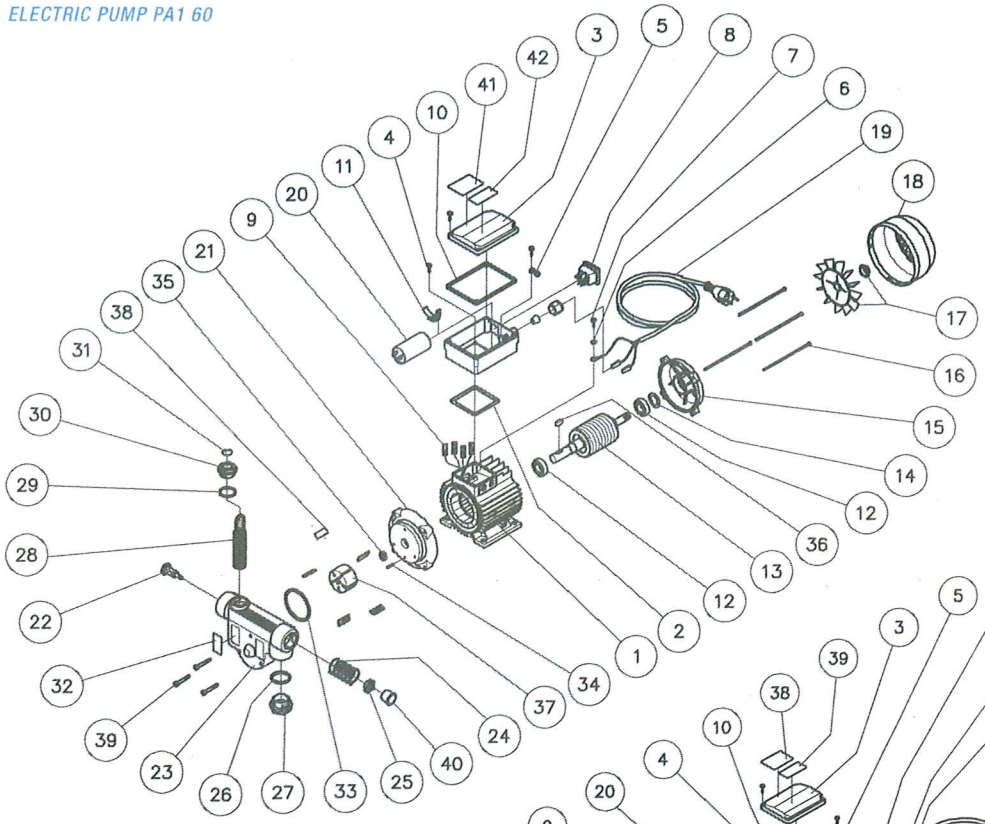
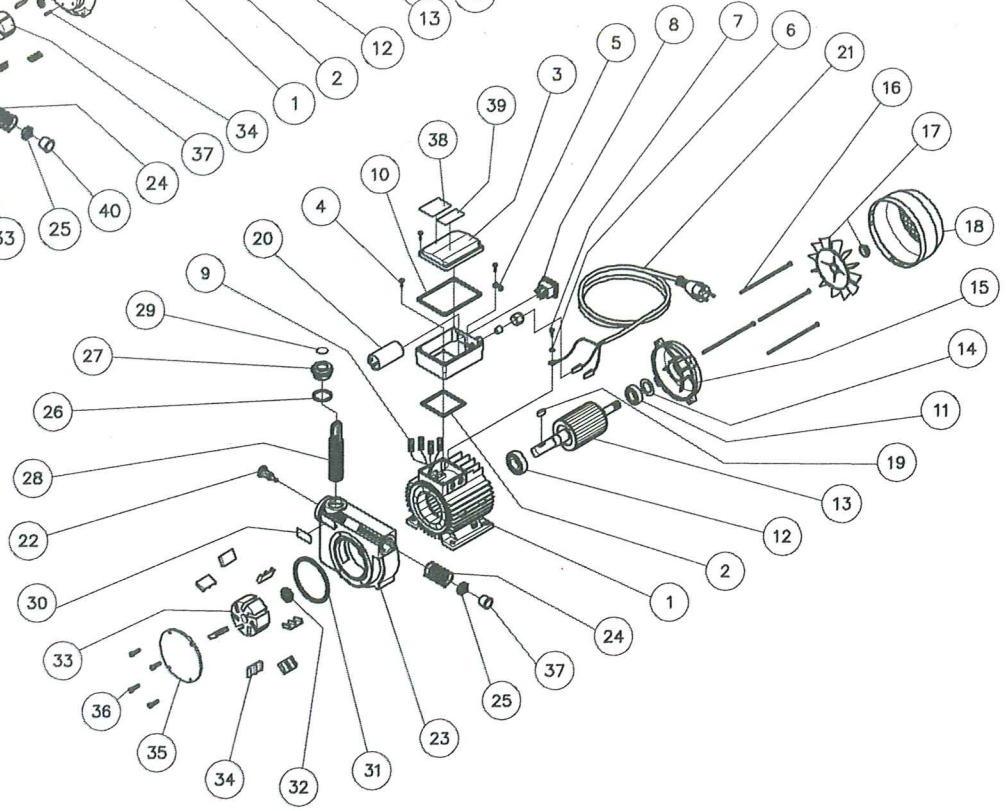
ELECTRIC PUMP PA1 60



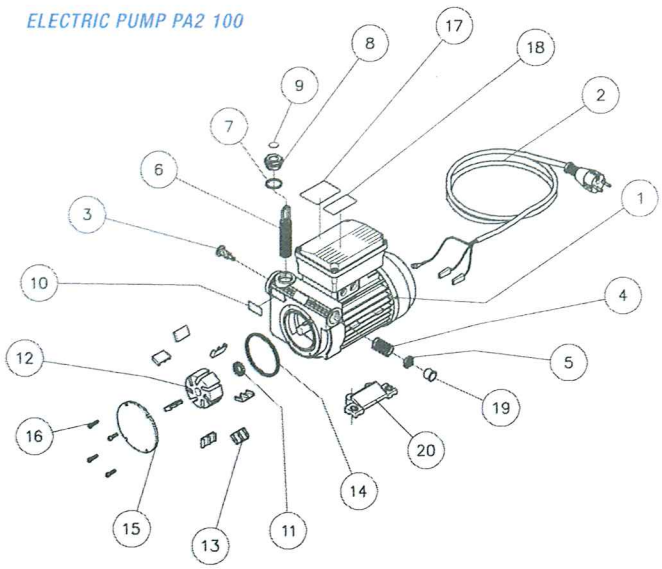
ELECTRIC PUMP PA2 80



6.3 ELECTRIC PUMP PA2 100

POS.	DESCRIPTION	REFERENCE		QTY
		230 Volts	115 Volts	
1	MOTOR MEC80	71009018	71009019	1
2	ELECTRIC BLACK CABLE	190200000000	190000190000	1
3	BY-PASS VALVE	71000520	71000520	1
4	BY-PASS SPRING	16001005	16001005	1
5	BY-PASS CAP	71000521	71000521	1
6	BIG PUMP FILTER	41410000	41410000	1
7	O-RING 3118	18001008	18001008	1
8	METAL CAP 1"	17001094	17001094	1
9	"FILTER" STICKER	71000587	71000587	1
10	"CLEAN FILTER" STICKER	71000546	71000546	1
11	ROTARY SEAL 20307	12001015020	12001015020	1
12	PUMP ROTOR Ø72	61000010	61000010	1
13	VANE	71000569	71000569	7
14	O-RING 85 X 3	18001022	18001022	1
15	PUMP COVER	71000063	71000063	1
16	SCREW M5 X 16	13001007	13001007	4
17	"DANGER" STICKER	71000653	71000653	1
18	"CE" STICKER	220000000000	220000000000	1
19	PLASTIC CAP Ø31	163013500000	163013500000	2
20	FOOT FOR MOTOR MEC80	240023MEC80	240023MEC80	2

ELECTRIC PUMP PA2 100



3.2 MECHANICAL RISKS

Parts subjected to wear:
- The vanes.
- The bearings.
- The rotor.

These parts should be replaced with original spare parts by qualified personnel at authorized service centers.

Risks due to extreme temperatures
Very low temperature can freeze the diesel inside the pump. This situation can cause serious damage to the pump. High temperatures (above 45° C) may cause the plastic parts in the unit to expand. The unit should thus be placed in a well ventilated place and be protected from the sun.

3.3 MACHINE TECHNICAL DATA CHART

Motor constructive features:
Closed self - ventilated two poles motor with IP 55 protection, insulation class F.
Pump constructive features:
Pump body: G 25 CAST IRON
Motor rest: G 25 CAST IRON
Impeller: SINTERED IRON
Motor shaft: INOX STEEL

4. NOISE LEVEL

The working pump, with liquid inside, doesn't exceed the value of 70 db (A) of emission level of sound pressure at a distance of 1 meter from the electric pump.

5. WARNING SIGNS

5.1 LABEL INDICATING THE DANGER



6. SPARE PARTS LIST

6.1 ELECTRIC PUMP PA1 60

POS.	DESCRIPTION	REFERENCE		QTY
		230 Volts	115 Volts	
1	STATOR MEC 63	232204000000	71009023	1
2	JUNCTION BOX SEAL 63/71-2	10501000000		1
3	CAPACITOR HOLDER Ø 10	140250100000		1
4	SCREW Ø 3,5 X 13	80801215000		10
5	CABLE FITTING	140250300000		1
6	SPACER WASHER Ø 4	80301400000		1
7	SCREW M4 X 8	82301410100		1
8	SWITCH 22 X 30	190050210000		1
9	SPADE CONNECTOR COVER 6,3	190110000000		6
10	JUNCTION BOX SEAL FKL 71	10502000000		1
11	CAPACITOR CLIPS	140250200000		1
12	BEARING 6201 2RS	101001600000		2
13	SHAFT ROTOR MEC 63	6290150000L		1
14	SPRING WASHER Ø 32	84500000000		1
15	FAN FLANGE MEC 63	15501600000X		2
16	HOUSING BOLT M5 X 125	61004600000		4
17	FAN MEC 63 WITH METAL RING Ø12	140250400000		1
18	FAN COVER MEC 63	140250500000		1
19	ELECTRIC BLACK CABLE	190200000000	190000190000	4
20	CAPACITOR	190060000000	190061000000	1
21	FLANGE	61715000000	61715000000	1
22	BY-PASS VALVE	71000520	71000520	1
23	PUMP HOUSING 60 LT 1"/ 1"	71000036	71000036	1
24	BY-PASS SPRING	16001005	16001005	1
25	BY-PASS CAP	71000521	71000521	1
26	O-RING 3118	18001008	18001008	1
27	METAL CAP 1"	17001094	17001094	1
28	SMALL PUMP FILTER	41140000	41140000	1
29	O-RING 132	11010200400	11010200400	1
30	METAL CAP 3/4"	17001006	17001006	1
31	"FILTER" STICKER	71000587	71000587	1
32	"CLEAN FILTER" STICKER	71000546	71000546	1
33	O-RING 2212	18001014	18001014	1
34	FLANGE PIN Ø4 X 14	91214140000	91214140000	1
35	ROTARY SEAL 10196	12010031000	12010031000	1
36	SHAFT KEY 3 X 3 X 15	17001097	17001097	1
37	PUMP ROTOR Ø45	61000003	61000003	1
38	VANE	71000522	71000522	5
39	SCREW M5 X 45	13001002	13001002	3
40	PLASTIC CAP Ø31	163013500000	163013500000	2
41	"DANGER" STICKER	71000653	71000653	1
42	"CE" STICKER	220000000000	220000000000	2

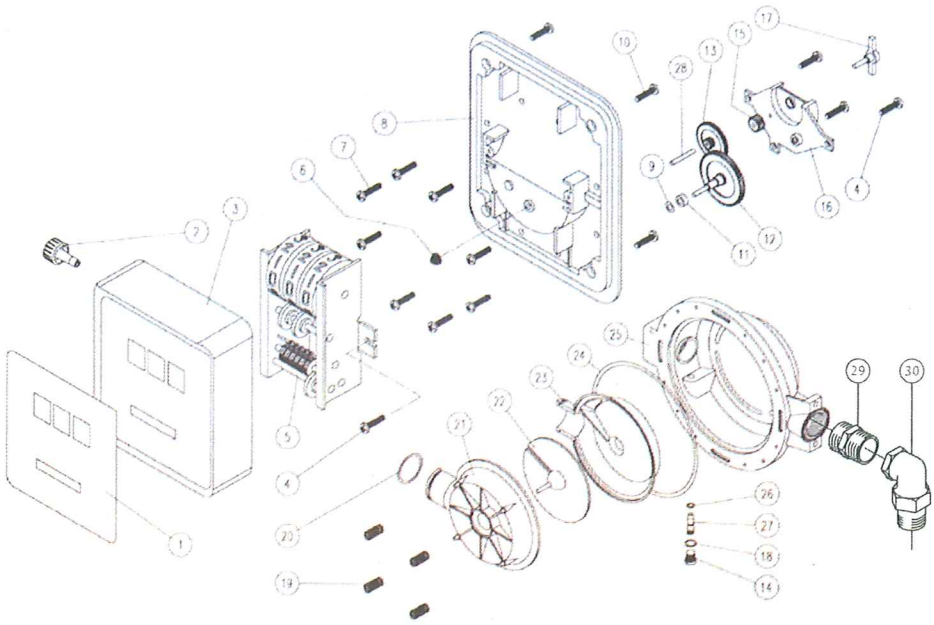
MOTOR 115V

6.2 ELECTRIC PUMP PA2 80

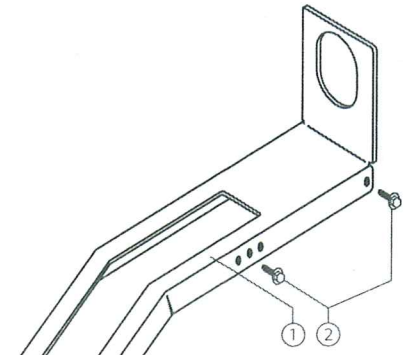
POS.	DESCRIPTION	REFERENCE		QTY
		230 Volts	115 Volts	
1	STATOR MEC 71	64100000000	71009023	1
2	JUNCTION BOX SEAL 63/71-2	10501000000	(Motor 115V)	1
3	CAPACITOR HOLDER Ø10	140250100000		1
4	SCREW Ø 3,5 X 13	80801215000		10
5	CABLE FITTING	140250300000		1
6	SPACER WASHER Ø4	80301400000		1
7	SCREW M4 X 8	82301410100		1
8	SWITCH 22 X 30	190050210000		1
9	SPADE CONNECTOR COVER 6,3	190110000000		6
10	JUNCTION BOX SEAL FKL 71	10502000000		1
11	BEARING 6202 2RS	101001700000		1
12	BEARING 6204 2RS	101001880000		1
13	SHAFT ROTOR MEC 71	62901700000		1
14	SPRING WASHER Ø32	84505000000		1
15	FAN FLANGE MEC 71	15502600000X		1
16	HOUSING BOLT M5 X 125	6100450000Z		4
17	FAN MEC 71 WITH METAL RING Ø14	140260400000		1
18	FAN COVER MEC 71	140260500000		1
19	SHAFT KEY 6 X 6 X 20	90505050000		1
20	CAPACITOR	190061000000		1
21	ELECTRIC BLACK CABLE	190200000000	190000190000	1
22	BY-PASS VALVE	71000520	71000520	1
23	PUMP HOUSING 80 LT 1"/ 1"	71000060	71000060	1
24	BY-PASS SPRING	16001005	16001005	1
25	BY-PASS CAP	71000521	71000521	1
26	O-RING 3118	18001008	18001008	1
27	METAL CAP 1"	17001094	17001094	1
28	BIG PUMP FILTER	41410000	41410000	1
29	"FILTER" STICKER	71000587	71000587	1
30	"CLEAN FILTER" STICKER	71000546	71000546	1
31	O-RING 85 X 3	18001022	18001022	1
32	ROTARY SEAL 20307	12001015020	12001015020	1
33	PUMP ROTOR Ø72	61000010	61000010	1
34	VANE	71000569	71000569	7
35	PUMP COVER	71000063	71000063	1
36	SCREW M5 X 16	13001007	13001007	4
37	PLASTIC CAP Ø31	163013500000	163013500000	2
38	"DANGER" STICKER	71000653	71000653	1
39	"CE" STICKER	220000000000	220000000000	1

MOTOR 115V

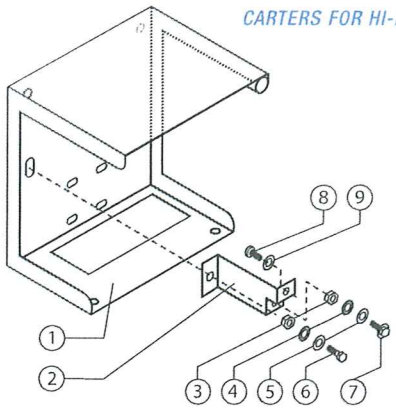
FLOWMETER Z98



FIX-UP MODEL



CARTERS FOR HI-FI MODELS



6.4 FLOWMETER Z98

POS.	DESCRIPTION	REFERENCE	QTY
1	FACE PLATE Z' 98	62101000000	1
2	RESET KNOB	62302000000	1
3	BLACK COVER	140051000000	1
4	SCREW M4 X 10	80901439100	5
5	REGISTER- 3 DIGITS	62202000000	1
6	BEVEL GEAR	61407000000	1
7	SCREW M5 X 12	80901814100	8
8	COVER HOUSING	155005000000	1
9	O-RING 2015	11010040200	1
10	SCREW Ø 5 X 35	80401838100	4
11	BUSH Ø4 X Ø12 sp4	61604000000	1
12	GEARED WHEEL SPINDLE Ø45	61404000000	1
13	GEARED WHEEL Ø36	61406000000	1
14	CALIBRATION CAP 1/8"	61000800000	1
15	CYLINDRIC GEAR Ø9	61402000000	1
16	TRIANGULAR BRACKET	61801000000	1
17	PIN WITH LEVER	60515000000	1
18	O-RING 108	11010100200	1
19	SPRING	33605060950	4
20	O-RING 20 x 3	11020300000	1
21	UPPER MEASURING CHAMBER	61201000000	1
22	REVOLVING DISK	14030000000X	1
23	LOWER MEASURING CHAMBER	61202000000	1
24	O-RING 4400	11010460600	1
25	ALUMINIUM BODY	60920000000	1
26	O-RING 2018	11010050200	1
27	CALIBRATION SCREW 1/8"	6100050000X	1
28	PIN Ø 2 x 17,5	60518000000	1
29	NIPPLE 1"M X 1"M	250053200000	1
30	PIPE UNION 1"M X 1"F	250172000200	1

6.5 FIX-UP MODEL

POS.	DESCRIPTION	REFERENCE	QTY
1	NOZZLE SUPPORT	61810000000	1
2	FLANGED SCREW Ø6 X 20	81282325100	2

6.6 CARTERS FOR HI-FI MODELS

POS.	DESCRIPTION	REFERENCE	QTY
1	PANEL HI-FI	6180490000X	1
2	METER SUPPORT HI-FI	6180660000X	1
3	NUT M6	81622310000	5
4	BLOCKING WASHER Ø 6	83702300000	5
5	WASHER Ø6	83102322100	5
6	SCREW T.E. Ø 6 X 14	80232320100	1
7	FLANGED SCREW T.E. Ø 6 X 20	81282325100	4
8	WASHER Ø 5	83101810000	1
9	SCREW Ø 5 X 10	80501813100	1

6.7 ACCESSORIES

Unavailable accessories in spare parts:

DESCRIPTION	REFERENCE	QTY	PRODUCT
RUBBER HOSE Ø20 1" X 1" 4Mt	201015035030	1	LIGHT PUMP 60
			FIX UP 60
			HI-FI 60
RUBBER HOSE Ø25 1" X 1" 4Mt	201025035020	1	LIGHT PUMP 80-100
			HI-FI 80
HOSEBARB 1" X 25	240015025000	1	LIGHT PUMP 60-80-100
			HI-FI 60-80
HOSE CLAMP 20 X 32	91505270000	1	LIGHT PUMP 60-80-100
			HI-FI 60-80
MANUAL NOZZLE TOP GUN 1"	2705150500000	1	LIGHT PUMP 60-80-100
			FIX UP 60
			HI-FI 60-80
TELESCOPIC TUBE	24000500000F	1	FIX UP 60
METAL RING	240010000000	1	
BLACK PLASTIC CLAMP	93500000000	1	
FILTER FOR TELESCOPIC TUBE 3/4" M	17001102	1	
REDUCTION 1"M - 3/4"F	17001057	1	

In conformity with the European Directive 2002/96/EC concerning the elimination of electric and electronic equipments, (WEEE), the symbol herewith on the pump and/or on its packaging indicates that you have to dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local recycling service and place into the appropriate recycling bin.
Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use your local recycling service and dispose in the correct manner. This will allow the recycling of raw materials and help protect the environment.