

# ROTHENBERGER



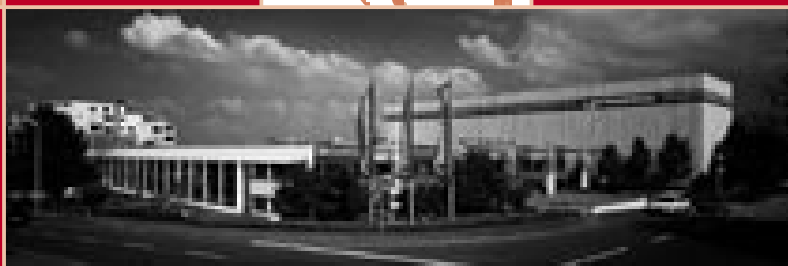
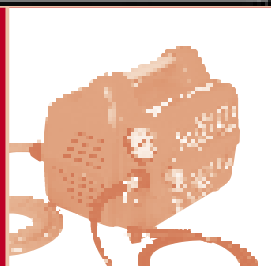
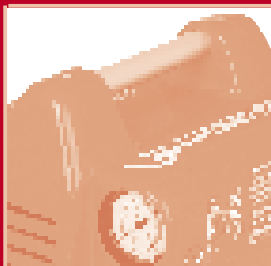
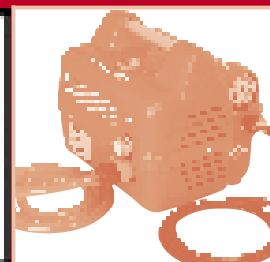
## RP PRO II

Bedienungsanleitung  
Instructions for use  
Instruction d'utilisation  
Instrucciones de uso  
Istruzioni d'uso  
Gebruiksaanwijzing  
Instruções de serviço  
Bruksanvisning  
Användningsinstruktioner

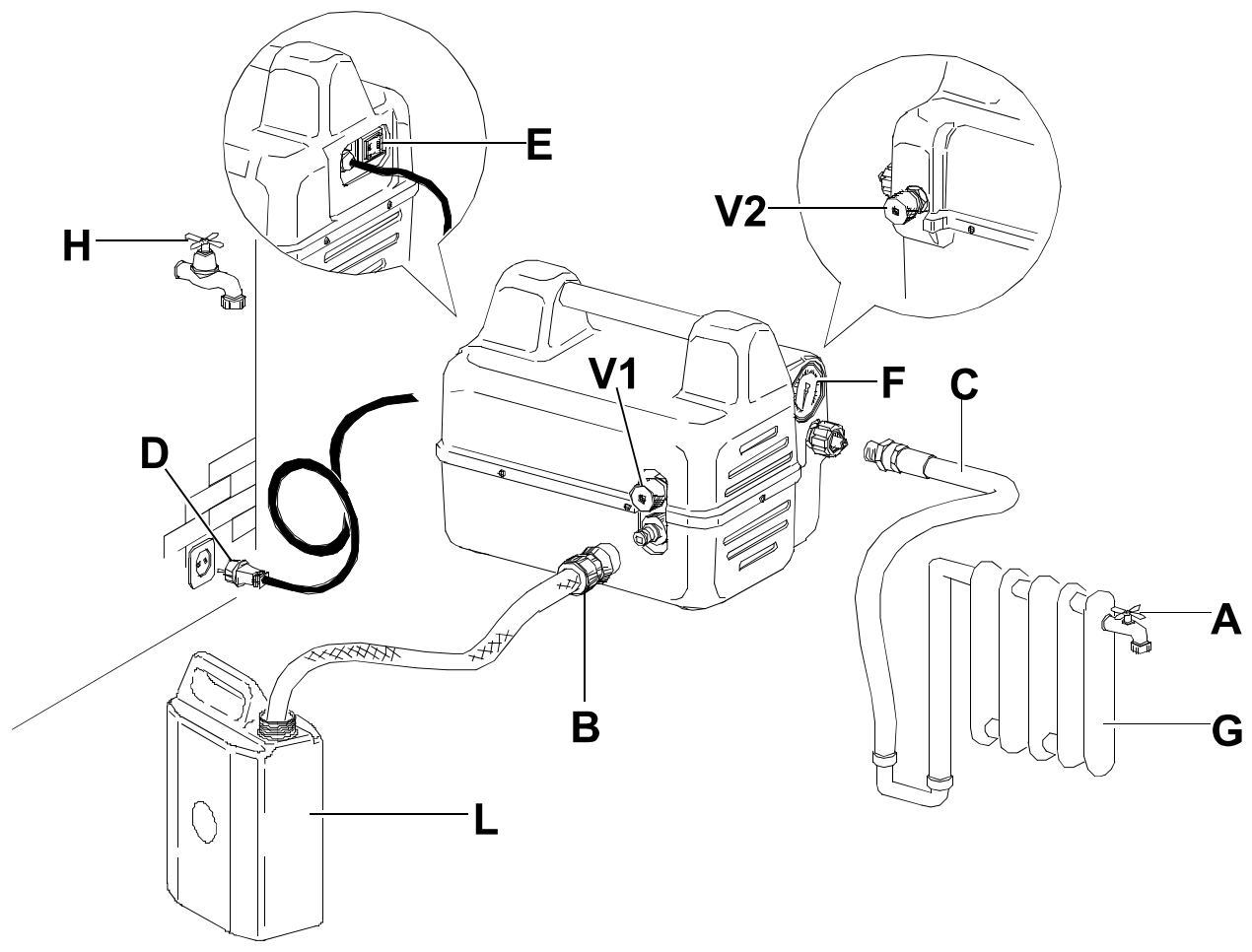


[www.rothenberger.com/manuals](http://www.rothenberger.com/manuals)

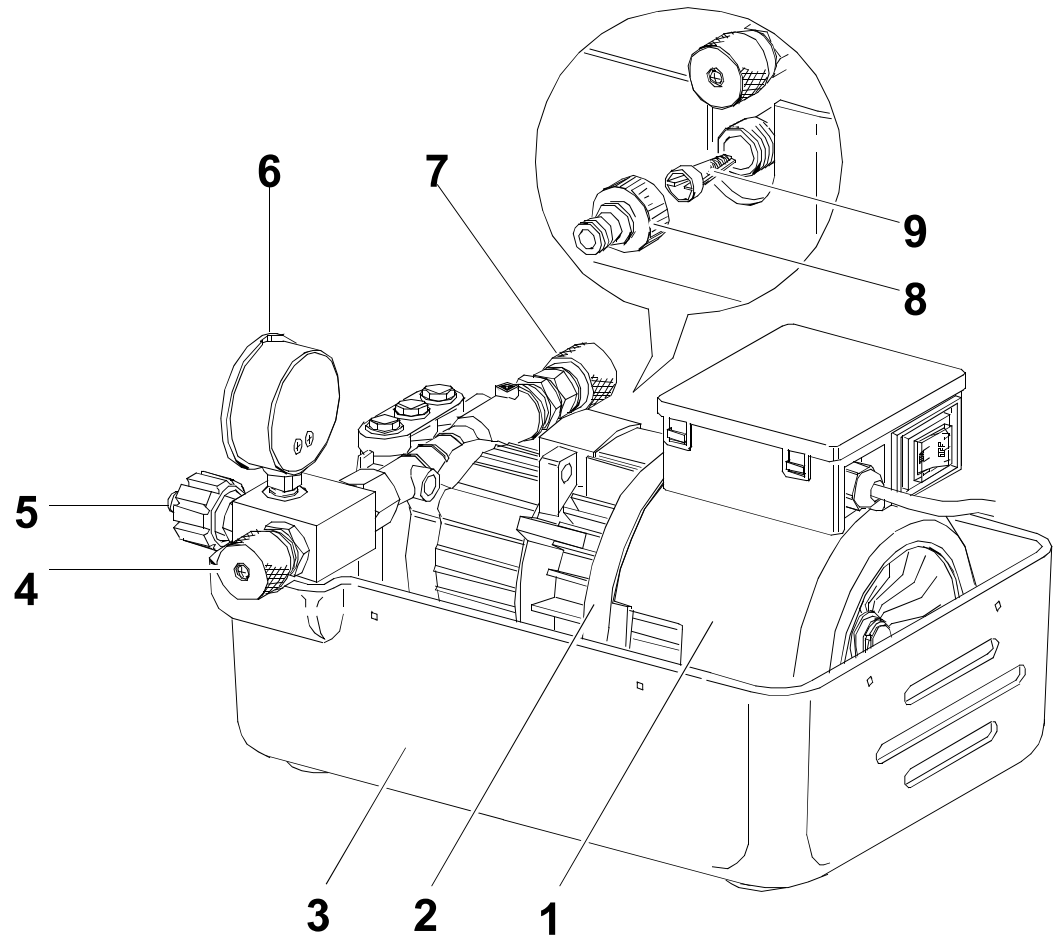
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**A**



**B**



# OPERATING INSTRUCTIONS

## Technical data

Power: 220-240 V., 50 Hz (110 V.), single phase.  
Rated motor output: 1,6 Kw.  
Rated current: 5 A.  
Protection class: IPX4  
Max. pressure: 40 bar

## Further information

Rated flow: max 8 l/min  
Unit net weight: Kg. 13,4  
Unit overall dimensions: 360 x 300 x 295 mm.  
Feeding water: clean fresh water, max. temp. 40° C,  
min. pressure 1 bar  
High pressure hose: inner diam. 1/4", 2 m. long  
Lubricant: oil SAE 15-30  
Noise level: not higher than 68 dB (A)

## Outer view (A)

- A) Master bleeder
- B) Feeding water connector
- C) High pressure hose
- D) Cord with plug
- E) ON/OFF switch of the power pump
- F) Manometer
- G) Piping system to be tested
- H) Water network
- L) Water tank
- V1) Pressure adjusting valve V1 with knob
- V2) Closing valve V2 with knob

## Outer view (B)

- 1) Motor+pump assembly
- 2) Motor-pump clamp
- 3) Lower cover
- 4) Valve V2
- 5) 1/4" quick coupling
- 6) Manometer 0-60 bar 1/4"
- 7) Valve V1
- 8) Inlet water joint 3/4"
- 9) Conic water filter

## Intended use

Testing of pipework installations.

## Routine maintenance

Before connecting the pump to the power and water supplies:

- a) Check carefully serviceability of h.p. hose and cord with plug. If necessary, replace them with new ones.

- b) Check water filter. Get it clean or replaced, if required.

## Repair, replacement of parts

Replacement of parts, power pump overhaul, serviceability checks are to be carried out by appointed Service Centers only.

## Operating instructions

1. Open master bleeder (pos. A of the of outer view) of the piping system to be tested (pos. G).
2. Connect the water inlet hose (pos. B of the of outer view) to the power pump. It is possible to feed the testing power pump in two ways:
  - a) directly from the water network (min. 1 bar pressure) – pos. H of the outer view,
  - b) from a tank placed max. 1 meter below the level of the power pump (pos. L of the of outer view).
3. Connect the high pressure hose (pos. C of the of outer view) to both power pump and piping system (pos. G).
4. Open the valve V2 towards OPEN. Turn the valve V1 knob towards - bar till the its stop point.
5. Put the plug (pos. D of the of outer view) into its socket: the power must be 230 V, 50 Hz, single phase. Switch on the power pump (pos. E of the of outer view) and let it run until all air has been drained from tested piping.
6. Switch the power pump (pos. E) off and close the master bleeder (pos. A).
7. To submit the piping system to wanted test pressure:
  - a) switch again the power pump on,
  - b) turn slowly the valve V1 towards +bar increasing the pressure till wanted test pressure is pointed out by the manometer (pos. F of the of outer view),
  - c) close completely the valve V2 towards CLOSED.
8. If you notice that the manometer points out a pressure higher than the wanted one:
  - d) open fully the valve V2 towards OPEN and open the valve V1 towards - bar till reaching the wanted pressure,
  - e) close the valve V2 towards CLOSED,
  - f) switch the power pump off.
9. Once the piping test has been carried out, open fully the valve V2 towards OPEN and turn the valve V1 towards - bar.

# OPERATING INSTRUCTIONS

## Warning



- Use clean fresh water only and/or non-aggressive liquids.
- Once wanted pressure is reached, avoid the power pump running for more than 3 minutes.

## Fault, possible causes, repairs

Though switched on, the motor does not start running	
Current does not reach the motor terminal box	Check plug/socket contact. Check cord wires integrity up to terminal box. Reset the electrical feeding cut by motor thermal protection and/or replace blown fuses.
Current reaches the motor terminal box, however with too low voltage	Arrange for motor to be fed with correct 230V, 50 Hz (110 V.) electric current
Pump jammed up or stuck by ice. Motor rotor stuck	Apply to an appointed Service Center

Pump runs, however without making pressurised water	
Pump is fed with too small quantity of water	Check the feeding water hose: its inner diameter must be min. 15 mm.. Moreover the feeding water has to flow from cock with min. pressure of 1 bar
Considerable quantity of air mixed with inlet water	Put a vented storage tank in the water feeding line between cock and water inlet with the pump
Water filter clogged	Clean the filter
Pump water seals worn out or pump valves jammed	Apply to an appointed Service Center
Valve V1 at the minimum point of pressure	Turn the valve V1 till reaching the wanted pressure

Irregular pressure output combined to considerable noise	
Air mixed with feeding water	Check tightness at both ends of feeding water hose
Pump is fed with too small quantity of water	Check the feeding water hose: its inner diameter must be min. 15 mm. Moreover the feeding water has to flow from cock with min. pressure of 1 bar

Motor suddenly stops running	
Motor overheating (motor thermal protection stops it)	Let the overheated motor cool down and then switch it on again

Pump gets the tested piping pressurised but cannot keep wanted pressure	
Valve V2 does not perform properly	Check the functioning of the valve V2. Clean it and remove dirt that water may have carried inside

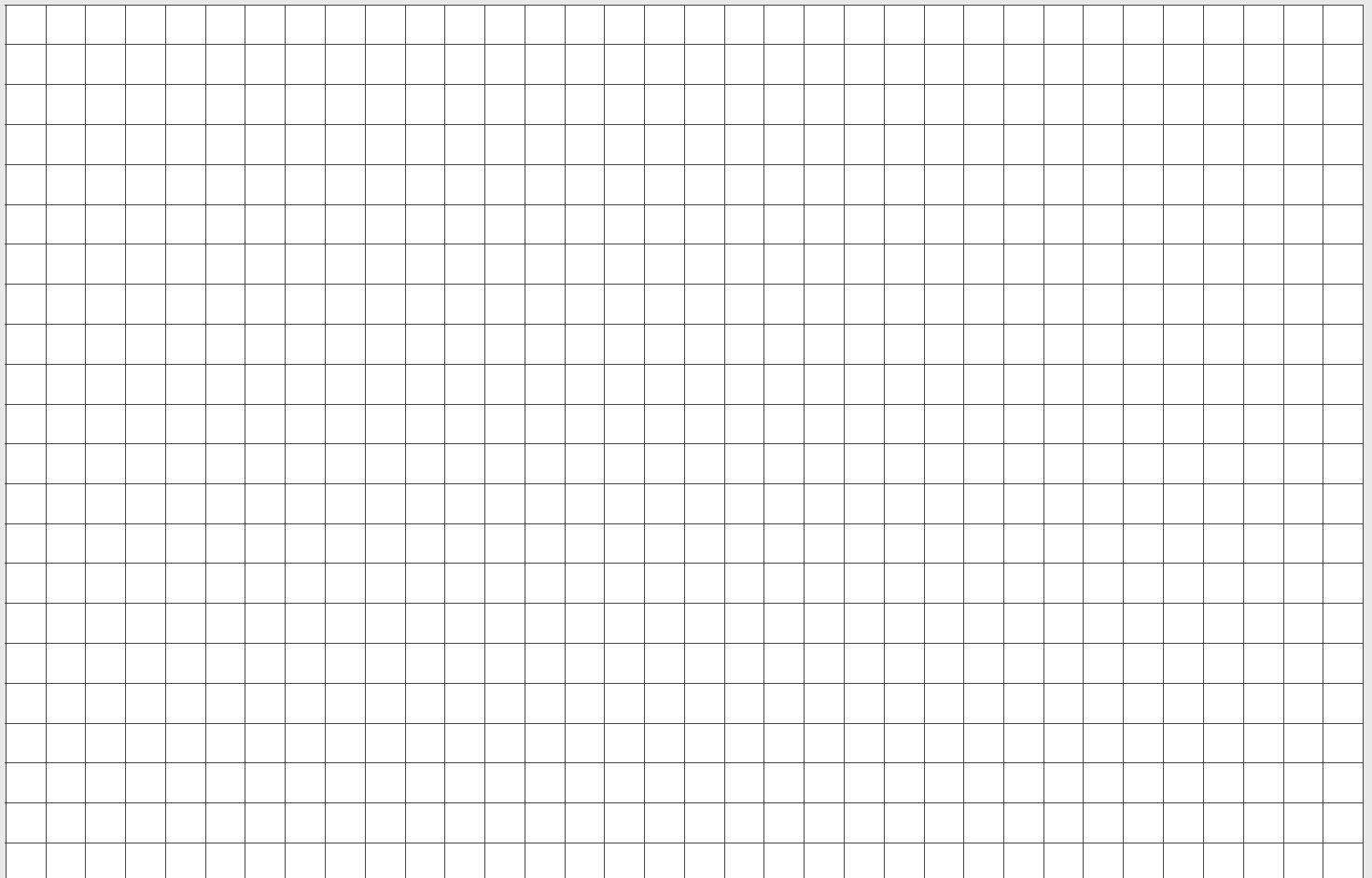
# OPERATING INSTRUCTIONS

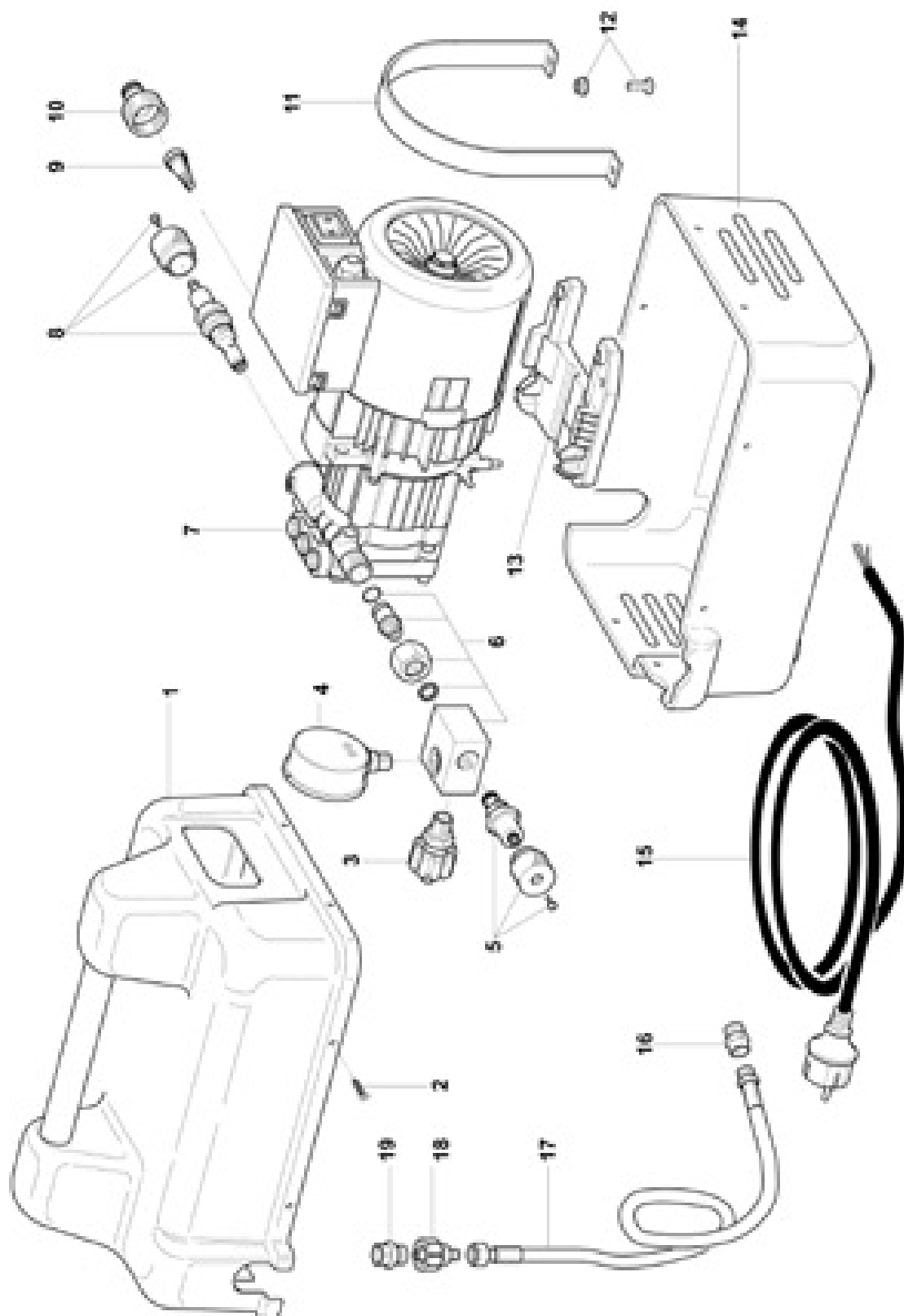
## Safety instructions

This document contains important instructions for people safety. It has been drawn up for the user. Carefully keep it for any further reference.

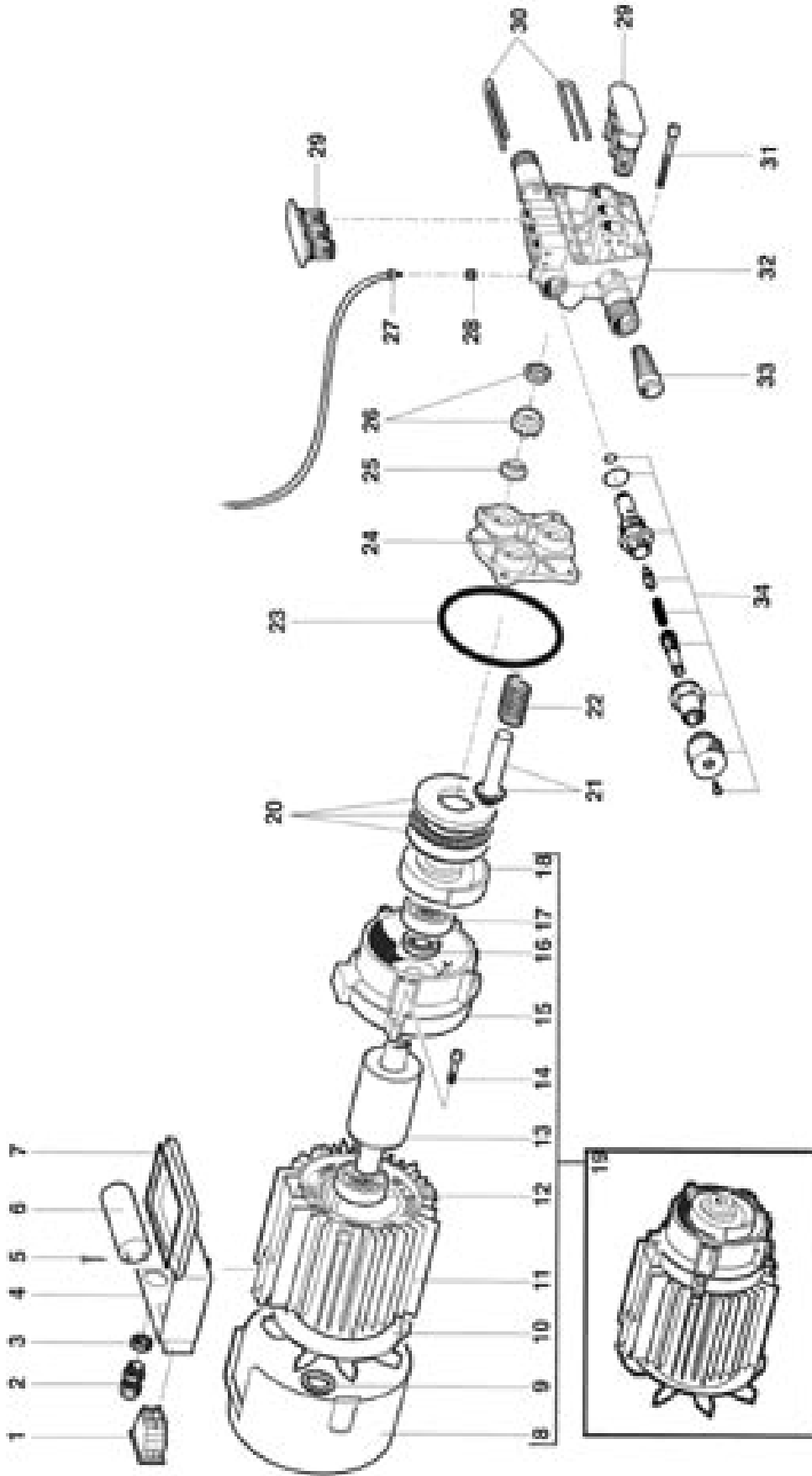
Please carefully read and follow these instructions for every starting of the testing power pump:

- 1) Be sure that the electric system is equipped with a ground fault interrupter switch.
- 2) Disconnect always the power pump at the end of every use and before the following operations:
  - Moving the power pump from a position to another,
  - Making any maintenance operations,
  - Making every check of accessories replacement.
- 3) Do not pull the electric cable, the water feeding hose, the high pressure hose connected to the piping system, in order to get any moving of the electric pump.
- 4) Never pull the power supply cable or the power pump in order to disconnect the plug from the socket.
- 5) Never allow incapable (children, teen-agers, etc.) or not trained people to use the power pump.
- 6) In order to guarantee the power pump safety, follow the manufacturer instructions and use original spare parts, components and accessories only or parts approved by the manufacturer.
- 7) The water jets can be very dangerous if used in an improper way: never point the jet to people, animals, equipment under pressure and to the power pump itself.
- 8) Do not point the water jet to yourself or to other people in order to clean clothes or shoes.
- 9) ATTENTION: hoses, accessories and couplings are really important for the power pump safety. Please use hoses, accessories and couplings recommended by the manufacturer only.
- 10) Do not use the power pump if the power supply cable or any other important parts (such as safety devices, high pressure hose, etc.) are damaged.
- 11) If an extension cable has to be used, the plug and the socket must be water-proof.
- 12) Improper cable extensions can be dangerous.





No.	Code
1	V120001
2	V120002
3	V110019
4	V110119
5	V120005
6	V120006
7	V120007 (220V) V121107 (110V)
8	V120008
9	V120009
10	V120010
11	V110110
12	V120012
13	V120013
14	V120014
15	V110113
16	V110130
17	V110131
19	V110132
20	V110132



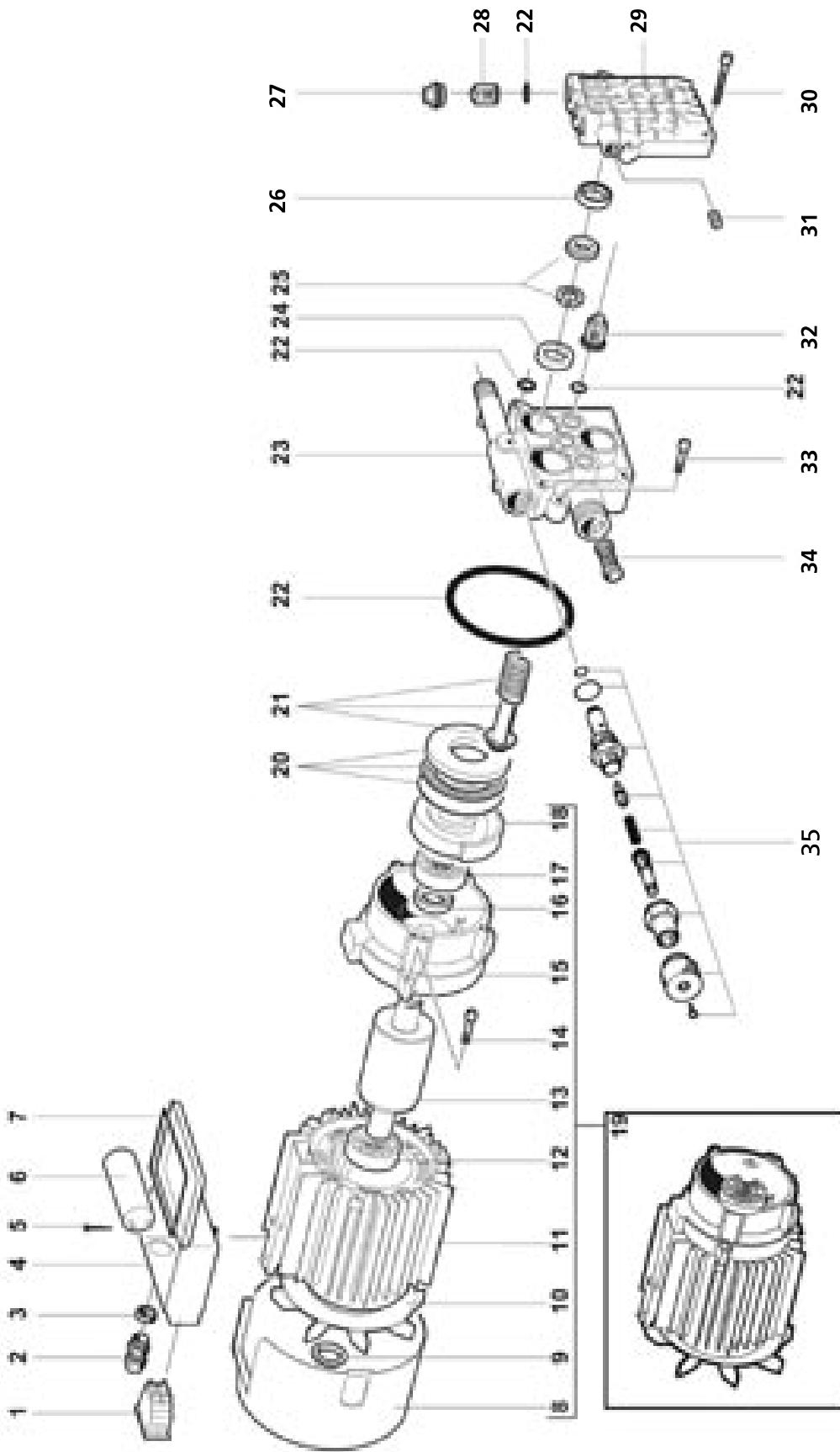
No.	Code
1	V12MP01
2	V110040
3	V11M003
4	V12MP04
5	V12M005
6	V12MP06
7	V12M007

No.	Code
8	V12M008
9	V12M009
10	V12M010
11	V12MP11
12	V12M012
13	V12MP13
14	V12MP14

No.	Code
15	V12M015
16	V12M016
17	V12M017
18	V12MP18
19	V12MP19
20	V11M020
21	V12MP21

No.	Code
22	V12MP22
23	V12MP23
24	V12MP24
25	V12M024
26	V12MP26
27	V12MP27
28	V12MP28

No.	Code
29	V12MP29
30	V12MP29
31	V12MP31
32	V12MP32
33	V12MP33
34	V12M035



No.	Code
1	V12M001
2	V12M002
3	V12M003
4	V12M104
5	V12M105
6	V12M106
7	V12M107

No.	Code
8	V12M108
9	V12M009
10	V12M110
11	V12M111
12	V12M112
13	V12M113
14	V12M014

No.	Code
15	V12M015
16	V12M016
17	V12M117
18	V12M118
19	V12M119
20	V12M020
21	V12M121

No.	Code
22	V12M022
23	V12M123
24	V12M124
25	V12M125
26	V12M126
27	V12M027
28	V12M028

No.	Code
29	V12M129
30	V12M030
31	V12M031
32	V12M032
33	V12M033
34	V12M034
35	V12M035