

# DISIFLUX PUMP

**Sanitizing and supplying functions  
for Heating, Cooling and Solar Systems**

- Sludges removal from heating and cooling systems
- Protective chemicals and antifreeze loading
- Cleaning of sanitary systems



To see a video tutorial follow the link below:

<https://www.facotchemicals.com/risanamento-impianti-termici/>



**DISIFLUX 35RI**



**DISIFLUX PRO 45RI**

**Information and instruction manual**



PRODOTTI CHIMICI E TECNICI - CHEMICAL AND TECHNICAL PRODUCTS

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CHEMISTRY IN ACTION

**DESCRIPTION:**

Professional washing-detergent pump, heated, suitable for cleaning, rehabilitation and gushing of heating and cooling systems, both conventional and radiant, of any type of plastic and metal material. Dissolves sludge, slag and metal oxides as well as bacterial mucilage, used in combination with the appropriate products of the T.EM.I.T. Treatment and Maintenance of Heating Systems (in particular ANTINEX+Thermakil®, FERRONEX or THERMAKIL depending on the case), preserving the boiler circulator.

The 2 kW electric resistance allows preheating the mixture, increasing its effectiveness and reducing intervention time. Equipped with an integrated trolley, it's ideal for residential systems, easy to handle and operate. Provided with 2.5 m braided hoses with female  $\frac{3}{4}$  "connections.



In addition to the rehabilitation of existing systems which are more compromised, it is suitable for cleaning new systems and filling solar thermal circuits.

The flow inverter, is useful for particularly clogged systems allowing the circulation of the mixture in both directions increasing the effectiveness of the treatment.



PUMP FLOW TO THE RIGHT, RETURN TO THE LEFT



PUMP FLOW TO THE LEFT, RETURN TO THE RIGHT

The DISIFLUX pump was built and designed to offer the user the minimum size, low weight, easy handling and safety combined with high flow rate and head performance.

The structure is made of a single shockproof reinforced polyethylene tank with centrifugal pump.

**WARNINGS:**

To avoid any impeller corrosion and blockage, after use remove as much water as possible from the pump, pipes and tank.

The DISIFLUX pump, despite being built with corrosion-resistant materials, **IS NOT ABLE TO RESIST TO THE ACTION OF THE ACIDS** used for limescale descaling.

In this case, use DISINEX pumps built in plastic material.

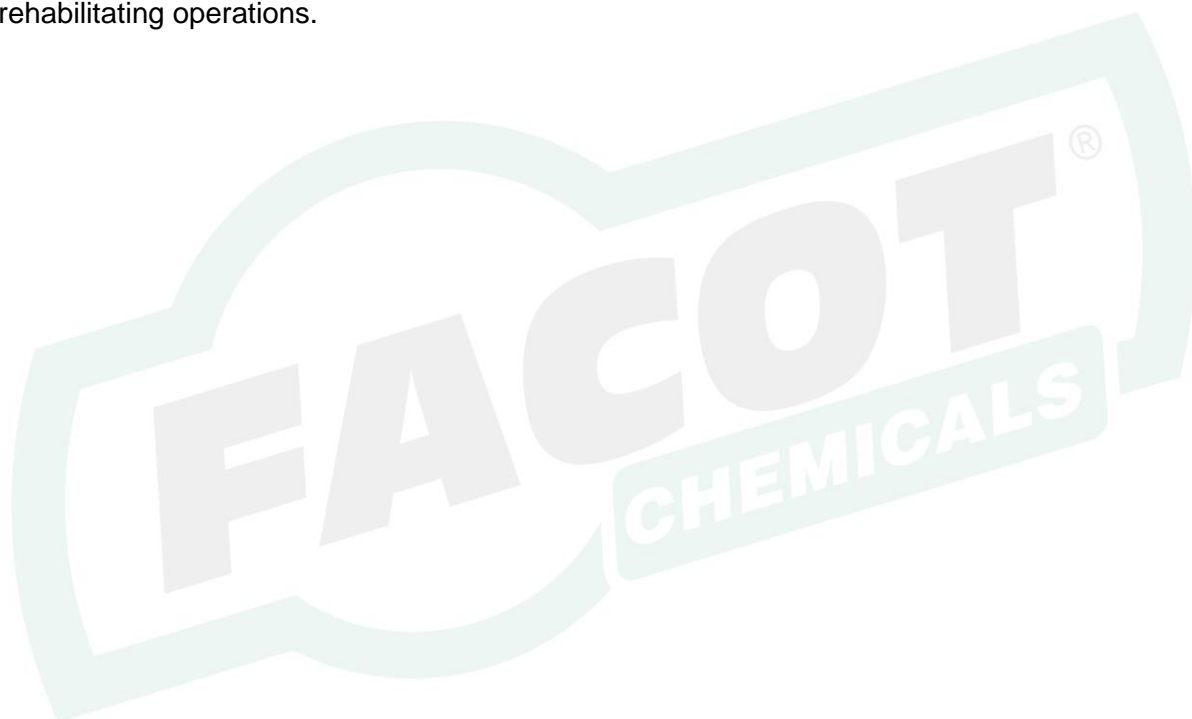
Facot sanitizing products are non-hazardous products, but for their use we recommend that you comply with the safety standards indicated on the packaging and on the specific safety data sheets (use gloves - protective apron - glasses and check that the room is well maintained during operations aerated) downloadable at any time from our website [www.facotchemicals.com](http://www.facotchemicals.com).

Do not approach the pump during use with lamps or open flames.

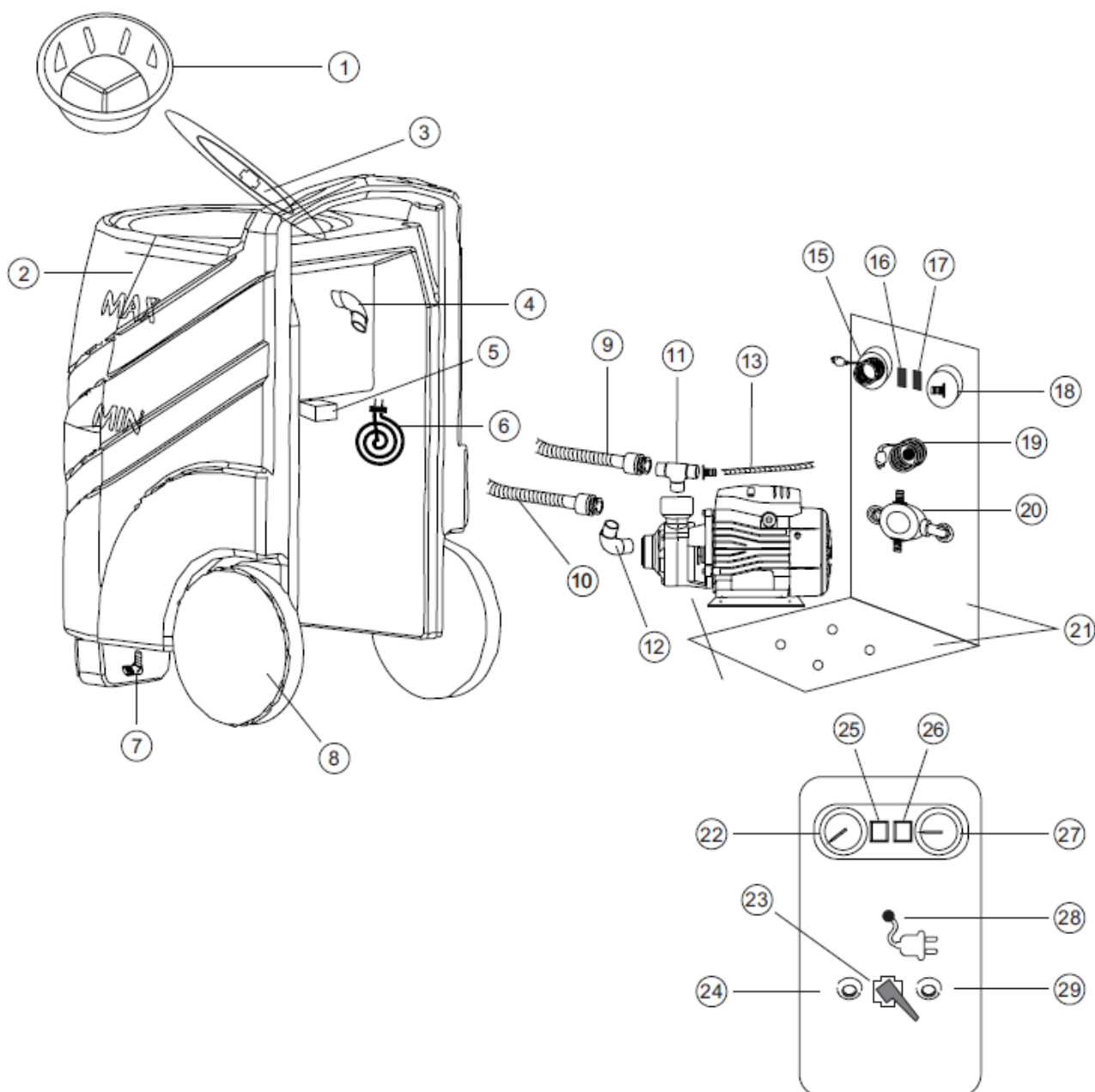
NEVER leave the pump running with no supervision.

Before rehabilitating the system with the pump, put the system under pressure to evaluate any leakage caused by the corrosion already present in the system, typical of dated and untreated plants.

In case of leaks, prepare a treatment with the FASTOP Series leak-proofing products, to be done after the rehabilitating operations.

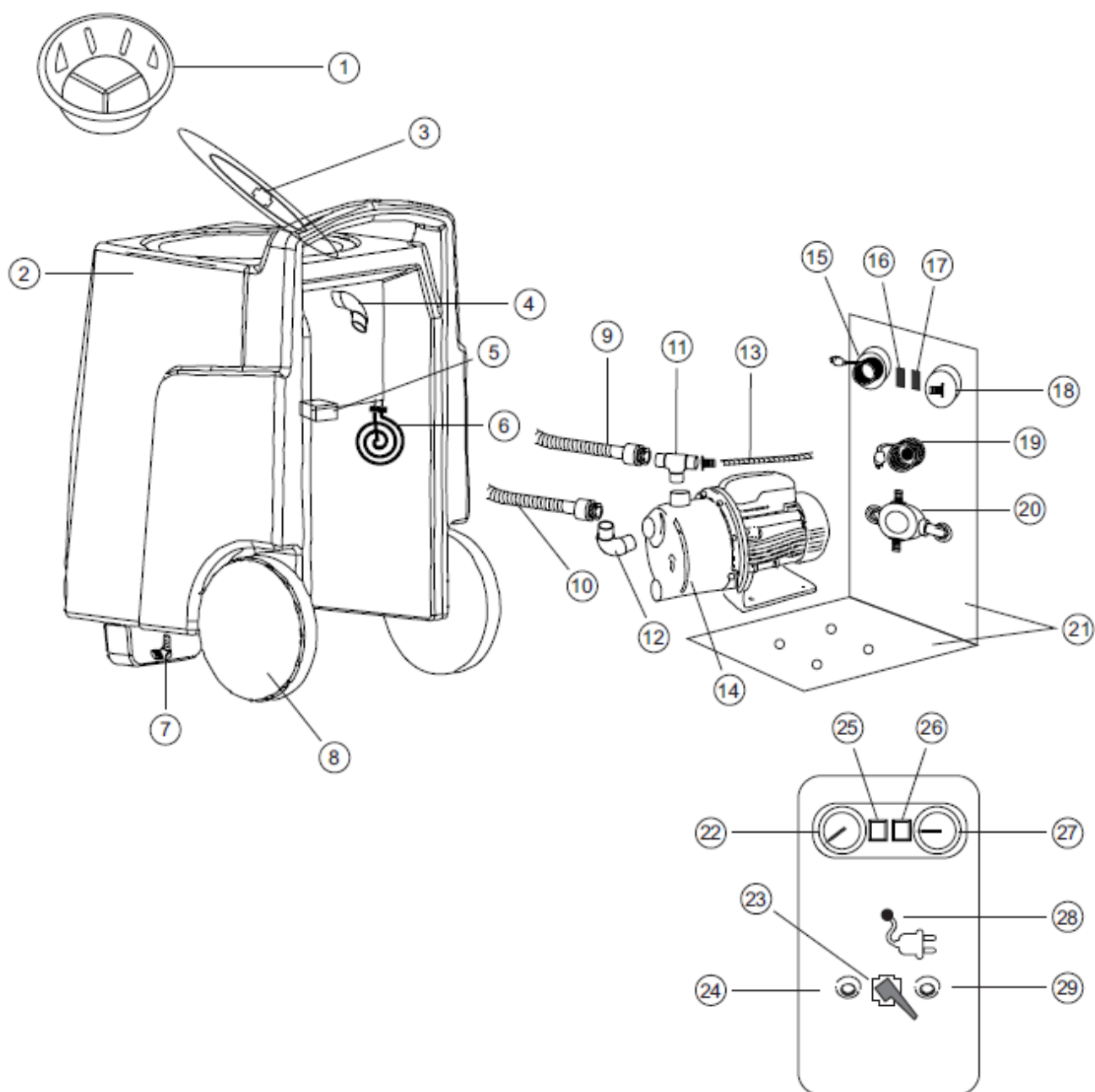


# Exploded view DISIFLUX 35 RI



Ref.	Description	Ref.	Description	Ref.	Description
1.	Filter	11.	2 way connector 3/4 "	21.	Rear and bottom metal panel
2.	Tank	12.	Elbow 3/4 "	22.	Pressure indicator
3.	Tank cap	13.	Braided hose	23.	Flow reversal valve
4.	Elbow	14.	Pump	24.	Pressure / return line 3/4 "
5.	Thermostat	15.	Heater meter	25.	Pump switch
6.	Heating coil	16.	Pump switch	26.	Resistance switch
7.	Elbow 1/2 "	17.	Heater switch	27.	Temperature indicator
8.	Wheel	18.	Pressure gauge	28.	Electrical wire
9.	Connection hose 1/2 "	19.	Electric wire	29.	Pressure / return line 3/4 "
10.	Connection hose 1/2 "	20.	4-way ball valve		

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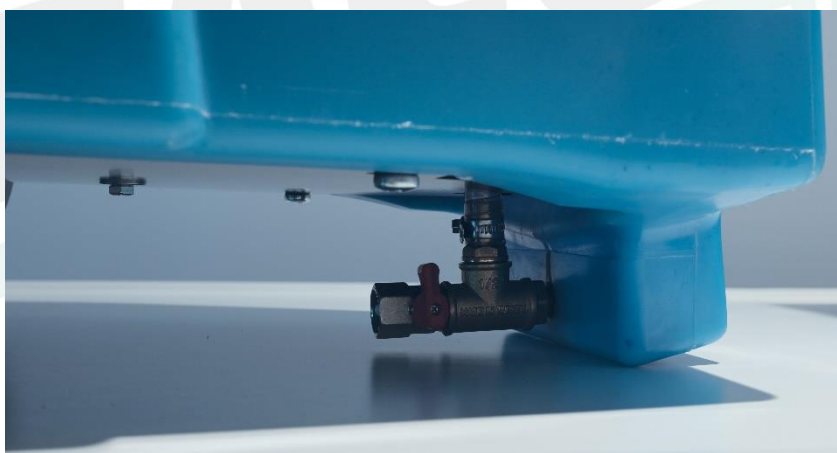
## USE PROCEDURE:

Before inserting the plug into the power supply, make sure that the ignition switch on the pump is in the off position (O).



INDICATORS AND SWITCHES OF THE PUMP

1. Make sure that the flow and return braided hoses, and related fittings with clamps, connected to the pump, are watertight.
2. Connect the pump flow braided hose to the system downstream of the boiler or directly to the radiator manifold.
3. Connect the pump return braided hose to the mains water.
4. Connect the system return to the drain, or directly to the sewer, with a pipe.
5. Fill the tank with tap water.
6. Operate the power switch of the pump, open the circuit valves and flush for 10 minutes.
7. Pour a volume of water into the system equal to approximately 3 - 5 times that of the circuit, until it comes out clean, this will allow the elimination of a large part of the sludge present in the system.
8. Turn off the pump and close the system valves.
9. Connect the pump return braided hose to the system return, in order to create a closed circuit.
10. Connect a braided hose to the pump drain valve located under the tank.



DRAIN VALVE

11. Turn on the electrical resistance switch.
12. Add the specific additive (ANTINEX + Thermakil® in case of sludge removal, FERRONEX in case of mild pickling on a new system, or THERMAKIL in case of debacterization of a low temperature system).
13. Once a temperature of 40-50 ° C is reached, reopen the system valves and turn on the pump.
14. Continue the treatment for a few hours (from 2 to 6 depending on the size of the system), keeping one radiator open at a time, starting from the farthest one, normally the most obstructed. Alternate the flow direction during operations using the appropriate inverter.
15. If the tank is at risk of overflowing, adjust the flow by gradually opening the drain valve.
16. During treatment, clean the filter media frequently as needed.



FILTER

17. After cleaning, turn off the pump and close the system valves.
18. Re-connect the pump return braided hose to the mains water.
19. Connect the system return to the drain again.
20. Turn on the pump, open the system valves and the mains water tap, in order to introduce more water into the system by discharging the residues removed.
21. Connect the pump return braided hose to the system return, so as to create a closed circuit.
22. Fill the anticorrosive additives of the FILMAX series or the required antifreeze additives of the ATIGEL / ALIGEL series from the tank cap depending on the type of system. In any case, follow the Guidelines drawn up by Facot in compliance with the Technical Standard UNI 8065: 2019.
23. Once the additives have been added, close the valves and disconnect the pump, taking care not to spill onto floors and objects.
24. Observe proper pump maintenance as indicated in the manual.

#### **WARNING:**

In case of excessive foam production during use, turn off the pump for a short time and possibly dilute the solution with water.

#### **MAINTENANCE:**

Important: after use at the end of the day, carefully wash the pump with recirculating water for at least 10 minutes to eliminate the sludge and the sludge dissolving solution. To improve maintenance, use a small amount of FILMAX in the recirculation.

To avoid any impeller corrosion and blockage, remove as much water as possible from the pump, pipes and tank. Periodically unscrew the bleed nut located on the pump casing and oil with the lubricant supplied.

Respect the rules for the use and disposal of the spent solution.  
Immediate cleaning with water rinse is recommended in case of dripping.  
Avoid getting the pump motor wet.

# TECHNICAL DATA:

Data	DISIFLUX 35RI	DISIFLUX PRO 45RI
Tank	Polietilene	Polietilene
Tank capacity	35 liters	45 liters
Pump	centrifugal	centrifugal
Tension and frequency	230 V / 50 Hz	230 V / 50 Hz
Power	650 W / 0.8/ HP	750 W / 1 HP
Electric coil power	2000 W	2000 W
Flow	60 l/min	60 l/min
Fittings	3/4"	3/4"
Head	60 m	75 m
Max. pressure	6 bar	8 bar
Max. temperature	60 °C	60 °C <sup>®</sup>
Weight	24 kg	30 kg
Height	65 cm	76 cm
Width	35 cm	36 cm
Dept	40 cm	50 cm





**WARRANTY:**

The guarantee will be considered valid only if the products are used in the percentages prescribed by the labels and relative technical data sheets according to the modalities of "How to correctly perform a heating system according to UNI CTI 8065/19, BS7593 / 92, UNI 8364/84, UNI 8884 / 88 "when using the pump.

FACOT CHEMICALS guarantees the parts that make up the equipment that are defective for a period of 12 months, provided that the guarantee request is accompanied by a document of purchase (bill or invoice).

**WARRANTY LIMITS:**

The warranty is limited to the supply or repair of the parts or materials recognized as defective which must be returned carriage paid at the retailer's premises. The warranty does not cover damage resulting from improper use or normal wear and tear.

The warranty lapses if the rules concerning use, maintenance and safety indicated in this manual are not followed.

**THE INSULATION MATERIALS AND THE CONSTRUCTION OF THE ELECTRICAL PARTS  
COMPLY WITH THE STANDARDS CEI 96-2 - EN 60742**

**Code: PDISFLUX35RI / PDISFLUX45RI**



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The data and characteristics indicated in this document do not bind the manufacturer, which reserves the right to make any changes deemed appropriate, without notice or replacement.

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