

## Description

The 70365N Parts Washer consists of a 50 litre capacity cleaning tank mounted on a 65 litre capacity wheeled reservoir. Ideally suited to cleaning small engine components, vehicle parts and machine tools, the 70365N does not require a pump, simply prime with air. Being safe and easy to use the parts washer complies completely with WHS and environmental regulations and the reservoir drain valve facilitates efficient removal of waste liquid.

## Product Specifications

Cleaning tray capacity: 50 litres
Reservoir capacity: 65 litres
Equipped with a fluid level gauge
Powered by a low pressure air system
Completely mobile
Reservoir equipped with a drain valve
Evacuation plug for the removal of sludge and hard waste



## Symbols

Below is a short legend indicating the symbols used in this manual.



**DANGER:** draws attention to situations that may jeopardise the safety of persons due to injury or the risk of death.



**CAUTION:** draws attention to situations or problems connected with the efficiency of the machine that do not jeopardise the safety of persons.



**IMPORTANT:** draws attention to important information of a general nature that jeopardises neither personal safety nor the good operation of the machine.

## Risks and Safety Stickers

Main components and risks	
A	Washing tanks
B	Reservoir/tank (pressure and detergent)
C	Connection for compressed air
D	Pump
E	Valve de max. (exit compressed air)



### Non-admitted uses

The equipment is made specifically for the washing of mechanical pieces. Pay attention to the choice of the detergent to make the cleaning/degreasing (operation) of the object and to the materials residual made during the washing. Don't mix different detergents.

**Do not use the detergents inflammable or corrosive. Always obtain the safety file of the materials used and follow the instructions contained therein (contact competent technical personnel to choose the correct detergent).**

Never dispose of any residues in the surrounding environment, keep to the provisions of current regulations.

## Technical Specifications

### 1. Overall dimensions and weights

Description	Value
Overall dimensions (L)	630mm
Overall dimensions (P)	530mm
Overall dimensions (H)	810mm
Depth	160mm
Capacity reservoir / tank	50L
Reservoir / tank	35kg

### 3. Environmental Conditions

Description	Value
Maximum temperature	40C°
Minimum temperature	0C°



It is necessary to respect the limits to protect the integrity of the reservoir.

### 2. Pneumatic Supply

Description	Value
Pressure maximum reservoir	0.5 bar
Maximum operating pressure	10 bar
Minimum operating pressure	4 bar



**Connection pressure must NEVER exceed 10 bar.**

### 4. Noise Level

The level of noise emitted (level of sound pressure) is extremely low (< 70 dBA). It is however for the employer to evaluate the level of noise exposure for each single worker.

## Delivery, Handling and Installation

### 1. Delivery

The operator must:

- unload, even by hand, keeping to the provisions of the current regulations on hygiene and safety of the workplace;
- remove the packing (if present), and disposing of it correctly.

A pneumatic gun is supplied as standard for the correct connection of the equipment.



**Always check the integrity of the components and devices present.**

### 2. Installation

The operator must keep to the following rules (see the pictures at the end of this manual):



- raise the cover;
- check that the discharge is connected to the reservoir/tank and at the bottom of the tank and that the pipe of the brush is connected to reservoir (see the pictures 1 at the end of this manual);
- leave a space of at least 80cm around the machine.

### 3. Pneumatic Supply

Connect a compressed air supply device (maximum 10 bar).



**The supply device must be in conformity with current regulations (eg. equipped with a pressure relief valve).**

### 4. Handling

This must be done manually definitely keeping to the following rules:

- remove accessory devices or anything else that may be an obstacle;
- carefully push the equipment, by previously checking the suitability of the way it is supposed to cover;
- keep operators not involved in handling at an adequate distance.



In the case of transportation on a vehicle check the degree of stability before proceeding.

### Safety Warnings

#### 1. Work Environment



Never approach the machine with naked flames or the like.

Never use the machine in places where there is a risk of explosion or fire.

Always use the machine in conditions of adequate lighting.

Places of use must be well ventilated and in conformity with current regulations on the subject of hygiene and safety at work.

Keep the machine in a dry place protected from atmospheric precipitation.

#### 2. Preliminary Checks



Always check the tank is undamaged.

In case stress decays are found, immediately set up a "do not use" sign.

Check the safety valve calibration has in no way been changed.



Place both pneumatic feed and lance/gun connection pipes in such a way as not to be an hindrance for other operators on the site.

Place the system on a horizontal flat, stable and firm base.

#### 3. Usage



The equipment has been designed to be used by one single, adult and responsible operator.

We recommend any other people to keep at a suitable distance during work.



Always wear means of protection in conformity with the current regulations on hygiene and safety at the workplace. Always obtain the safety file of the materials used and follow the instructions contained therein.

#### 4. Maintenance and Stopping Work



Do not carry out maintenance operations when the equipment is running (pressure) or connected to a power source.



During maintenance, we recommend to:

- use suitable protection devices (ex. gloves);

- discharge the tank/reservoir at the end of the work and before the maintenance.

Never dispose of any residues in the surrounding environment, keep to the provisions of current regulations.

### General Rules for Operation

#### 1. Preliminary Checks

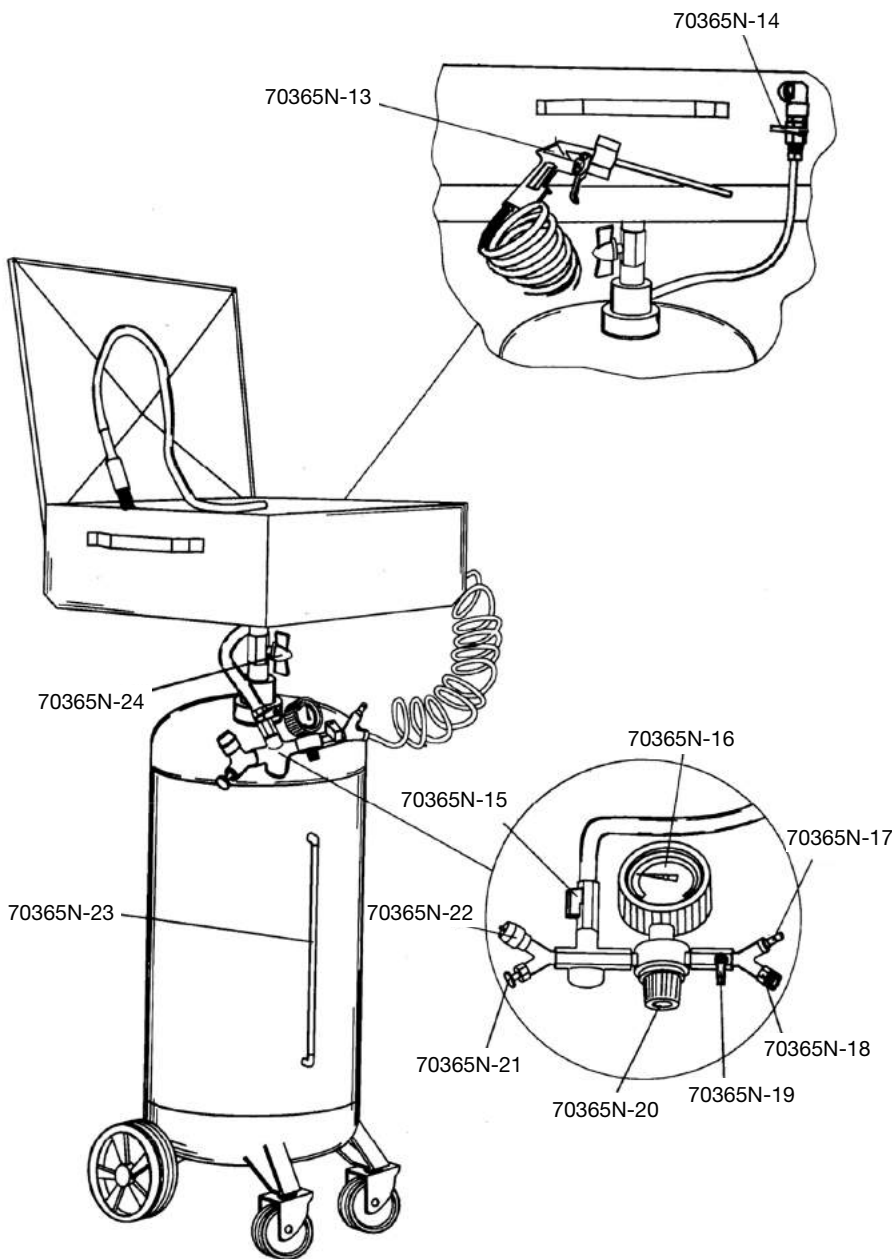
Always make the following checks:

- Check the stability of the equipment (with pieces to wash)
- Evaluate the detergent and pieces to wash.
- Check the condition of pressure relief valve.



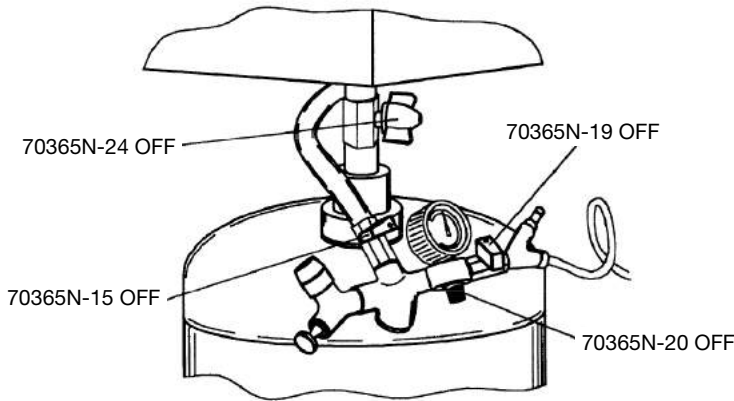
Do not use inflammable or corrosive detergents.

#### Parts Washer Tank Description

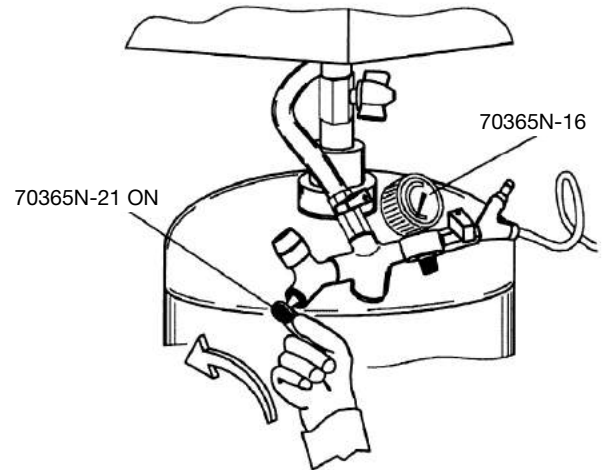


Part Number	Description
70365N-13	Lever to work with pneumatic gun (optional)
70365N-14	Cock to put the detergent in the tank
70365N-15	Cock to connect brush-reservoir
70365N-16	Manometer
70365N-17	Connection pneumatic gun
70365N-18	Connection compressed air
70365N-19	Compressed air cock
70365N-20	Reducer
70365N-21	Valve vent-hole
70365N-22	Maximum valve
70365N-23	Level signaller
70365N-24	Cock discharge tank

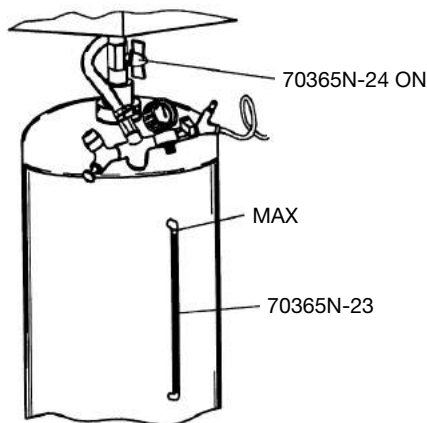
### Preparation to Washing with a brush



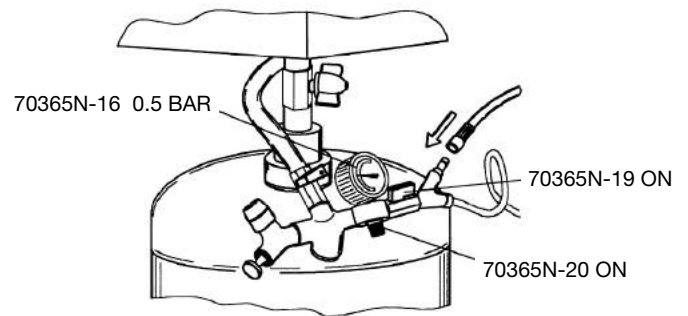
**Phase 1:** check that the cocks (parts 15, 24 and 19) and the reducer (part 20) are closed.



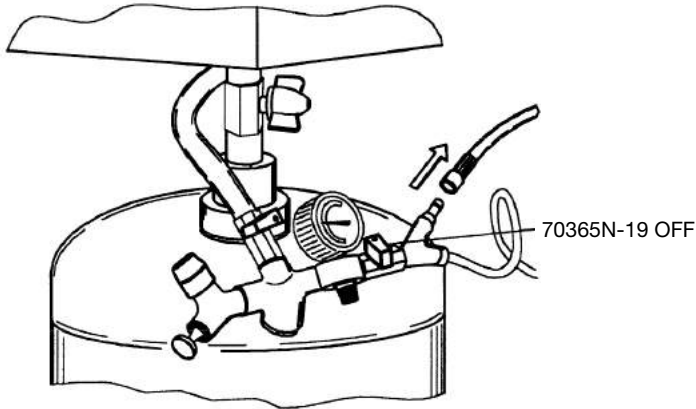
**Phase 2:** unscrew the valve vent-hole (part 21) and wait the discharge of the reservoir (see the hand of the manometer (part 16)).



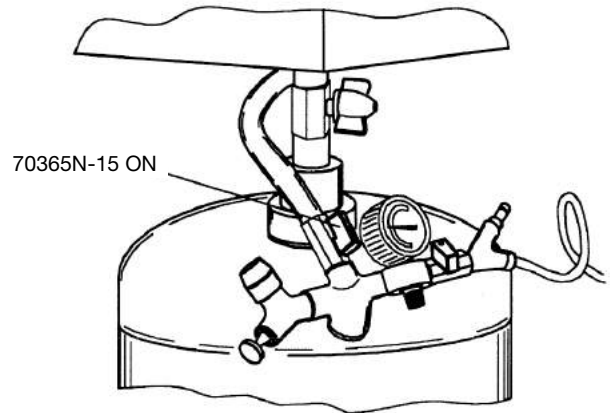
**Phase 3:** fill up the tank with the detergent. Open the cock completely (part 24) to flow the detergent into the reservoir (the maximum level is signed from the signaller (part 23)). Close the cock (part 24). Close the valve vent-hole (part 21 Phase 2).



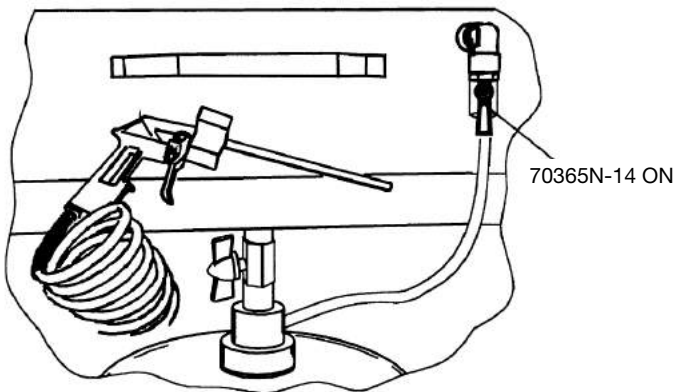
**Phase 4:** connect the compressed air, open slowly the cock (part 19) and make the regulation of the reducer (part 20) (the manometer (part 16) must point 0.5 bar.)



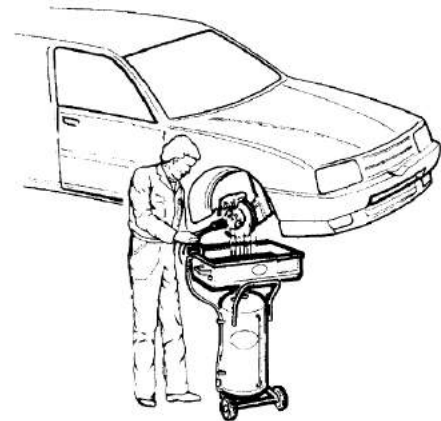
**Phase 5:** close the cock (part 19) and extract the connection to the compressed air.



**Phase 6:** open the cock (part 15).  
The system is ready to use.

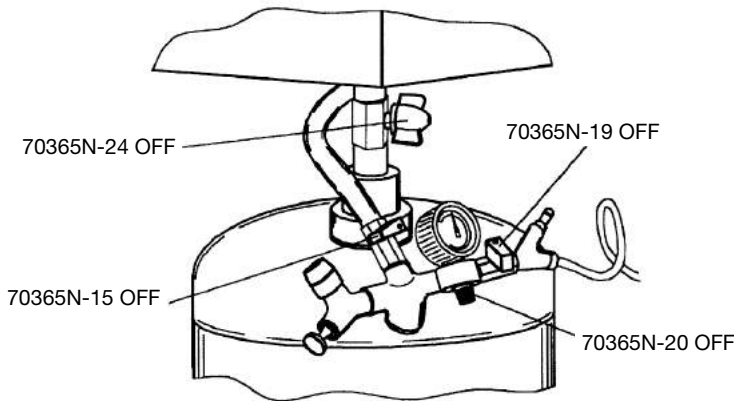


**Phase 7:** open the cock (part 14).  
The detergent flows from the brush.

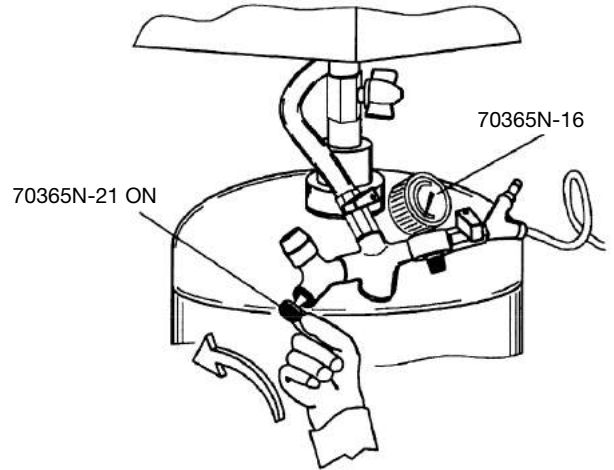


**Phase 8:** wash the part.

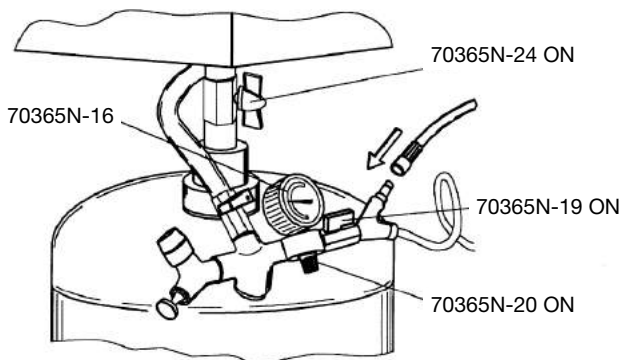
### Washing with Parts in immersion



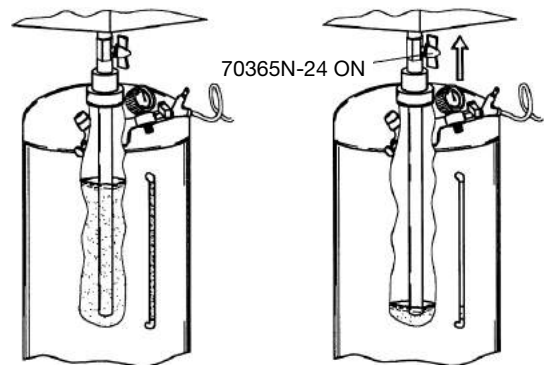
**Phase 1:** check that the cocks (parts 15, 24 and 19) and the reducer (part 20) are closed.



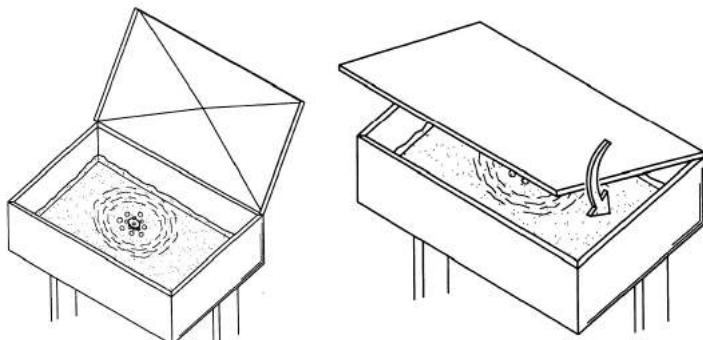
**Phase 2:** unscrew the valve vent-hole (part 21) and wait the discharge of the reservoir (see the hand of the manometer (part 16)). Close the valve vent-hole (part 21).



**Phase 3:** connect the compressed air, open the cocks (part 19 and 24) and make the regulation (part 20) gradually whilst paying attention to the movement of the detergent in the tank (a flux very strong can cause splashing and discharge).

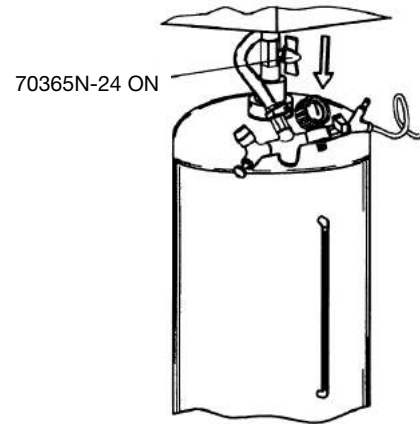
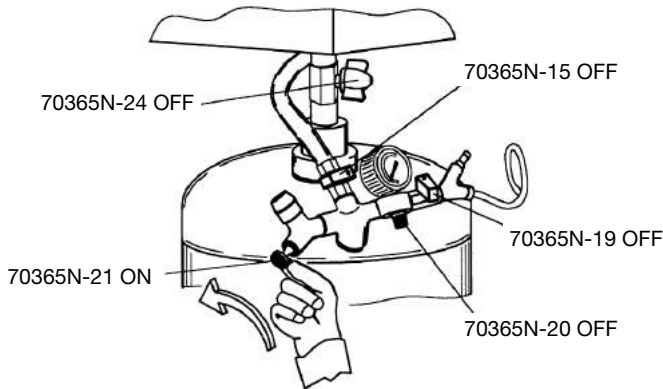


**Phase 4:** with the cock (part 24) open the pipe of the draught in the middle to allow the flow of about 20L of the detergent.



**Phase 5:** the flux of the air agitates the detergent into the tank. Half-close the cover to avoid splashing

#### End of Work



**Phase 1:** close the cocks (parts 24, 15, 19 and 20), close the reducer (part 20) and discharge the reservoir (open the valve (part 21)). In the discharge leave the valve open (part 21).

**Phase 2:** open the cock (part 24) to flow the detergent from the tank in the reservoir.

#### Maintenance



Do not carry out any maintenance operation when the equipment is running or connected to a power source. **Always relieve the residual pressure before carrying out any maintenance operation.**



During maintenance, we recommend to use suitable protection clothing.

#### Trouble, Causes and Remedies

Trouble	Causes	Remedies	Action
The machine won't start.	<ol style="list-style-type: none"> <li>The gearing of the pump is blocked;</li> <li>Low pressure of compressed air;</li> <li>Cocks closed</li> </ol>	<ol style="list-style-type: none"> <li>Unlock the shaft of the pump;</li> <li>Check;</li> <li>Check that the phase of work are correct.</li> </ol>	<ol style="list-style-type: none"> <li>Competent technical personnel</li> <li>Operator</li> </ol>
Non correct discharge	<ol style="list-style-type: none"> <li>Occlusion of pipe of discharge</li> </ol>	<ol style="list-style-type: none"> <li>Check (par.6.1.4);</li> </ol>	<ol style="list-style-type: none"> <li>Operator</li> </ol>
There is air, but the engine isn't running	<ol style="list-style-type: none"> <li>The blades are blocked</li> </ol>	<ol style="list-style-type: none"> <li>Fit the oil in the connection of compressed air and manually move the pivot/pin. (par.6.1.2).</li> </ol>	<ol style="list-style-type: none"> <li>Operator</li> </ol>