(X)	HOSE STOPPER D.17 (3/8")
0022C1(X)(TX)	HOSE STOPPER D.20 (1/2")
0022F(X) (TX)	HOSE STOPPER D.23 (5/8")
0044 (X) (TX)	HOSE STOPPER D.27 (3/4")
0054A	HOSE STOPPER D.33 (1")
0054B	NUT M 6
	SPACER FOR DRUM H.18
	SPACER FOR DRUM H.8
0060 (X)	TIE ROD L = 173
0070A4R(X)	4 ROLLER SUPPORT MOD. AL
0135 (X) (TX)	WASHER D.8x30
0155 (X)	SCREW TE M 10x16
0156 (X) (TX)	WASHER D.10x20
0180 (X)	ROLLERS SUPPORT
0180L(X) (TX)	ROLLERS SUPPORT
0220 (X)	BEARING 6006 2RS
0223	PIN FOR HOOK
0230LX	SCREW TE M 6x25
0253 (X) (TX)	SCREW TE 6x21HILO
0261 (X) (TX)	SCREW TE M 6x12
0262 (X)	HALF-DRUM SWIVEL JOINT SIDE
0263 (X)	HALF-DRUM SPRING SIDE
0264 (EX)	RACHET PLATE WHEEL
0265X	SCREW TS 6x18HILO
0266 (X)	SHAFT MOD. BG - BGL
0267	PU GASKET MOD. BG - BGL
0268	BEARING 6007 2RS
0269	SUPPORT MOD. BG - BGL
0270 (X)	FLANGE D.165 MOD. BG - BGL
0270A (X)	FLANGE D.165 MOD. BGLD
0271 (X)	NYLON BUSH D.32
0279 (X) (TX)	FOOT
0280 (X)	BODY SIDE
0280A(X) (TX)	BODY SIDE BGLD
0281 (EX)	RATCHET HOOK
0282 (EX)	SPRING LINKAGE BUSH
0285	PU GASKET MOD. BG - BGL
0286 (X)	WASHER D.8x54
0287	COVER SPRING SIDE
0323 (X) (TX)	WASHER D.6x24
0346B	COVER SWIVEL SIDE (1/2"HP)
0362 (X) (TX)	SCREW TC M 6x16
0395	SEAL PU D.350
0439	PIN D.8 L = 39 mm
0439L	PIN D.8 L=47
0475 (X)	SCREW TSP 6x34 TORX
0479(X)(EX)	RATCHET HOOK KIT

0484	ROLLERS SUPPORT
0484L	ROLLERS SUPPORT
0485	GUIDE HOSE ROLLER D.18 L=32
0485L	GUIDE HOSE ROLLER D.18 L=40
0487	GUIDE HOSE ROLLER D.18 L=110
0522	COVER SWIVEL SIDE WITH HOLE
0532	HOSE GUIDE CURVE D .27
0532B	HOSE GUIDE CURVE D.<20
0533	HOSE GUIDE CURVE D.33
0536 (X) (TX)	SCREW TE M 8x25 mm
0547	HOSE GUIDE CURVE D.35
0548	TIE ROD L=95mm
0559	SPACER
0563 (D)	METAL SHEET RING
0564 (X) (TX)	BODY JOINT SIDE
0565 (X) (TX)	ARM JOINT SIDE
0566 (X) (TX)	ARM SPRING SIDE
0567	BUSH FOR SWIVEL SUPPORT
0568 (X) (TX)	TIE ROD L=324mm
0569 (X)	TIE ROD L=317mm
0570	ROLLER D.18 L=118mm
0571 (X) (TX)	COMPLETE ROLLER SUPPORT
0572 (X)	EXTERNAL SPRING FOR 25/30m
0572A(X) (TX)	EXTERNAL SPRING FOR 50m
0573 (EX)	PLASTIC SPRING LINKAGE SHAFT
0575	HEXAGONAL INSERT L= 36
0639GC(X) (TX)	INTERNAL SPRING FOR 50m
0640A(X) (TX)	EXTERNAL SPRING
0641GC(X) (TX)	INTERNAL SPRING
0646	WASHER D.40
0674 (X)	SCREW TS TX M6x30
0684F (X)	SHAFT MOD. BGLD
0685	BEARING SUPPORT
0686	GASKET MOD. BGLD
0687 (EX)	SPRING LINKAGE SHAFT
0688 (X) (TX)	HALF-DRUM SWIVEL JOINT SIDE
0689 (X) (TX)	HALF-DRUM SPRING SIDE
0707	SCREW TE M 8x50 mm
0720 (X)	FLANGE Ø180mm Sp.2
0721 (X)	TIE ROD D.12 L=180mm
0744 (EX)	PLASTIC FLANGE
0745 (EX)	PLASTIC FLANGE
0364 (EX)	PLASTIC RING
G	SWIVEL JOINT
T	FLEXIBLE HOSE
TC	CONNECTION HOSE

To order the spare parts for a stainless steel or ATEX model, please add to the code the letter "X"/"TX" or "EX" as indicated between brackets.

15.3 SWIVEL JOINTS SPARE PARTS




E
< 60 Bar
Oil
Water (150°C Max.)
0738
G1"
G3/4"
0590
0291X
0292
0579
0578
0582
0525
G1"
0586
0718K
0695
0695PTFE
0525V
G1"
0586X
0586TX
F
60 Bar
400 Bar
0590
0024BX
0024BZ
0024CX
0024CZ
0588CF
0588CFX
0037A (NBR-PTFE)
0037B (SIL-PTFE)
0036
0038
0212
0213 (0238X)
0213V (0238TX)
0589
0136VA
3/8" 400 Bar
0066A1:
Grease
0066B (X):
Water (150°C Max.)
1/2" 400 Bar
0238X:
Water (150°C Max)
0238TX:
Water (150°C Max)
1/2" 60 Bar
0238VAX:
Water (90°C Max.)

CODE	ENGLISH
0024CX	S.S. DOUBLE SCREW 1/2"-1/2"
0024CZ	GALVANISED DOUBLE SCREW 1/2"-1/2"
0036	BRASS WASHER D.11x22
0037A	SEAL D.11 NBR-PTFE
0037B	SEAL D.11 SIL-PTFE
0038	BEARING WASHER D.11x24
0066A1	COMPL. SWIVEL H.P. 3/8"F NBR
0066BX	COMPL. SWIVEL H.P. D.3/8"F S/S SIL
0136VA	SEAL D.16-22 VITON
0212	BRASS WASHER D.16-22
0213	SEAL D.16 PTFE-SIL
0213V	SEAL D.16 PTFE-VITON
0238X	COMPLETE JOINT 1/2"G.
0238VAX	COMPLETE JOINT 1/2"G. VITON
0238TX	COMPLETE JOINT 1/2"G. AISI316
0291X	DOUBLE SCREW 3/4"G AISI 303
0291TX	DOUBLE SCREW 3/4"G AISI 316
0292	DOUBLE SCREW 3/4"-1"G
0292TX	DOUBLE SCREW 3/4"-1"G AISI 316
0510A	PLASTIC SHAFT
0511	DOUBLE SCREW M34x1-M.3/4"G
0512	RING M34x1
0513	WASHER D. 21x32,5 D. 19 mm
0514	CURVE 90° D. 19 mm
0515	CURVE 90° D. 25 mm+WASHER
0523A	SWIVEL JOINT D.19
0524A	SWIVEL JOINT D.25
0525	OR 3081 (20,24 x 2,62)
0525Q	QUAD-RING 20,30 x 2,62
0525V	OR 3081 (20,24 x 2,62) VITON
0528	OR 2100 (25,12 x 1,78)
0529	OR 3093 (23,47 x 2,62)
0531	CLAMP D. 34-37 mm
0558	CLAMP D. 27-29 mm
0559	PLASTIC SHAFT SPACER
0578 (X)	WASHER D. 80x28.5x2.5

To order the spare parts for a stainless steel or ATEX model, please add to the code the letter "X"/"TX" or "EX" as indicated between brackets.

CODE	ENGLISH
0579 (X)	STEEL SHAFT M.1”G.
0582	SEAL UP 19 25 6
0586	STEEL JOINT M.1”G.
0586(X)(TX)	S.S. JOINT M.1”G.
0588CF(X)	SHAFT D.32 WITH FLANGE
0589	NYLON BUSH D.32
0590	STEEL SHAFT SPACER
0624	DOUBLE SCREW 3/4" G. - 1" G
0634	BRASS ELBOW 90° F.1" G
0634X	S.S. ELBOW 90° F.1" G.
0636	BRASS JOIMT M.F.1"G.
0636G	COMPLETE BRASS JOINT
0636GX	S.S. COMPLETE JOINT 1" G.
0636K	KIT JOINT SEALS 1" G.
0636X	S.S. JOINT M.F.1" G.
0637GX.	S.S. COMPLETE JOINT 3/4" G.
0637K	KIT JOINT SEALS 3/4" G.
0637X	S.S. JOINT 3/4" G.
0644	DOUBLE SCREW 3/4"G - 1"G
0654	BRASS CURVE D.19 + RING
0654TP	CURVE D.19 + RING (MOD. BGLX)
0655	BRASS CURVE D.25 + RING
0655TP	CURVE D.25 + RING (MOD. BGLX)
0695	BUSH D.25_d.20_Sp7
0718K	KIT OF SPARE SEALS FOR 0586X
0738(X)G	CURVE 140° M.F. REVOLVING 1" G
Y0166A	SHAPED WASHER
YC0167	CURVE 90° D. 25 mm

To order the spare parts for a stainless steel or ATEX model, please add to the code the letter "X"/"TX" or "EX" as indicated between brackets.

17.1 - TECHNICAL DATA BGL - BGD - BGLD

Models without hose

FLUID	MAX.	CODE	INLET	OUTLET	HOSE LENGTH	kg	G	PRE LOAD
AIR WATER DIESEL FUEL	20 Bar	BGL203430ST BGLD203440ST BGL200125ST BGLD200130ST	G 3/4" F G 3/4" F G 1" F G 1" F	ø 19 ø 19 ø 25 ø 25	30 m 40 m 25 m 30 m	39 Kg 44 Kg 39 Kg 44 Kg	A	6 7 5 10
OIL WATER 40°C Max.	60 Bar	BGLD601250ST	G 1/2" M	G 1/2" M	50 m	45 Kg	F (0238X)	10
		BGD603425ST BGL603430ST BGLD603440ST BGLD600125ST	G 1" M	G 3/4" M G 3/4" M G 3/4" M G 1" M	25 m 30 m 40 m 25 m	45 Kg 40 Kg 45 Kg 45 Kg	E	7 5 7 13
WATER 150°C Max.	400 Bar	BGD4H3840ST BGLD4H3850ST BGD4H1240ST BGLD4H1250ST	G 3/8" M G 3/8" M G 1/2" M G 1/2" M	G 3/8" M G 3/8" M G 1/2" M G 1/2" M	40 m 50 m 40 m 50 m	40 Kg 45 kg 40 Kg 45 kg	F(0066B) F(0066B) F(0238X) F(0238X)	7 10 7 10

Models with hose

FLUID	MAX.	CODE	INLET	OUTLET	HOSE LENGTH	Ø HOSE	kg	G	PRE LOAD
DIESEL FUEL	10 Bar	BGL101930GO BGLD101940GO BGL102525GO BGLD102530GO	ø 19 ø 19 ø 25 ø 25	G 3/4" M G 3/4" M G 1" M G 1" M	30 m 40 m 25 m 30 m	19 x 27 19 x 27 25 x 35 25 x 35	39 Kg 44 Kg 39 Kg 44 Kg	A	6 7 5 10
COLD WATER	10 Bar	BGL101930HO BGLD101940HO	ø 19 ø 19	G 3/4" F G 3/4" F	30 m 40 m	19 x 26 19 x 26	50 kg 59 kg	C	6 7
WATER 70°C Max. Stainproof hose	10 Bar 20 Bar	BGLD101650K BGL101930K BGLD101940K BGL102525K BGLD102530K	ø 16 ø 19 ø 19 ø 25 ø 25	G 1/2" M G 3/4" F G 3/4" F G 1" F G 1" F	50 m 30 m 40 m 25 m 30 m	16 x 24 19 x 27 19 x 27 25 x 34 25 x 34	58 kg 51 kg 60 kg 54 kg 62 kg	F(0238X) D	10 6 7 5 10
AIR	18 Bar	BGLD181350 BGLD181650 BGL181930 BGLD181940 BGL182525 BGLD182530	ø 13 ø 16 ø 19 ø 19 ø 25 ø 25	G 1/2" M G 1/2" M G 3/4" F G 3/4" F G 1" F G 1" F	50 m 50 m 30 m 40 m 25 m 30 m	13 x 20 16 x 24 19 x 27 19 x 27 25 x 35 25 x 35	56 kg 58 kg 51 kg 60 kg 54 kg 62 kg	F(0238X) A	10 10 6 7 5 10
OIL WATER 40°C Max.	60 Bar	BGLD601250 BGL603430 BGLD603440 BGLD600125	G 1/2" M G 3/4" F G 3/4" F G 1" F	G 1/2" F G 3/4" F G 3/4" F G 1" F	50 m 30 m 40 m 25 m	1/2" 3/4" 3/4" 1"	64 kg 54 kg 63 kg 60 kg	F(0238X) E	10 4 7 13
WATER 150°C Max.	210Bar	BGLD2H3850N	G 3/8" F	G 3/8" F	50 m	3/8" black	60 kg	F (0066BX)	10
	180Bar	BGLD2H1250N	G 1/2" F	G 1/2" F	50 m	1/2" black	64 kg	F(0238X)	10
	400Bar	BGLD4H3850	G 3/8" F	G 3/8" F	50 m	3/8" blue	69 kg	F (0066BX)	10
	300Bar	BGLD3H1250	G 1/2" F	G 1/2" F	50 m	1/2" blue	73 kg	F(0238X)	10

*Fitting of the connection hose

17.2 - TECHNICAL DATA BGLX - BGDX - BGLDX

Models without hose

FLUID	MAX.	CODE	INLET	OUTLET	HOSE LENGTH	kg	G	PRE LOAD
WATER 100°C	20 Bar	BGLX203430ST BGLDX203440ST BGLX200125ST BGLDX200130ST	ø 19 ø 19 ø 25 ø 25	ø 19 ø 19 ø 25 ø 25	30 m 40 m 25 m 30 m	39 Kg 44 Kg 39 Kg 44 Kg	D (0636GX)	6 7 5 10
WATER 150°C	60 Bar	BGLX603430ST BGLDX603440ST BGLDX600125ST	G 1" M	G 3/4" M G 3/4" M G 1" M	30 m 30 m 25 m	49 Kg	E (0586X)	10
	400 Bar	BGDX4H3840ST BGLDX4H3850ST	G 3/8" M G 3/8" M	G 3/8" M G 3/8" M	40 m 50 m	40 Kg 49 Kg	F (0066BX)	7 10
		BGDX4H1240ST BGLDX4H1250ST	G 1/2" M G 1/2" M	G 1/2" M G 1/2" M	40 m 50 m	40 Kg 45 Kg	F(0238X)	7 10

Models with hose

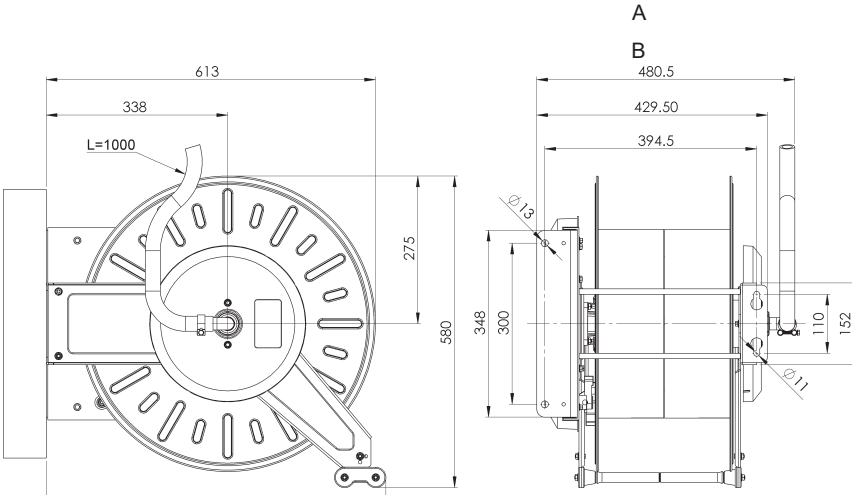
FLUID	MAX.	CODE	INLET	OUTLET	HOSE LENGTH	Ø HOSE	kg	G	PRE LOAD
COLD WATER	10 Bar	BGLX101930HO BGLDX101940HO	ø 19 ø 19	G 3/4" F G 3/4" F	30 m 40 m	19 x 26 19 x 26	50 kg 59 kg	C	6 7
WATER 70°C Max. Stainproof hose	10 Bar (70°C) --- 20 Bar (25°C)	BGLDX101650K	ø 16	G 1/2" M	50 m	16 x 24	58 kg	F (0238VAX)	10
		BGLX101930K BGLDX101940K BGLX102525K BGLDX102530K	ø 19 ø 19 ø 25 ø 25	G 3/4" F G 3/4" F G 1" F G 1" F	30 m 40 m 25 m 30 m	19 x 27 19 x 27 25 x 34 25 x 34	51 kg 60 kg 54 kg 62 kg	D (0636GX)	6 7 5 10
WATER 150°C Max.	210Bar	BGLDX2H3850N	G 3/8" F	G 3/8" F	50 m	3/8" black	60 kg	F (0066BX)	10
	180Bar	BGLDX2H1250N	G 1/2" F	G 1/2" F	50 m	1/2" black	64 kg	F (0238X)	10
	400Bar	BGLDX4H3850 *BGLDX4H3850X	G 3/8" F	G 3/8" F	50 m	3/8" blue	69 kg	F (0066BX)	10 10
	300Bar	BGLDX3H1250	G 1/2" F	G 1/2" F	50 m	1/2" blue	69 kg	F (0238X)	10

* Hose with stainless steel fittings.

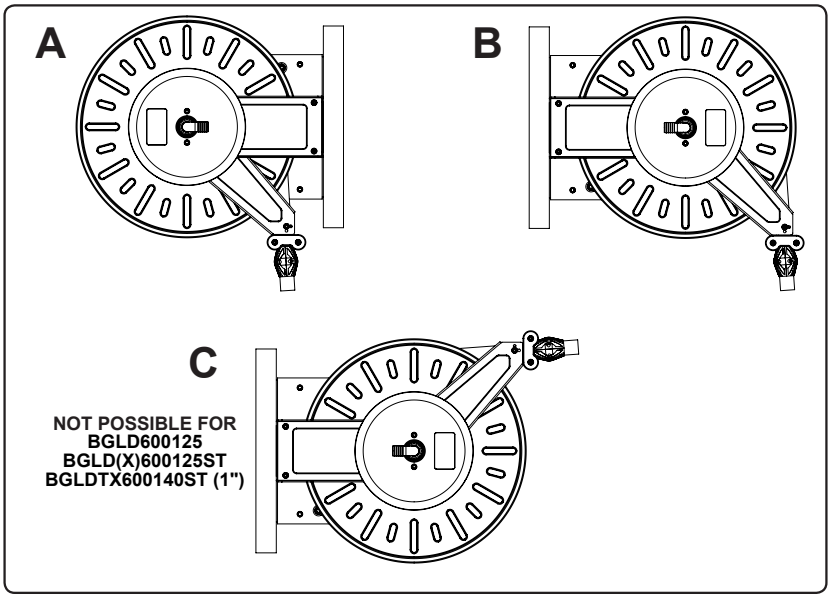
17.3 - TECHNICAL DATA BGLDTX

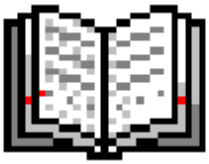
FLUID	MAX.	CODE	INLET	HOSE DIAM.	HOSE LENGTH	kg	G	PRE LOAD
WATER 150°C Max	60 Bar	BGLDTX600140ST	G 1" M	G 3/4" M G 1" M	(3/4") 40 m (1") 25 m	48 Kg	E (0586TX)	10
	400 Bar	BGLDTX4H1250ST	G 1/2" M	G 3/8" M G 1/2" M	(3/8") 50 m (1/2") 50 m	49 Kg	F (0238TX)	10

BGL - BGD - BGLD
BGLX - BGDX - BGLDX



CODE	A	B
BGL - BGLD	430	395
BGD	345	270





Obligation to preserve the manual

This manual must be kept in an easily accessible place, available to all operators.