

Kit FC | Accessory that allows washing with liquids with pH > 12

⁽³⁾ pH <4: strongly acidic products; pH >12: strongly caustic products.



To determine the model of basic machine and the accessories installed, check the **transportation document** which indicates:

- The **model of basic machine**;
- The **number and type of accessories** requested;
- The **Wiring diagram** of the machine connected to the Accessories

The instructions in this Manual refer:

- to the **basic models of all the series**: if there is no reference;
- to the **specific model or the specific group of models belonging to a series**: if there is a reference to a model or group of models;
- to the **accessories** illustrated in § 13 if they form part of the machine.

2.3. RECIPIENTS OF THE MANUAL

- The **operator** assigned to use the machine,
- The **maintenance technician** assigned to the maintenance of the machine.



On the training of personnel assigned the machine see § 9.1.



If ownership of the machine is transferred, this Manual must be consigned to the new owner.

2.4. STORING THE MANUAL

This Manual is printed on resistant paper and provided in a protective transparent envelope. It should be kept:

- near the machine;
- in good condition;
- available to the operator and maintenance personnel



If lost ask RECYL SAS for a duplicate.

2.5. SYMBOLS USED IN THE MANUAL

SYMBOL	MEANING	DESCRIPTION
	DANGER	Danger for the user.
	WARNING	Warning or note on key functions or useful information.
	CONSULTATION	Consult the Instruction Manual before carrying out a certain operation.

3. MACHINE DESCRIPTION

3.1. APPLICATIONS

The **basic machine** has been designed and manufactured to carry out **WASHING** and **RINSING** operations using only detergents recommended to be diluted in water in the quantities and doses recommended in §19.



WARNING:

On the machine (basic or equipped) IT IS STRICTLY PROHIBITED to use flammable solvents or cleaning products.

With the chemical products recommended (§ 19) it is possible to perform the following operations:

WASHING - PHOSPHATING - PICKLING - PASSIVATION - LUBRICATION - PAINT STRIPPING.

3.2. OPERATING PRINCIPLE

UNIX - UNIX SZD - UNIX 2B ROBUR - ROBUR 2B	spray washing is performed with an automatic cycle following the sequence of planned operations inside a washing chamber with the pieces arranged in a basket or on a rotating platform
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3.3. BASIC MACHINE

The basic machine is supplied complete with:

- of all the external and internal components (see the layout in § 20, taking care to exclude the parts supplied as an accessory);
- the **Instruction Manual** consisting of this volume and the wiring diagram;
- the **Instruction Manual** provided by the Manufacturer of the burner(s) if installed (§ 13.2);
- the **instructions** on the use of the service trolley if supplied (see § 21).

The **basic machine** can be supplied with **accessories** (§ 13).



Accessories may not be mounted on existing machines as their mounting requires structural modifications to the machine itself.

3.4. OPTIONAL ACCESSORIES

The machine is supplied with the accessories required by the Customer

For the accessories, see § 13.



Accessories may not be mounted on existing machines as their mounting requires structural modifications to the machine itself. They must be requested when placing the order for the machine.

3.5. CONTROL PANEL

The panel is installed next to the washing chamber. It allows the parameters to be set (duration and temperature) and the washing cycle to be checked.

3.6. TECHNICAL INFORMATION

3.6.1. Rating plate

The rating plate is located on the electrical switchboard.

3.6.2. Technical data and dimensions

See § 17.

3.6.3. Technical data for the burner

For systems fitted with burners, the technical data and installation procedures are found in the original instructions booklet provided by the Manufacturer of the burner provided;

3.6.4. Service trolley

For machines equipped with a trolley, the instructions can be found in § 21

4. ENVIRONMENTAL CONDITIONS

4.1. GENERAL INSTRUCTIONS

The machine **MUST NOT** BE INSTALLED:

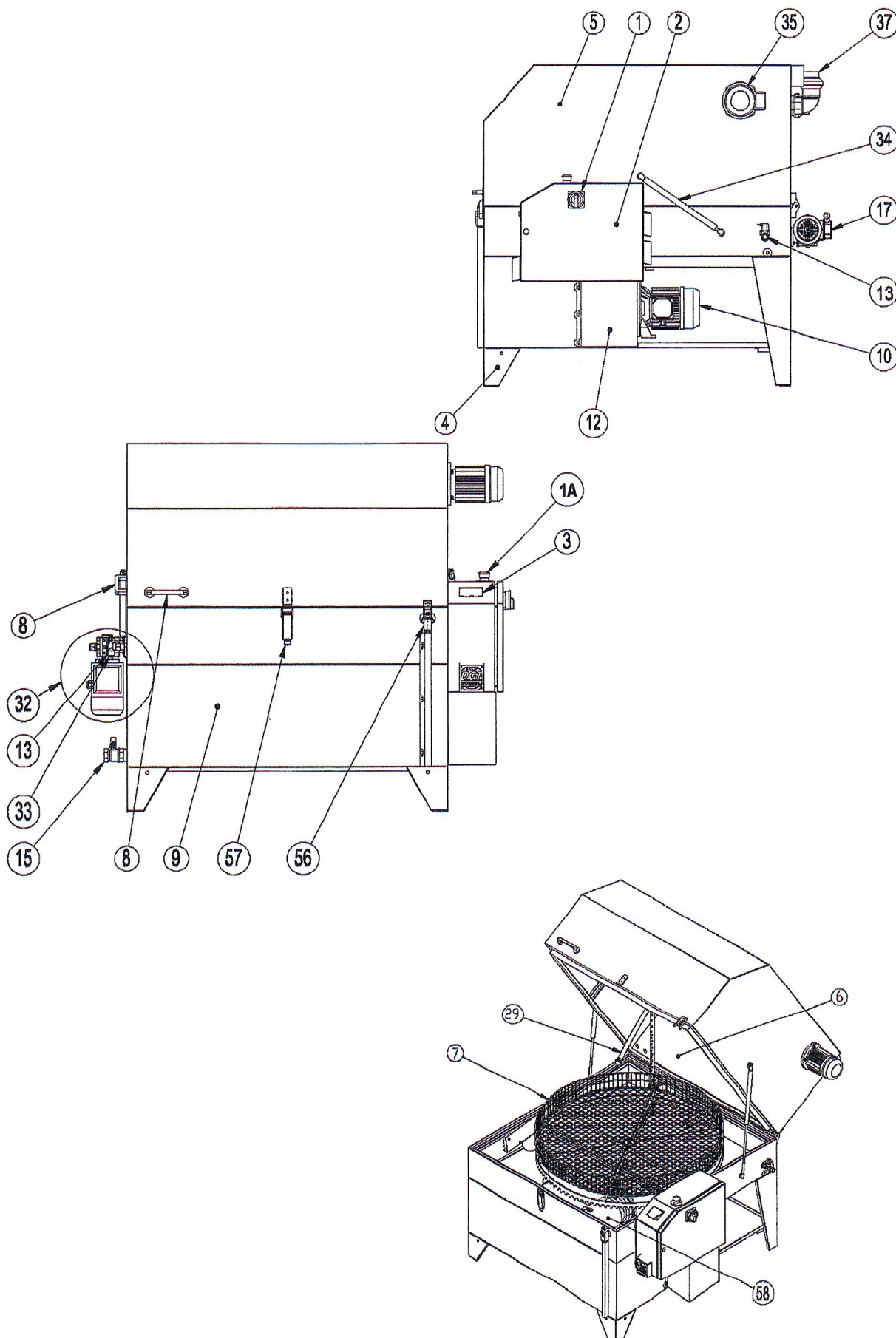
- exposed to **inclement weather**,
- in areas **washed with water jets** or exposed to **fine dust**,
- in **potentially explosive** atmospheres and/or where there is a **risk of fire**,
- in **aggressive** atmospheres or where there is a **high concentration of dust or oily substances** suspended in the air,
- in areas exposed to **electromagnetic disturbances** not compatible with the levels established by industrial environmental standards (§ 4.6);
- exposed to **contaminants**;
- in areas accessible to **unauthorised personnel** or **unqualified personnel**.

The machine is **NOT** SUITABLE FOR using:

20. MAIN PARTS AND COMPONENTS

(LAYOUT VALID ONLY FOR DESCRIPTIVE PURPOSES OF THE SYSTEMS AND THEIR ACCESSORIES)

20.1. UNIX



UNIX legend

- 1 MAIN SWITCH
- 1A EMERGENCY (mushroom button)
- 2 ELECTRICAL SWITCHBOARD (cabinet)
- 3 CONTROL PANEL (on switchboard)
- 4 STRUCTURE SUPPORTING THE MACHINE
- 5 WASHING CHAMBER COVER
- 6 WASHING CHAMBER
- 7 PIECE HOLDER BASKET/ROTATING PLATFORM
- 8 COVER OPEN/CLOSE HANDLE
- 9 WASHING FLUID TANK WITH FILTER
(on extraction pump - see 58)
- 10 WASHING PUMP
- 12 WASHING ELECTRICAL RESISTOR
- 13 WASHING TANK FILLING VALVE
- 14 WASHING TANK TOO FULL
- 15 WASHING TANK DISCHARGE
(with ball valve)
- 17 PIECE HOLDER BASKET/ROTATING PLATFORM ROTATION GEARMOTOR
- 29 WASHING DISTRIBUTION COLUMNS
- 30
- 32 DISC OIL SEPARATOR UNIT
- 33 OIL SEPARATOR DISCHARGE VALVE
- 34 COVER OPEN/CLOSE GAS SPRINGS
- 35 VAPOUR EXTRACTOR
- 37 WASHING CHAMBER VENTING WITH CHECK VALVE
- 56 SAFETY SWITCH AGAINST THE ACCIDENTAL OPENING OF THE COVER
- 57 COVER LOCK LEVER STOP
- 58 EXTRACTION FILTER ON THE PUMP

17. TECHNICAL DATA

UNIX

MODELS	EXTERNAL DIMENSIONS mm				WASHING CAPACITY			TANK	MASS (*)	PUMP			MECH. ROT.	EXTRACT	HEAT.	TOTAL (POWER 400V 3PH) KW ENERG.SAVING	
	A	B	H CLOSED	H2 OPEN	Ø mm	H1 mm	P kg	I	Kg	bar	l/min	KW	KW	KW	KW		
80	1100	1220	1250	1750	780	540	100	150	110	2	110	0.55	0.09	0.25	4	4.7	4.0
100	1350	1420	1260	1920	980	560	200	210	160	2.7	160	1.5	0.09	0.25	6	7.6	6.0
120	1550	1600	1450	2100	1170	700	300	260	250	3	210	1.8	0.25	0.25	8	10.1	8.0
80 AP	1100	1220	1250	1750	780	540	100	150	160	6	190	3.7	0.09	0.25	4	7.8	4.0
100 AP	1350	1420	1260	1750	980	560	200	210	210	6	300	5.5	0.09	0.25	6	11.6	6.0
120 AP	1550	1600	1450	2100	1170	700	300	260	310	6	300	7.5	0.25	0.25	8	15.8	8.0
80 SZD	1700	1580	1440	1910	780	540	100	270	250	3	300	2.2	0.09	0.25	6	8.3	6.0
100 SZD	1700	1790	1450	1910	980	560	200	300	390	3	300	2.2	0.09	0.25	8	10.3	8.0
120 SZD	1900	1990	1625	2200	1170	700	300	380	430	3	300	3	0.25	0.25	10	13.3	10.0
80 SZD AP	1585	1580	1450	1910	780	540	100	260	300	6	300	5.5	0.09	0.25	6	11.6	6.0
100 SZD AP	1785	1800	1450	1910	980	560	200	260	450	6	300	5.5	0.09	0.25	8	13.3	8.0
120 SZD AP	1900	1900	1650	2100	1170	700	300	300	490	6	300	7.5	0.25	0.25	10	17.8	10.0
80 2B	1140	1800	1480	2090	780	540	100	2 x 150	280	2 - 2	100 - 100	0.55 - 0.55	0.09	0.25	2 x 6	12.7	12.0
100 2B	1340	2000	1480	2090	980	560	200	2 x 250	430	2.7 - 2	160 - 100	1.5 - 0.55	0.09	0.25	2 x 8	17.6	16.0
120 2B	1550	2200	1690	2290	1170	700	300	2 x 320	480	3 - 2	210 - 100	1.8 - 0.55	0.25	0.25	2 x 10	22.1	20.0
80 2B AP	1220	1800	1480	2090	780	540	100	2 x 150	320	6 - 2	190 - 100	3.7 - 0.55	0.09	0.25	2 x 6	15.8	12.0
100 2B AP	1420	2000	1480	2090	980	560	200	2 x 250	470	6 - 2	300 - 100	5.5 - 0.55	0.09	0.25	2 x 8	21.6	16.0
120 2B AP	1650	2200	1690	2290	1170	700	300	2 x 320	520	6 - 2	300 - 100	7.5 - 0.55	0.25	0.25	2 x 10	28.0	20.0
MOD. HT	+50	+50	+25														

(*) Accessories excluded

ROBUR

MODELS LT (FOR T ≤ 60 °C)	EXTERNAL DIMENSIONS (*) mm				WASHING CAPACITY			TANK	MASS (*)	PUMP			MECH. ROT.	EXTRA CT.	HEAT.	TOTAL (*) KW ENERG.		POWER SUPPLY	
	A	B	H CLOSE	H2 OPEN	Ø mm	H1 mm	P Kg	I	Kg	Bar	l/min	KW	KW	KW	KW	KW		VOLT	PH
1000	1700	2130	2100	2870	1000	700	600	400	460	4	320	4	0.18	0.37	12	16.2	12.0	400	3
1200	1900	2700	2020	3100	1200	800	600	500	510	4	320	4	0.18	0.37	18	22.2	18.0	400	3
1400	2100	3100	2150	3400	1400	900	600	700	650	4	320	4	0.18	0.37	24	28.2	24.0	400	3
1800	2500	3900	2280	3500	1800	1000	800	1000	960	5	500	7.5	0.18	0.37	30	37.7	30.0	400	3
2200	2900	4700	2300	3500	2150	1000	1000	1200	1300	6	600	11	0.18	0.37	36	51.2	36.0	400	3
1000 AP	1700	2130	2100	2870	1000	700	600	400	500	8/9	320	7.5	0.18	0.37	12	19.7	12.0	400	3
1200 AP	1900	2700	2020	3100	1200	800	600	500	600	8/9	320	7.5	0.18	0.37	18	25.7	18.0	400	3
1400 AP	2100	3100	2150	3400	1400	900	600	700	700	8/9	320	7.5	0.18	0.37	24	31.7	24.0	400	3
1800 AP	2500	3900	2280	3500	1800	1000	800	1000	1050	8/9	500	15	0.18	0.37	30	45.2	30.0	400	3
2200 AP	2900	4700	2300	3500	2150	1000	1000	1200	1380	8/9	600	15	0.18	0.37	36	55.2	36.0	400	3
MODELS HT (FOR T > 60 °C)	+50	+50	+50																

(*) accessories excluded

15. EC DECLARATION OF CONFORMITY

RECYL SAS

17 Rue De Montreal – 74100 Ville La Grand Annemasse - France
Tel. +33 450924868 – Fax +33 450955472

The manufacturer declares that the machine:

RECYL SAS 17 rue de Montréal 74100 Ville-la-Grand (France)			
Designation of the machinery (designazione della macchina)			
Washing machine for removing working residues and contaminants from metal alloys or plastic manufacts Impianto di lavaggio manufatti in plastica o leghe metalliche per la rimozione di residui di lavorazione e contaminanti			
Designation of series/type (designazione serie/tipo)		Unix 80 2 bagni	
Serial number (numero di serie)		9722	
Year of construction (Anno di costruzione)		2015	
Air supply (alim. pneumatica)		6 bar	
Power supply (alim. elettrica)		400 V 3PH+T+N 50 HZ 26,0 A	
Weight (massa)		---	
MacCode: 93-0484		EleCode: 18-0932	
THE USER MUST CAREFULLY FOLLOW THE INSTRUCTIONS INCLUDED IN THE USER MANUAL AND ITS ATTACHMENTS			

complies with the safety requirements of the following EU directives:

- Machinery Directive 2006/42/EC;
- Low Voltage Directive 2006/95/EC;
- Electromagnetic Compatibility (EMC) Directive 2004/108/EC.

The person authorised to create the technical file is Mr. Aurelio Caroli

This Declaration of Conformity **does not cover** the following components:

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that have been chosen and supplied by the customer. The Declaration only includes the setting-up for their installation, that was performed according to the instructions of the manufacturer of these components.

In Budrio (BO) - Italy (date) 30 APR 2015

Legal Representative

Bertrand CHRISTEN