

MANUALE USO, MANUTENZIONE E RICAMBI
WATER PRESS

USER GUIDE, MAINTENANCE AND SPARE PARTS
WATER PRESS

WP40 - WP50 - WP55 - WP70



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SECTION 2 - General Information

Assistance

For any need please contact the Retailer or the Technical Office.

CE Marking

The plate below is to certify that WATER PRESS is in compliance with the security requirements fixed by the European Union with reference to the CE Declaration Conformity Directives.



CE Declaration of Conformity

La F.lli Marchisio & C. s.p.a

18026 PIEVE DI TECO

Declares under its own liability that WATER PRESS

Mod.

Serie

To which this issue concerns

Is in accordance with the essential requirements provided by the

89/392/CEE, 91/368/CEE, 93/44/CEE, 93/68/CEE directives

The Legal Representative

SECTION 3 - Use of this manual

	
	BEFORE INSTALLING AND STARTING THE MACHINE OR BEFORE BEGINNING ANY KIND OF ACTIVITIES
	PLEASE READ CAREFULLY THE INSTRUCTIONS CONTAINED IN THIS MANUAL
	This Manual concerns your safety, it is part of the product that you buy and should be for motion, for installation, for the use, for surveillance, for maintenance in order to avoid to spoil it.
	This Guide is addressed to the users, to the owner, to the responsible for security, for motion, for installation, for the use, for surveillance, for maintenance and for the final dismantling.
	This Manual indicates the correct use of the machine, it describes the technical characteristics and indicates the security devices; this Guide, however, does not substitute specific training or experience.
	This Manual gives instructions for the staff training, it is necessary to direct servicing interventions, to simplify the request of spare parts, to notify the remaining risks not completely eliminated in course of planning.
	This Manual reflects the technique status at the moment the sale of the machine and should not be considered inadequate only because it will later be revised on a basis of new data.
	The supplier Company reserves the right to make adjustments to the machine and its Manual without being under any obligation to update the previous production and its documentation.
PLEASE NOTE	The Supplier Company restrains itself from any responsibility of damages caused
	from an improper use by not trained staff, from a use of the equipment against the
	National and EC directives on workplace safety, from an incorrect installation,
	from deficiencies in maintenance, from unauthorized alterations or adjustments on the machine, from the use of unauthorized spare parts, from total or partial inobservance of the instructions of this Manual.



PRESSA AD ACQUA WATER PRESS

Water Press is designed in respect of the safety standards European directives on the machine and particularly in consideration of the following rules:

1. EN 292/2 Ed. 1991: Security of the machine. Basic concepts, general principles of design. Specificities and technical principles.
2. ISO. 7000 Ed. 1994: Graphic signs available on the equipment.



The machine must be used by the operator only when:

1. He has a good knowledge of safety regulations.
2. He has been properly informed about the risks the machine can cause and about how important is not to tamper with protection devices .
3. He has been properly trained.
4. He has been motivated to report possible malfunctions.

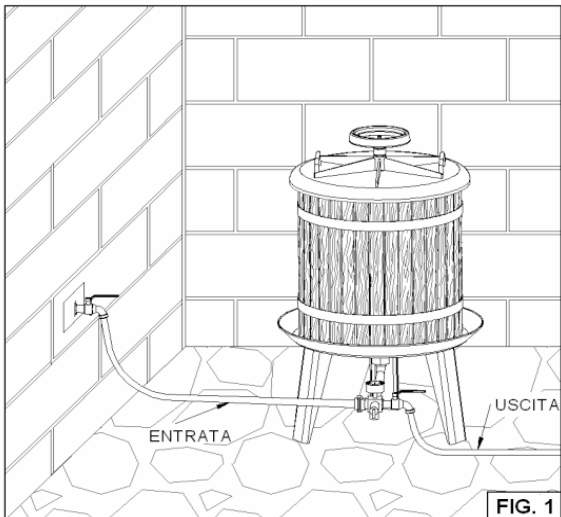


IMPORTANT: In case of sale of this product please give this Guide to the new owner.

SECTION 4 - Appropriate use and safety standards

User's profile	The machine is intended for amateur use. The use of this machine does not require any specific qualification, but a minimum of experience in the field is recommended. The use for children under 16 years is <u>unadvised</u>.								
Intended Use	The machine has been designed for the pressing of grape clusters, of grape just crushed or destemmed for virgin winemaking. It is anyway also efficacious to press any other kind of fruits such as apples pears etc. but without stones or hard and pointed parts that could possibly damage the membrane								
Motion	The only motion of WATER PRESS is the enlargement of the membrane, that is perfectly protected by the exterior cage.								
Places of Intended use	Water Press is made in painted steel it bears well climatic alterations and it is suitable for wine cellars. Anyway it is advised not to expose it to weather .								
Control mode	The machine is manually controlled and works with water pressure.								
Out of service	To set the machine out of service you have to take off the water-pipe from the water intake point. See the section of the Manual about servicing and conservation.								
Improper use	WATER PRESS must be totally loaded to avoid the fungus effect of the membrane and its consequent weakening. It is absolutely forbidden the use of the Machine with the cover open or with the nut of the tie rod only partially screwed.								
Forbidden	It is absolutely forbidden the use of air or any other kind of gas to pump the compression membrane. In case of explosion as a consequence for the use of air or other type of gas the Company declines any responsibility and will demand moral and image damages.								
									
Safety-valve	It is absolutely forbidden to tamper with the safety valve or exclude it, the safety valve is calibrated at 3 atm. In case of breakage or malfunction, please make a request for a new one (before starting again Water Press) to the Company or to the authorized Retailer.								
									
Warning	Before pumping with water the membrane be sure the cage is in its seat, the cover is exactly inserted on the cage and the handle is well screwed on the cover.								
									

SECTION 5 - Starting – Directions for use

Cleaning	Before beginning the manufacturing process it is advisable to clean carefully the cage, the cover, the membrane and the base.
Connection	Connect the waterworks system pipe to the intake water pipe, then connect another pipe to the Water Press drain cock (FIG.1) .  FIG. 1
How to load the machine	Unscrew the crank and take off the cover; if you use a cloth bag insert it adherent into the cage, load the product to press and distribute it uniformly on the surface of the cage (this part is really important), insert the cover and screw well the blocking crank.
Vent-Hole	At first open the air valve, then open the intake tap and turn off the air valve as soon as the water begins to come.
Pressing	This processing is automatic, the pressure itself of the water system has the task to press the product till a maximum of 3 atm. In case of a too high pressure the safe valve starts to lower it.
End of the cycle	At the end of the pressing close the intake tap water and open the drain –cock. After the discharge of the water unscrew the crank, take off the cover, clean off the residual particles and repeat the cycle from the beginning.
Routine maintenance	Water Press doesn't need a special maintenance, we only recommend to clean it carefully and to protect it against dust with a cover.
Check	Any three pressings don't forget to check the good tightening of the flanges bolts of the membrane and periodically it is important to check all the bolts. This is important to avoid emission of water and to guarantee the perfect proof of the membrane.

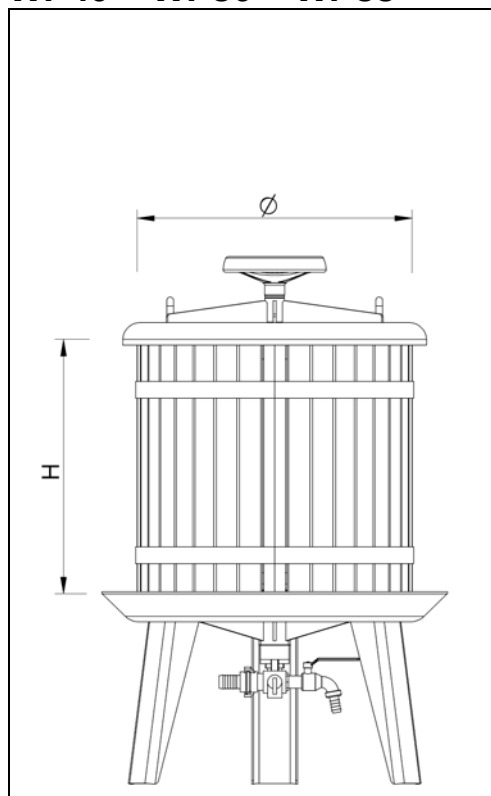
SECTION 6 - Maintenance, preservation, remaining risks

Predisposition	Before starting any intervention disconnect the hose from the water supply system and drain completely the membrane.
Servicing interventions	In case of need , please use only original spare parts and to fit them call only a qualified and competent person. The operator can directly provide at the replacement of the membrane; in case of cracks or perforations, don't try to repair it, but replace it with an original spare part; otherwise a perfect pressure proof can't be guaranteed. Any other spare parts can be fitted by the operator without particular directions .
Conservation 	At the end of the process, wash the membrane with tepid water (40/50 °C.). During periods of inactivity it is advisable to keep the machine in a cool room, protect it from sun beams and to guarantee the membrane a long life sprinkle it with talcum powder.
Hazards and precautions for use 	Always pay special attention to the bolt that block the cover it must be tight otherwise the pressure of the membrane could push out the marc ,wasting the product. Please don't use the machine with its cover open, or partially loaded in order to avoid the fungus effect. The fungus effect is a deformation of the upper section of the membrane that can cause its own weakening and consequently a shorter life. Moreover pressing becomes less efficient because the pressure, in the lower section of the cage is not anymore regular and adequate.

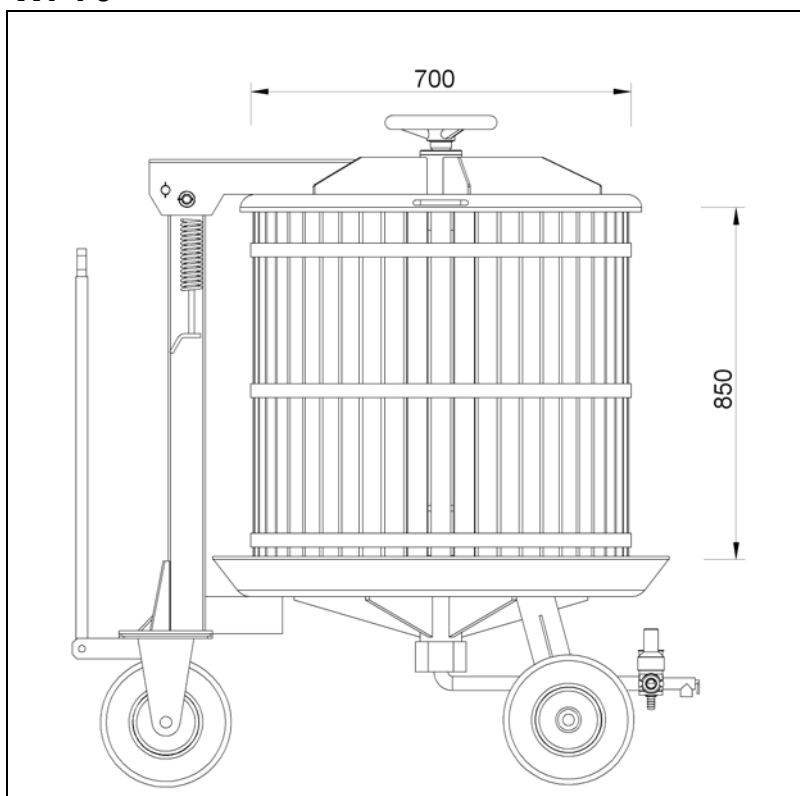
SECTION 7 - Characteristics, models

MODELLO	GABBIA - CAGE	LT.	U.S. LIQUID	PESO (KG)
	Ø x H		GALLON	WEIGHT
WP 40	40 x 55	65,00	17,20	50,00
WP 50	50 x 65	125,00	33,00	82,00
WP 55	55 x 65	150,00	39,60	105,00
WP 70	70 x 85	320,00	84,50	230,00

WP40 – WP50 – WP55

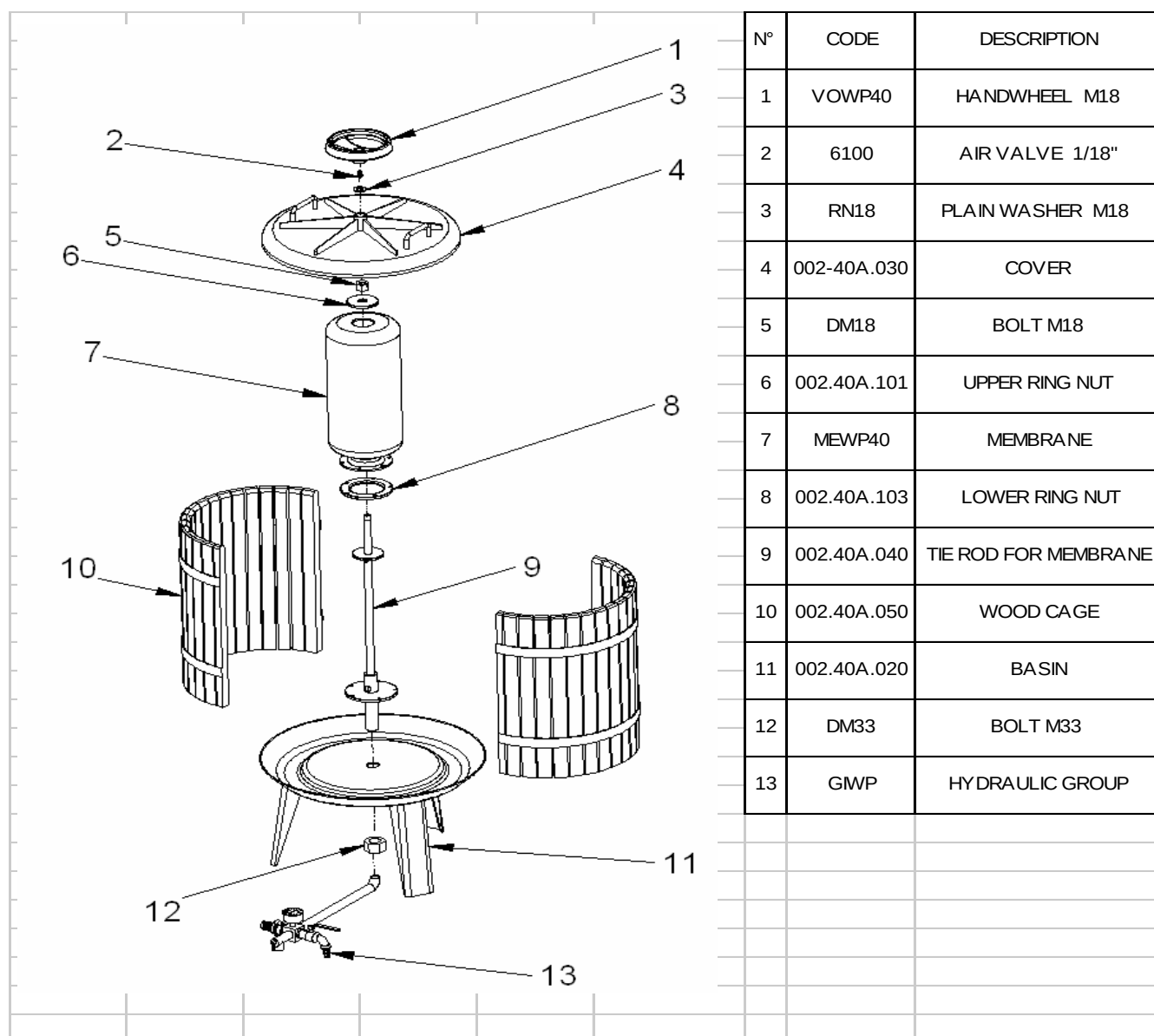


WP70



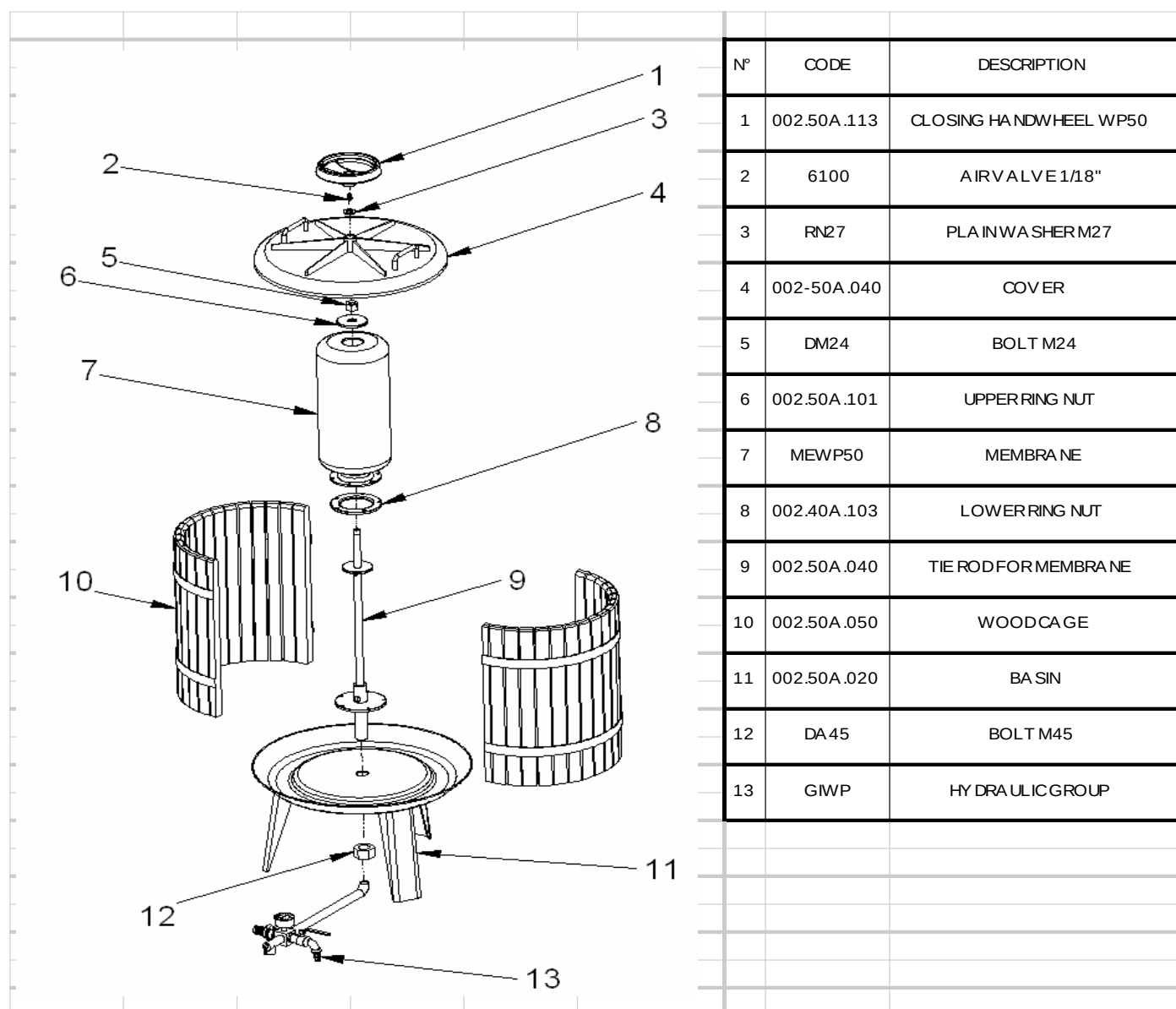
SECTION 8 - Spare Parts Guide

SECTION 8.1 - Spare Parts WP 40

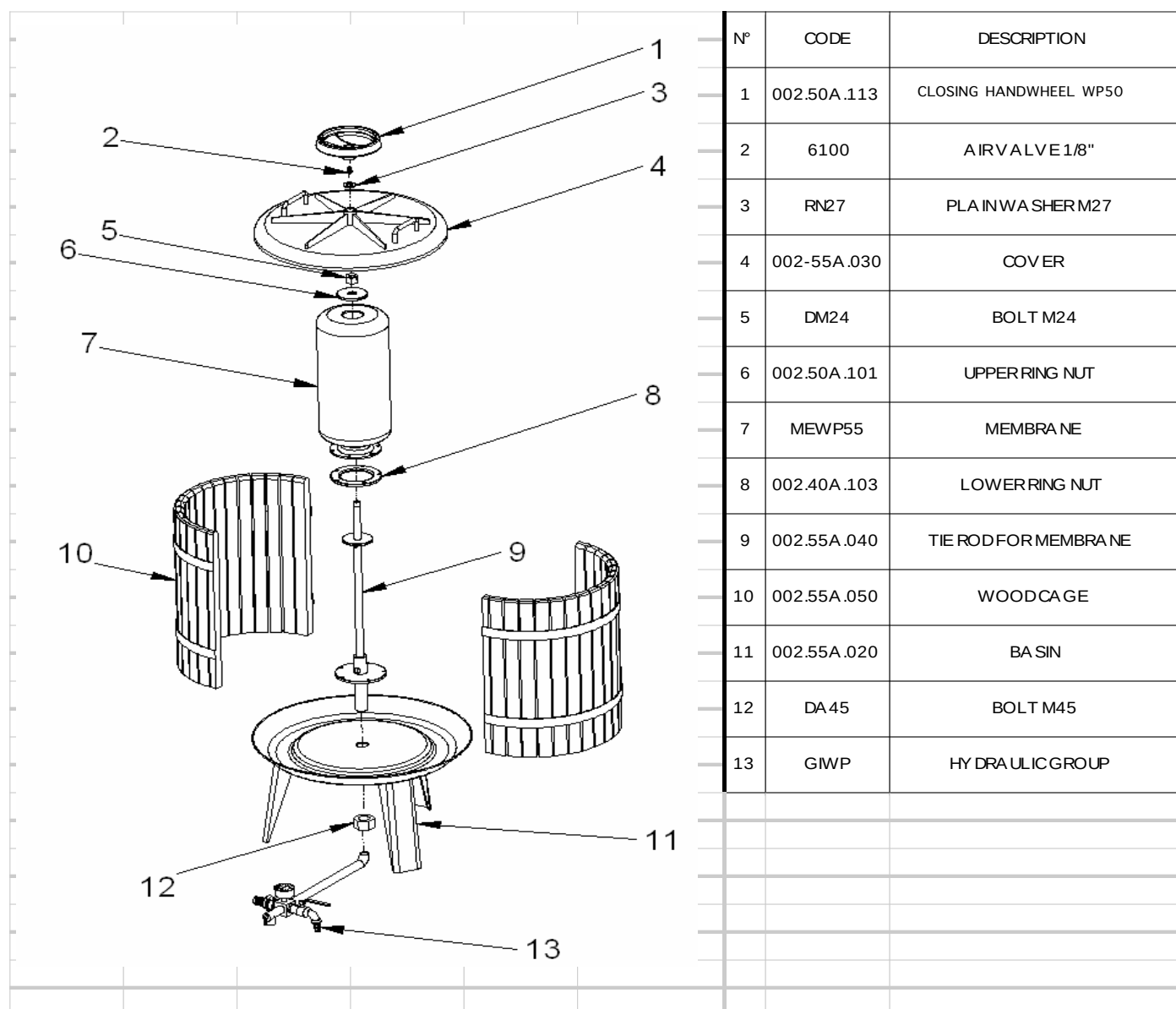


N°	CODE	DESCRIPTION
1	VOWP40	HANDWHEEL M18
2	6100	AIR VALVE 1/18"
3	RN18	PLAIN WASHER M18
4	002-40A.030	COVER
5	DM18	BOLT M18
6	002.40A.101	UPPER RING NUT
7	MEWP40	MEMBRANE
8	002.40A.103	LOWER RING NUT
9	002.40A.040	TIE ROD FOR MEMBRANE
10	002.40A.050	WOOD CAGE
11	002.40A.020	BASIN
12	DM33	BOLT M33
13	GWGP	HYDRAULIC GROUP

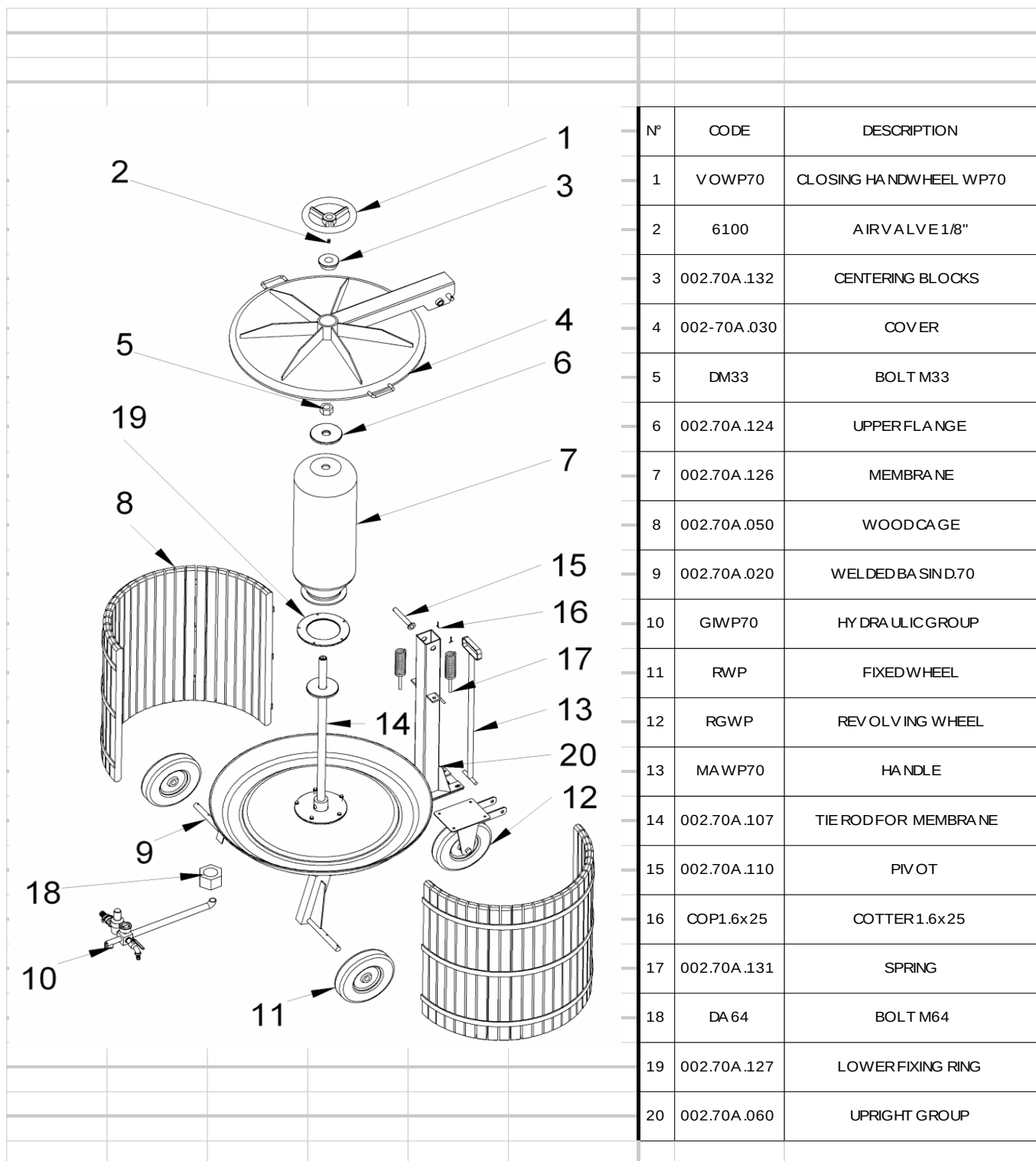
SECTION 8.2 - Spare Parts WP 50



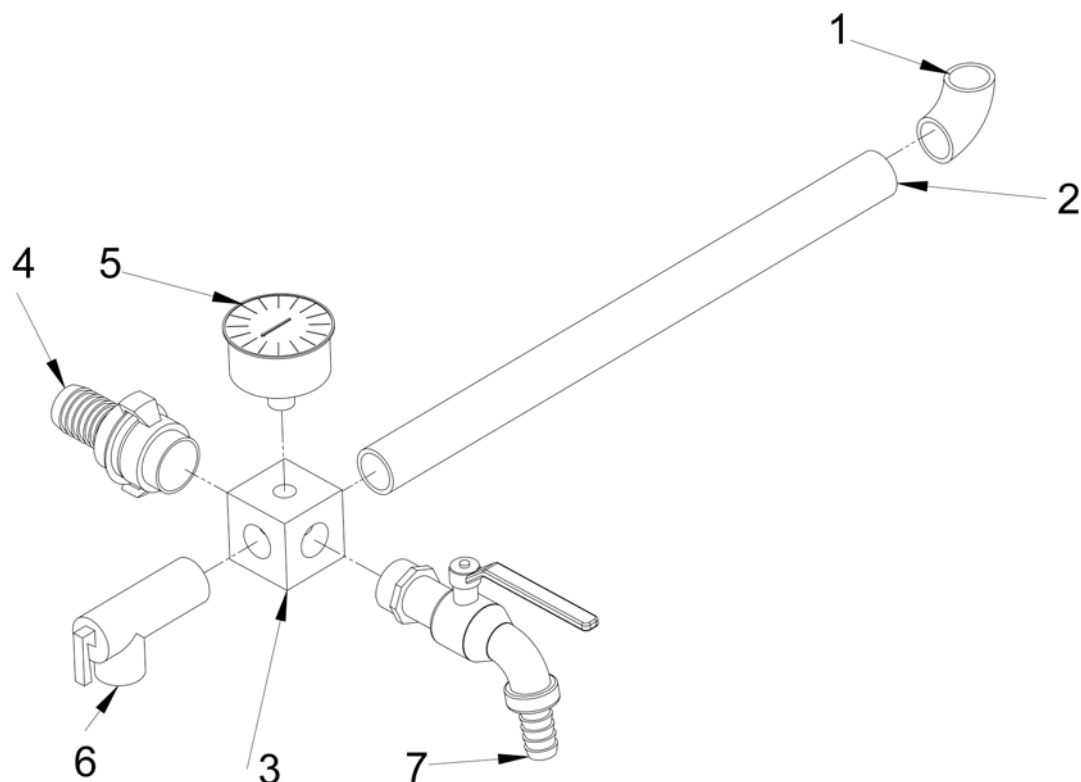
SECTION 8.3 - Spare Parts WP 55



SECTION 8.4 - Spare Parts WP 70

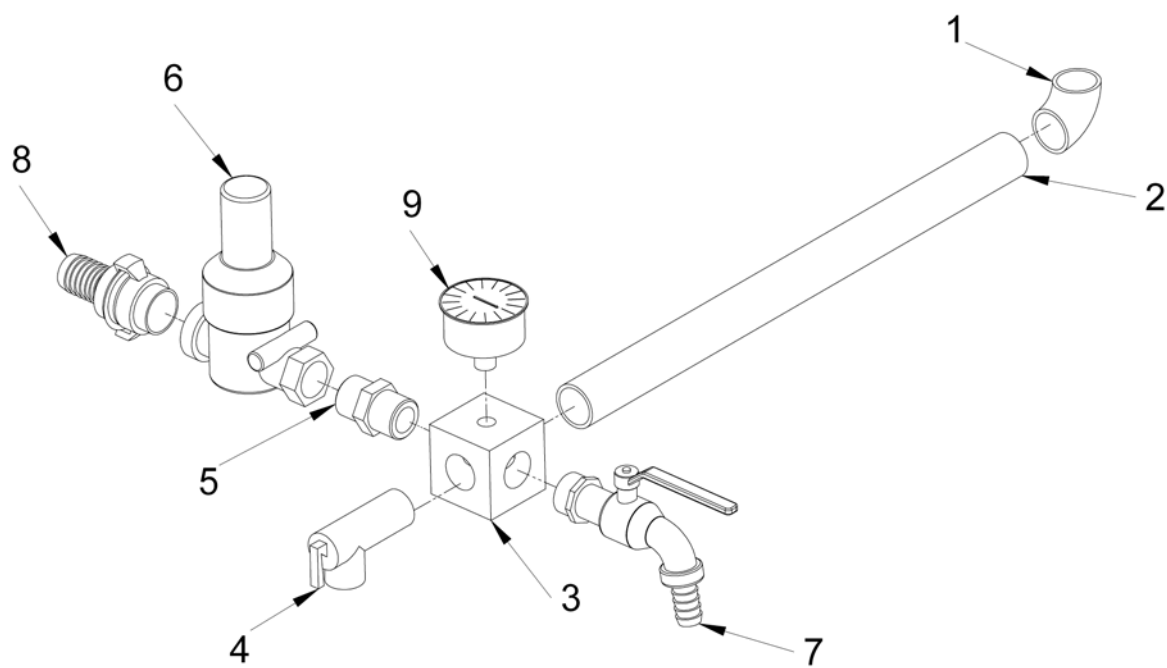


SECTION 8.5 - Hydraulic group WP40 – WP50 – WP55



N°	CODE	DESCRIPTION
1	002.70A.114	GALVANIZED BEND 1/2"
2	002.70A.115	TUBO ZINCATO 1/2"
3	002.40A.113A	THREADED BLOCK
4	RUBBER CARRIER	QUICK-CONNECT RUBBER CARRIER IN BRASS
5	MAN.WP	MANOMETER 1/4" G (0 - 6 bar)
6	2000-3	SAFETY VALVE 1/2" 3 bar
7	RUBZINC	TAP IN BRASS NICKEL PLATED 3/4"

SECTION 8.6 - Hydraulic group WP70



N°	CODE	DESCRIPTION
1	002.70A.135	GALVANIZED BEND 3/4"
2	002.70A.134	GALVANIZED PIPE 3/4"
3	002.70A.130A	THREADED BLOCK
4	2000-3	SAFETY VALVE 1/2" 3 bar
5	DOUBLE SCREW	GALVANIZED DOUBLE SCREW 3/4"
6	2820-34	PRESSURE REDUCING VALVE 3/4"
7	RUBZINC	TAP IN BRASS NICKEL PLATED 3/4"
8	RUBBER CARRIER	QUICK-CONNECT RUBBER CARRIER IN BRASS
9	MANWP	MANOMETER 1/4" G (0 - 6 bar)

