

**MANUALE USO, MANUTENZIONE E RICAMBI**  
**WATER PRESS**

**USER GUIDE, MAINTENANCE AND SPARE PARTS**  
**WATER PRESS**

WP40 - WP50 - WP55 - WP70



F.lli Marchisio & C. s.p.a  
Via Mazzini, 28  
18026 PIEVE DI TECO (IM)  
Tel. 0183 – 36237 Fax. 0183 – 36038  
[www.fratellimarchisio.com](http://www.fratellimarchisio.com)  
[info@fratellimarchisio.com](mailto:info@fratellimarchisio.com)

## **SECTION 1 - Summary**

Section 1 - Summary.....	Pag. 15
Section 2 - General Information.....	Pag. 16
Section 3 - Use of this manual.....	Pag. 17
Section 4 - Appropriate Use and Safety Standards.....	Pag. 19
Section 5 - Starting – Directions for use .....	Pag. 20
Section 6 - Maintenance, preservation, remaining risks .....	Pag. 21
Section 7 - Characteristics, models.....	Pag. 22
Section 8 - Spare Parts Guide.....	Pag. 23
Section 8.1 - Spare Parts WP 40.....	Pag. 23
Section 8.2 - Spare Parts WP 50.....	Pag. 24
Section 8.3 - Spare Parts WP 55.....	Pag. 25
Section 8.4 - Spare Parts WP 70.....	Pag. 26
Section 8.5 - Hydraulic Group WP40 – WP50 – WP55.....	Pag. 27
Section 8.6 - Hydraulic Group WP70.....	Pag. 28

## **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

	<p>BEFORE INSTALLING AND STARTING THE MACHINE OR BEFORE BEGINNING ANY KIND OF ACTIVITIES</p> <p><b>PLEASE READ CAREFULLY THE INSTRUCTIONS CONTAINED IN THIS MANUAL</b></p>
	<p>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.</p>
	<p>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.</p>
	<p>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.</p>
	<p>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.</p>
	<p>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.</p>
	<p>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.</p>
<b>PLEASE NOTE</b>	<p>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.</p>



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.

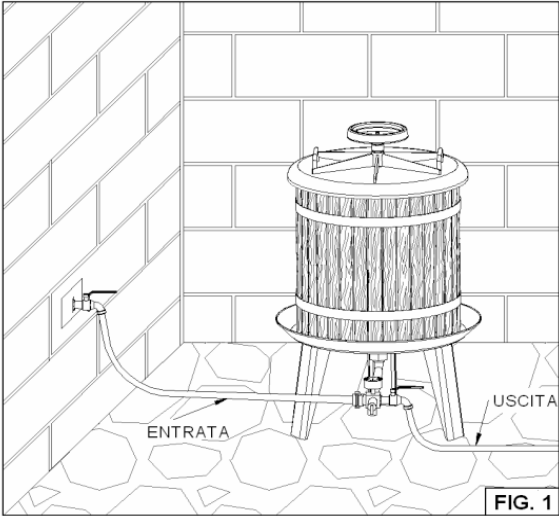


**IMPORTANT:** In case of sale of this product please give this Guide to the new owner.



## SECTION 4 - Appropriate use and safety standards

<b>User's profile</b>	<p>The machine is intended for amateur use.</p> <p>The use of this machine does not require any specific qualification, but a minimum of experience in the field is recommended.</p> <p><b>The use for children under 16 years is <u>unadvised</u>.</b></p>
<b>Intended Use</b>	<p>The machine has been designed for the pressing of grape clusters, of grape just crushed or destemmed for virgin winemaking.</p> <p>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</p>
<b>Motion</b>	<p>The only motion of WATER PRESS is the enlargement of the membrane, that is perfectly protected by the exterior cage.</p>
<b>Places of Intended use</b>	<p>Water Press is made in painted steel it bears well climatic alterations and it is suitable for wine cellars.</p> <p>Anyway it is advised not to expose it to weather .</p>
<b>Control mode</b>	<p>The machine is manually controlled and works with water pressure.</p>
<b>Out of service</b>	<p>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.</p>
<b>Improper use</b>	<p>WATER PRESS must be totally loaded to avoid the fungus effect of the membrane and its consequent weakening.</p> <p>It is absolutely forbidden the use of the Machine with the cover open or with the nut of the tie rod only partially screwed.</p>
<b>Forbidden</b> 	<p><b>It is absolutely forbidden the use of air or any other kind of gas to pump the compression membrane.</b> 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.</p>
<b>Safety-valve</b> 	<p><b>It is absolutely forbidden to tamper with the safety valve or exclude it, the safety valve is calibrated at 3 atm.</b> 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.</p>
<b>Warning</b> 	<p>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.</p>

## **SECTION 5 - Starting – Directions for use**

<b>Cleaning</b>	Before beginning the manufacturing process it is advisable to clean carefully the cage, the cover, the membrane and the base.
<b>Connection</b>	Connect the waterworks system pipe to the intake water pipe , then connect another pipe to the Water Press drain cock ( FIG.1 ) .
	 <p style="text-align: right;">FIG. 1</p>
<b>How to load the machine</b>	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.
<b>Vent-Hole</b>	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.
<b>Pressing</b>	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.
<b>End of the cycle</b>	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.
<b>Routine maintenance</b>	Water Press doesn't need a special maintenance, we only recommend to clean it carefully and to protect it against dust with a cover.
<b>Check</b>	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

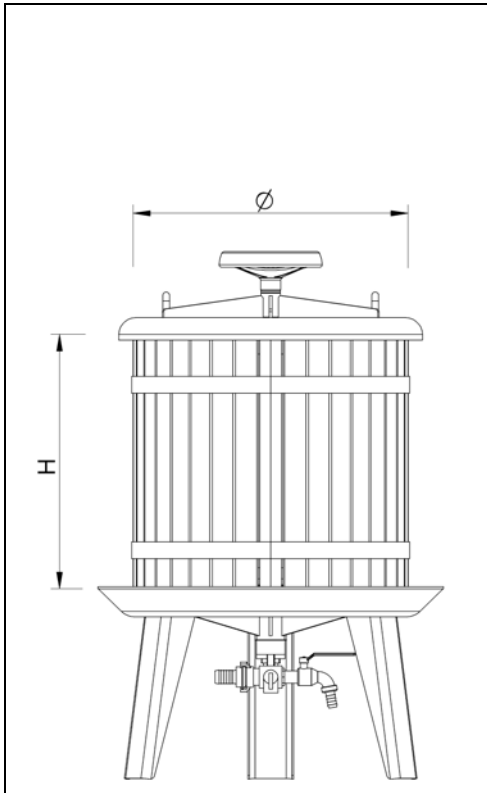
<p><b>Pre disposition</b></p>	<p>Before starting any intervention disconnect the hose from the water supply system and drain completely the membrane.</p>
<p><b>Servicing interventions</b></p>	<p>In case of need, please use only original spare parts and to fit them call only a qualified and competent person.</p> <p>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.</p> <p>Any other spare parts can be fitted by the operator without particular directions.</p>
<p><b>Conservation</b></p> 	<p>At the end of the process, wash the membrane with tepid water (40/50 °C.).</p> <p>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.</p>
<p><b>Hazards and precautions for use</b></p> 	<p>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.</p> <p>Please don't use the machine with its cover open, or partially loaded in order to avoid the fungus effect.</p> <p>The fungus effect is a deformation of the upper section of the membrane that can cause its own weakening and consequently a shorter life.</p> <p>Moreover pressing becomes less efficient because the pressure, in the lower section of the cage is not anymore regular and adequate.</p>



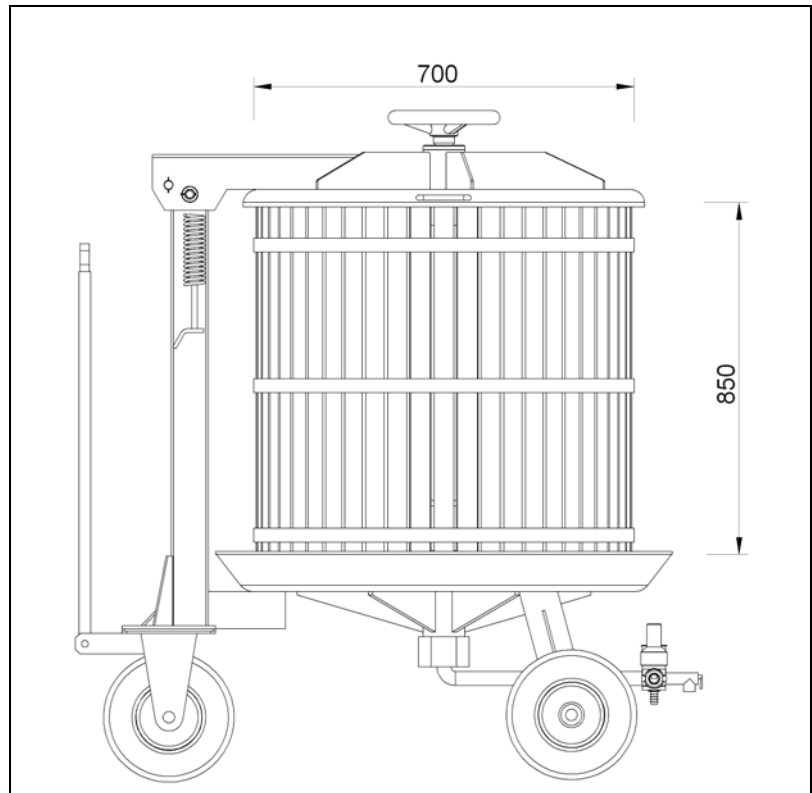
## SECTION 7 - Characteristics, models

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**

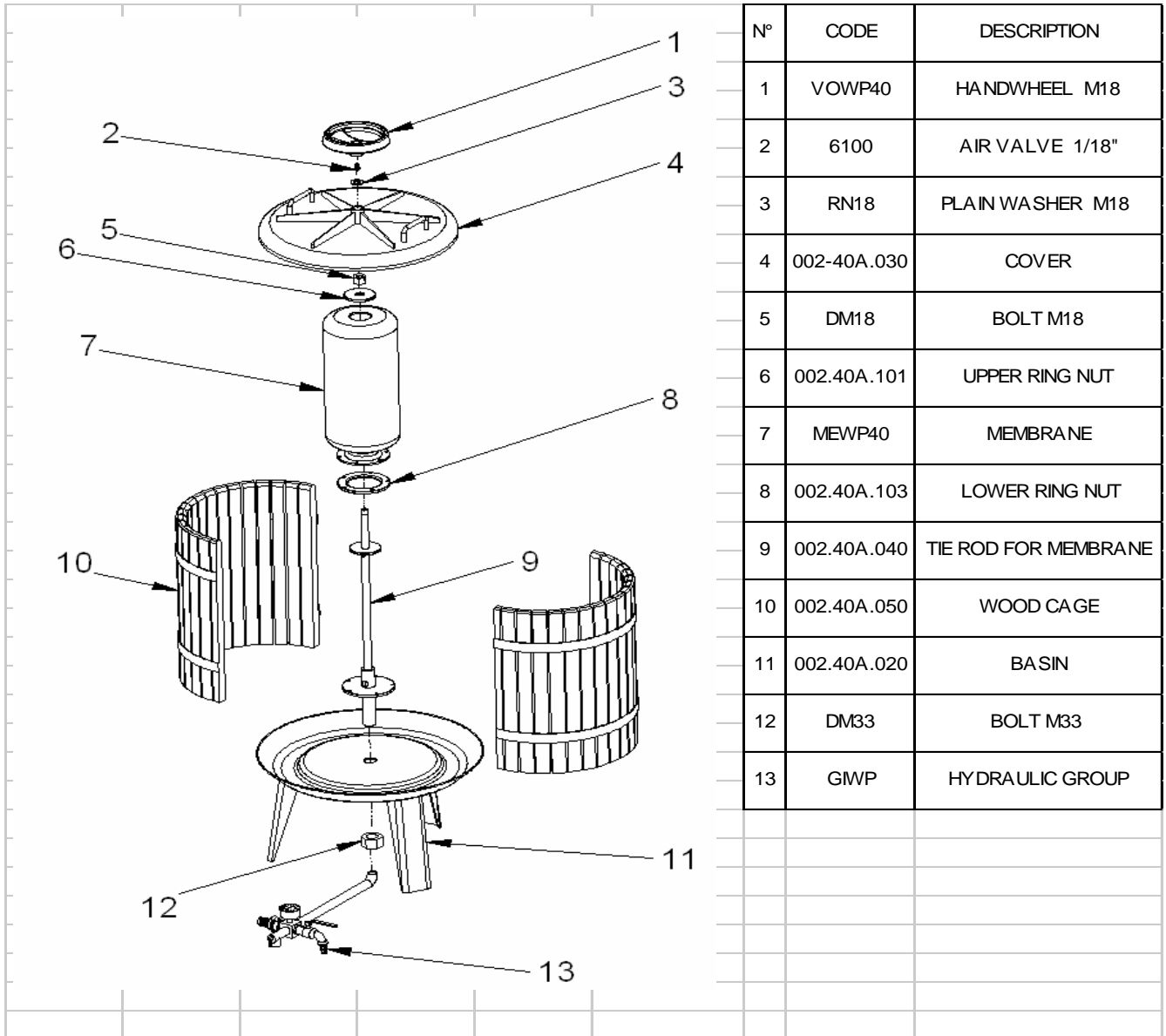


**WP70**

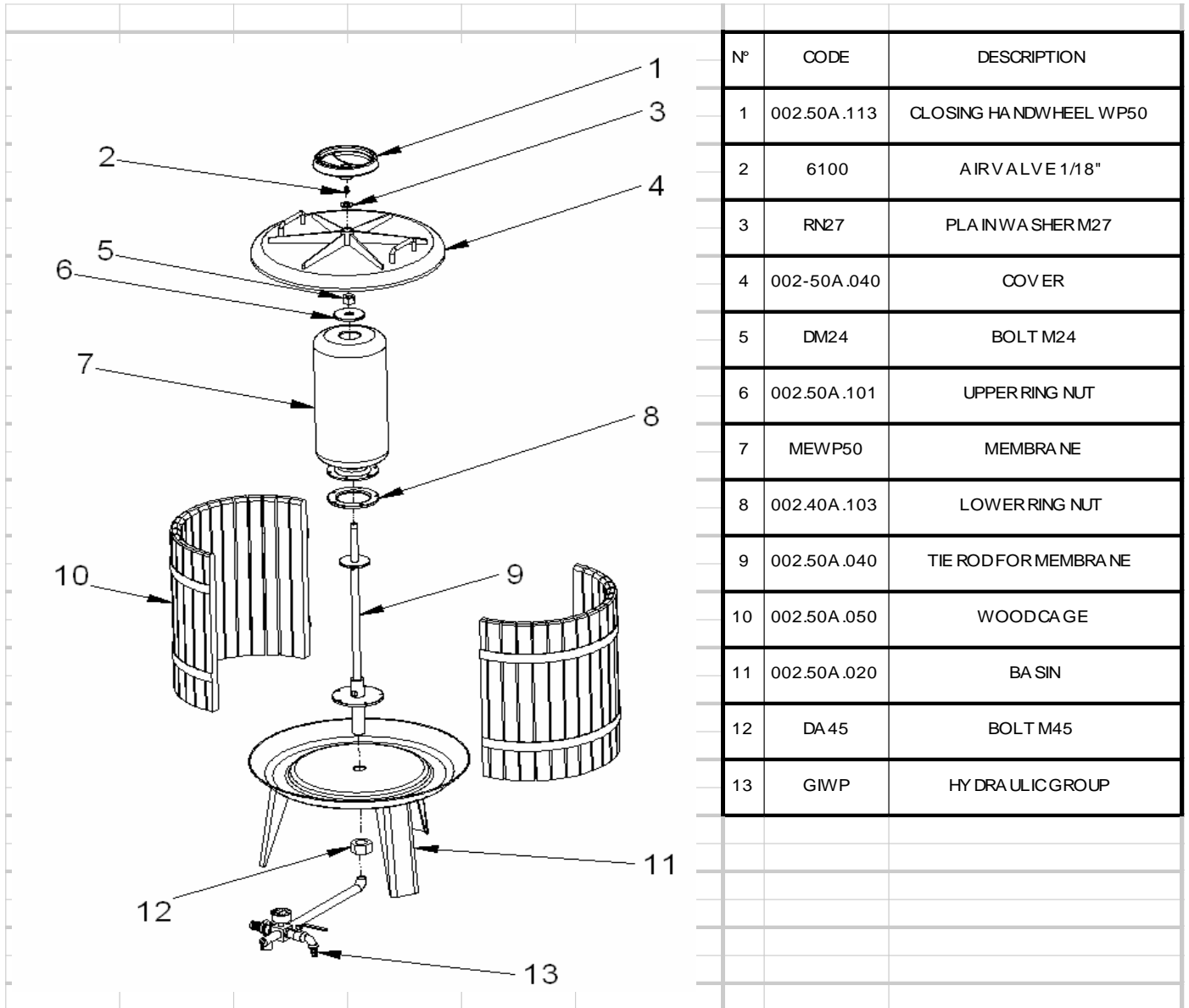


## SECTION 8 - Spare Parts Guide

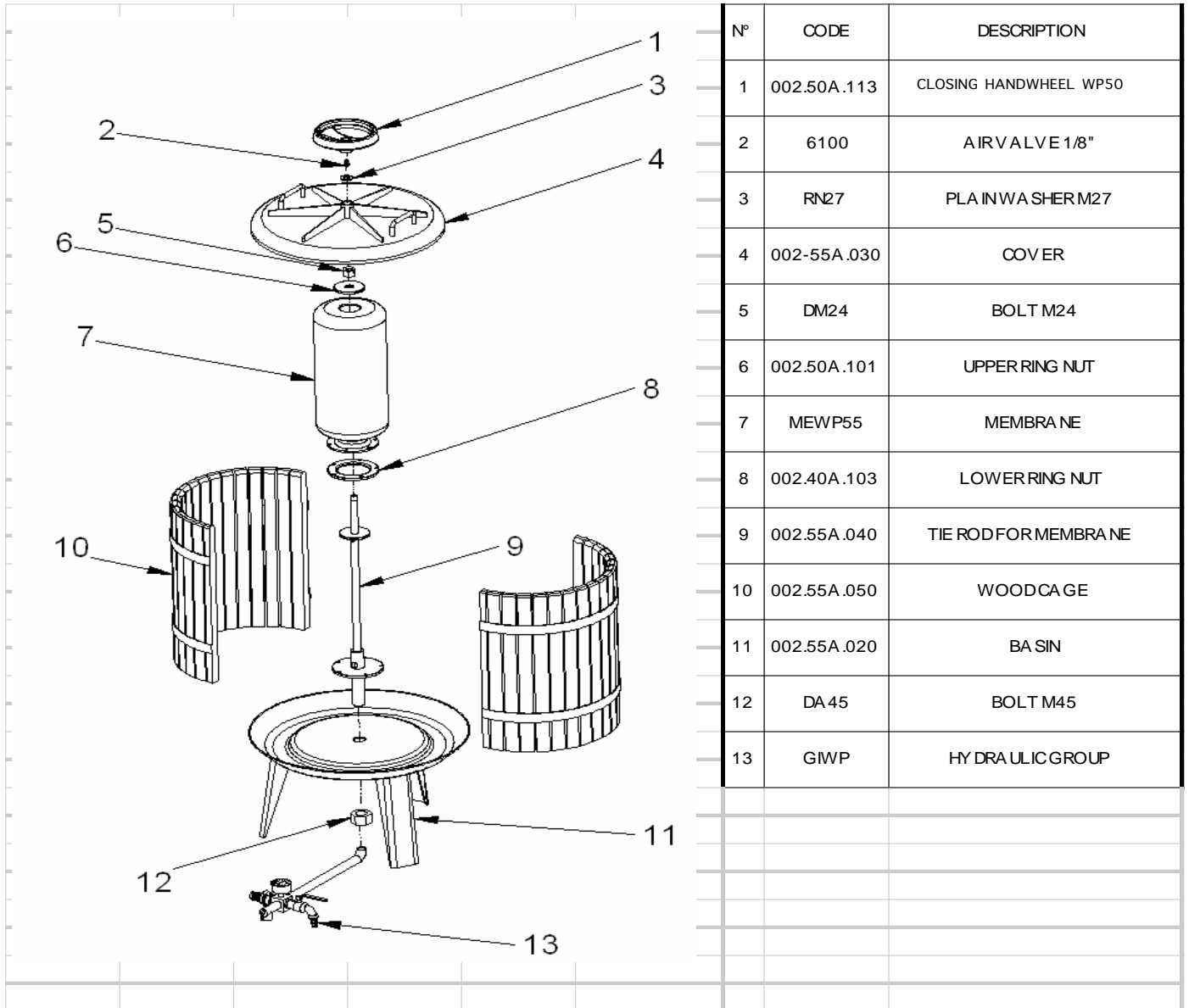
### SECTION 8.1 - Spare Parts WP 40



## SECTION 8.2 - Spare Parts WP 50



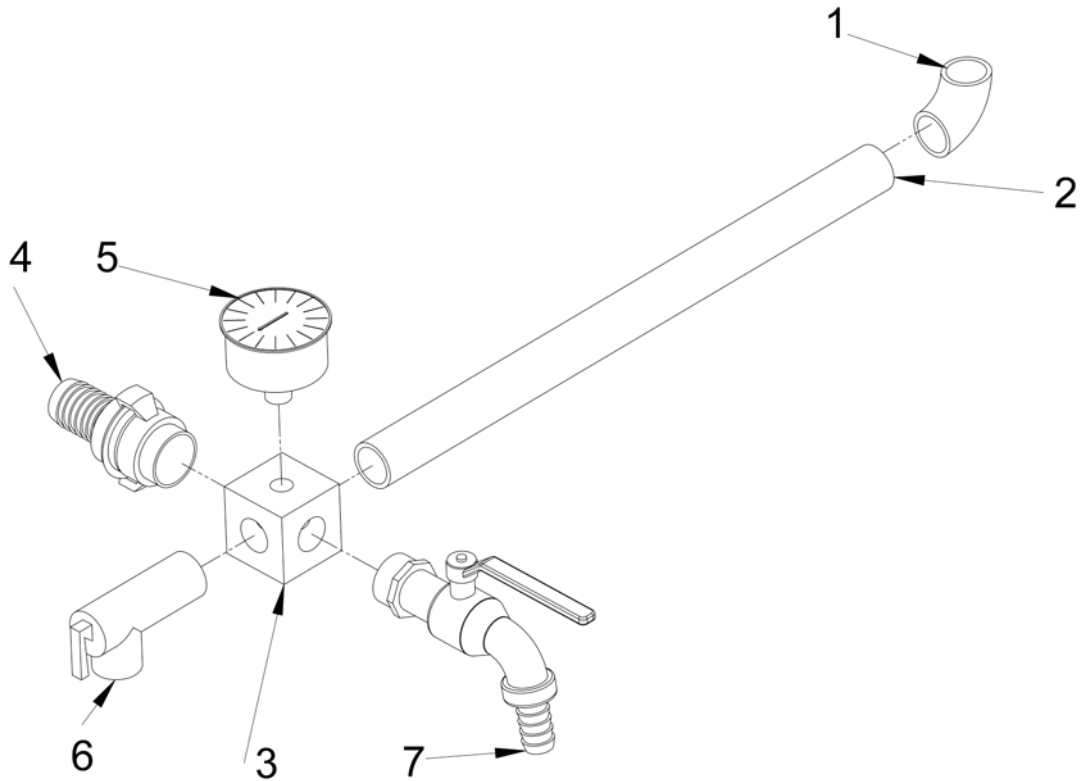
## SECTION 8.3 - Spare Parts WP 55



## SECTION 8.4 - Spare Parts WP 70

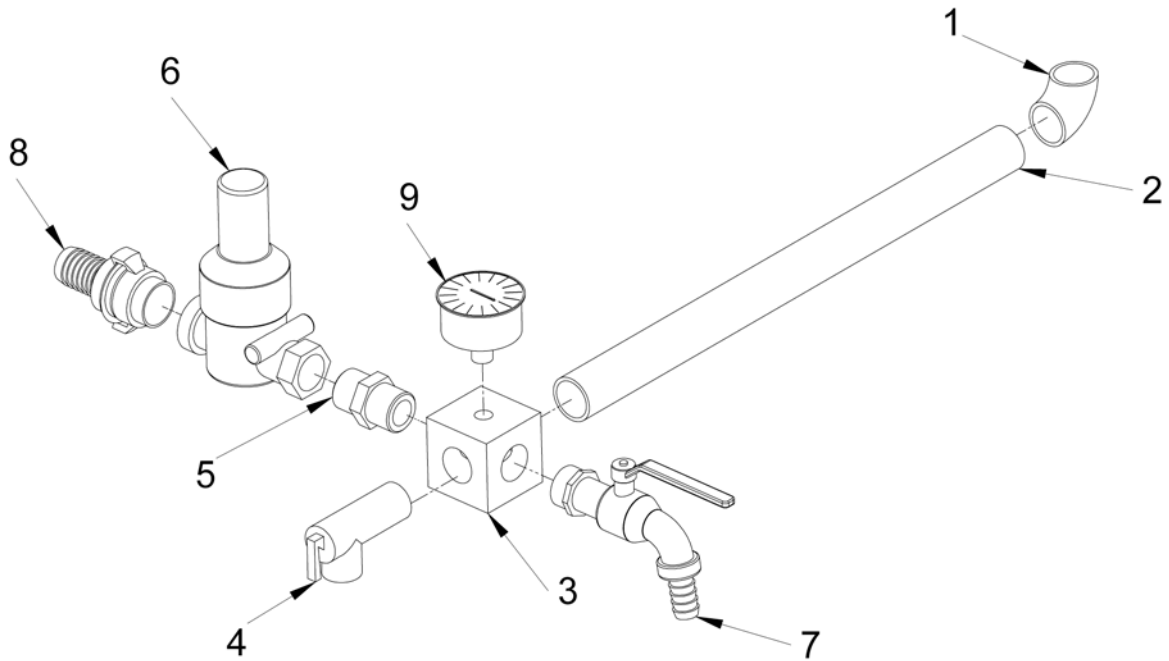
Exploded View Diagram		N°	CODE	DESCRIPTION															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		1	VOWP70	CLOSING HANDWHEEL WP70															
		2	6100	AIR VALVE 1/8"															
		3	002.70A.132	CENTERING BLOCKS															
		4	002-70A.030	COVER															
		5	DM33	BOLT M33															
		6	002.70A.124	UPPER FLANGE															
		7	002.70A.126	MEMBRANE															
		8	002.70A.050	WOODCAGE															
		9	002.70A.020	WELDED BASIN D.70															
		10	GWP70	HYDRAULIC GROUP															
		11	RWP	FIXED WHEEL															
		12	RGWP	REVOLVING WHEEL															
		13	MAWP70	HANDLE															
		14	002.70A.107	TIE ROD FOR MEMBRANE															
		15	002.70A.110	PIVOT															
		16	COP1.6x25	COTTER 1.6x25															
		17	002.70A.131	SPRING															
		18	DA 64	BOLT M64															
		19	002.70A.127	LOWER FIXING RING															
		20	002.70A.060	UPRIGHT GROUP															

## **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)

