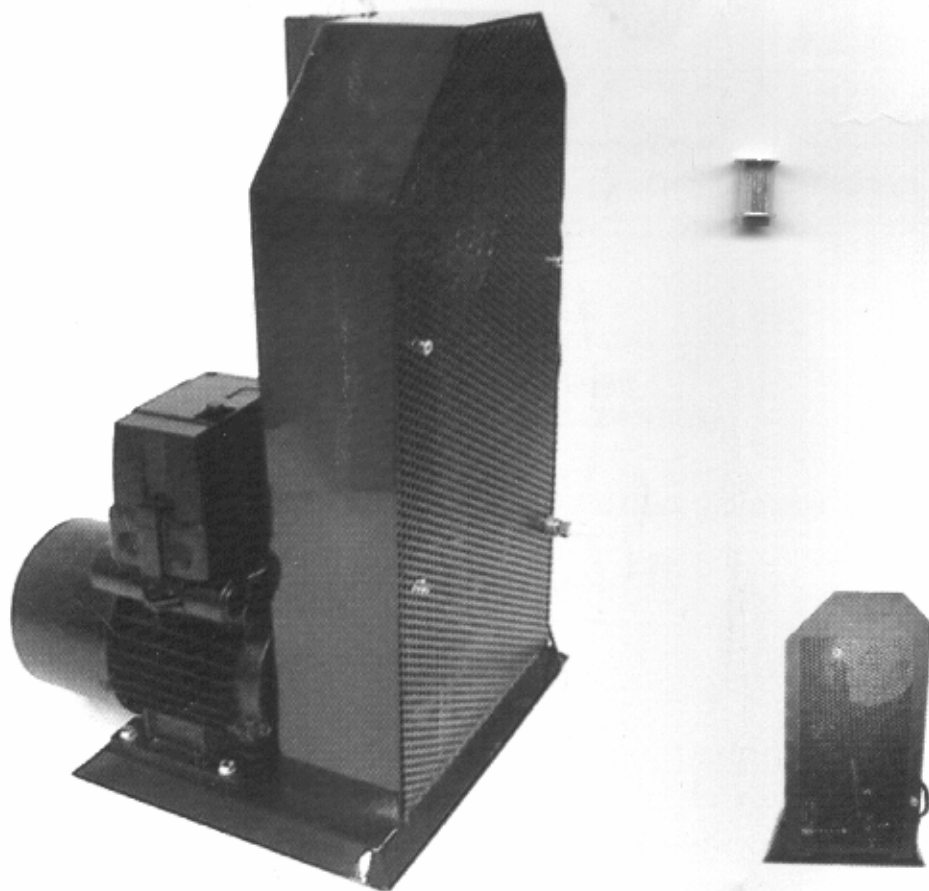


# PRECharge AB

## Instruction manual for **FX Compressor**



**CE**

*(keep for future reference)*

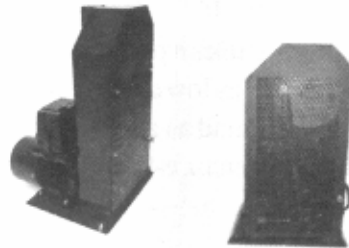
**USER'S MANUAL AND  
SAFETY INSTRUCTIONS**

## 1. FOREWORD - GENERAL INTRODUCTION

This instruction manual provides general information for: **FX Compressor**

### Manufacturer:

Precharge AB  
Fagerlid såg  
548 92 Hova  
Sweden  
+46 (0)506-321 80



### Important!

Read instructions carefully before using compressor.  
It is especially important to note the safety instructions in chapter 4 of this manual.

### Application

The machine is intended to fill air cartridges and air bottles for air guns:

- **approved for a pressure of 200 bar (working pressure)**
- **intended for containers with a volume not exceeding 0.5 litres**

No other objects may be connected to this machine unless the manufacturer's approval has been given in writing beforehand.

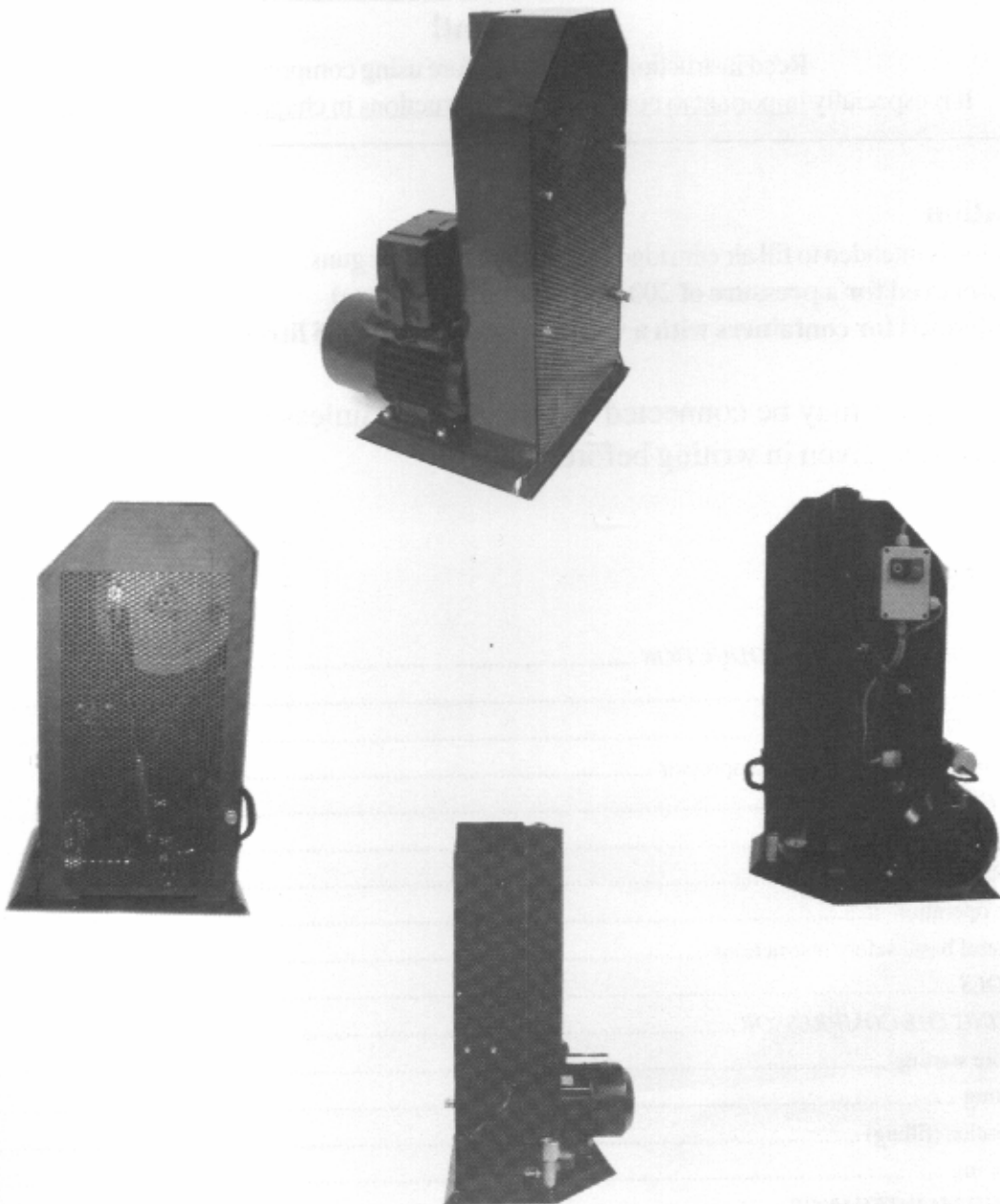
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### 3. PRESENTATION

#### FX Compressor

The FX Compressor uses a pump powered by an electric motor. The cooling system of the pump is designed to maintain as low a working pressure as possible to enhance performance. The compressor has a pressure switch and an additional safety valve to prevent harmful excess pressure in the system. The integrated maintenance-free water separator will reduce water condensation by over 98%.



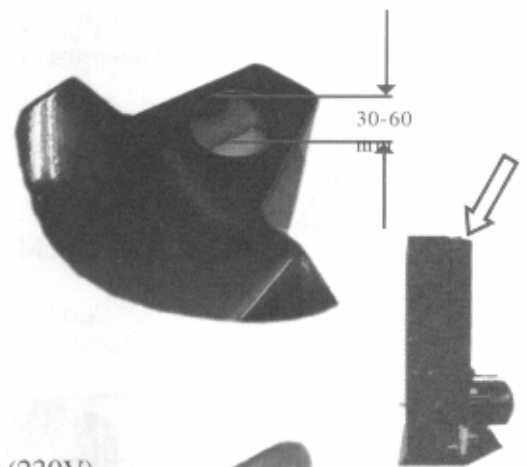
### 3.1. Installing and moving the compressor

**Do not install or use** the compressor before reading and understanding this manual. Check first that the unit was not been damaged in transit. If damaged, report immediately to shipper.

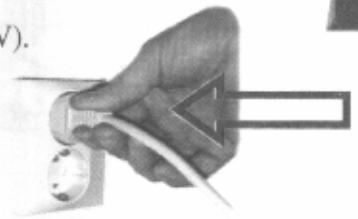
1. Remove packaging.
2. Position the compressor on a stable, flat surface.



3. Fill with coolant (up to about 30-60 mm from the top).  
Coolant (Rocul Ultracut 631) 5%, to be mixed with water.



4. Connect the mains plug to an earthed (grounded) power outlet (230V).



5. Do a trial filling and check that the pressure switch operates at about 210 bar. If the pressure switch does not operate, contact the supplier immediately. Do not use the compressor until the pressure switch is working.

**To move** the compressor, grasp the handle with one hand and the motor with the other hand. Remember to bend your knees, to avoid straining your back. The compressor weighs 27 kg.



## 4. SAFETY INSTRUCTIONS

### 4.1. General

Keep this instruction manual where it is easily accessible to the operator.  
Anyone using this machine must fully understand these safety instructions. This is very important.  
These instructions must be observed in addition to the following safety regulations:

1. Local regulations and rules for safety at the workplace and at the site.
2. National regulations and safety legislation.
3. Where relevant, international legislation takes precedence over national legislation.

### 4.2. WARNING



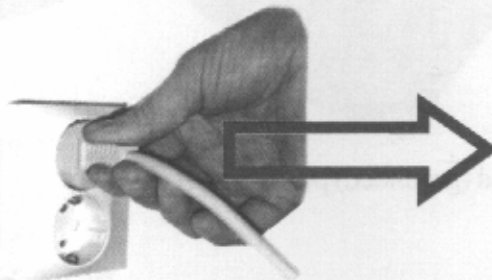
**WARNING:**

All repairs must be done by authorised personnel.

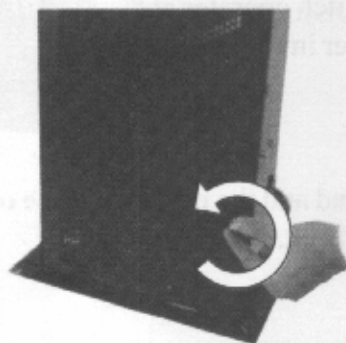


**WARNING:**

UNPLUG THE MAINS PLUG before removing safety guard!



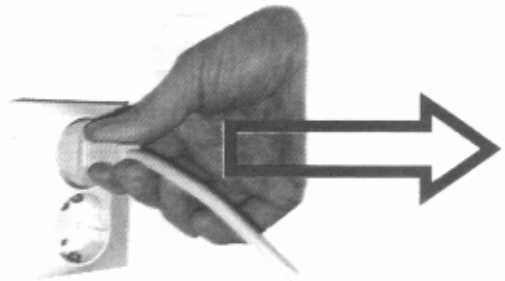
DEPRESSURISE ALL SYSTEMS before doing any work on the unit!



**WARNING:** If filling is interrupted before the compressor has switched off, the system must be depressurised before restarting. If this is not done, the motor may take up an unfavourable position in which the back-pressure prevents starting.

### 4.3. Stop operation

To stop the compressor in an emergency  
**UNPLUG THE MAINS PLUG.**



### 4.4. General basic safety instructions

#### Cleaning

- Use only cleaning equipment compatible with the products used in the machine and with the environment where the machine is operated.
- Unless the instructions state otherwise, the power must be turned off during cleaning.

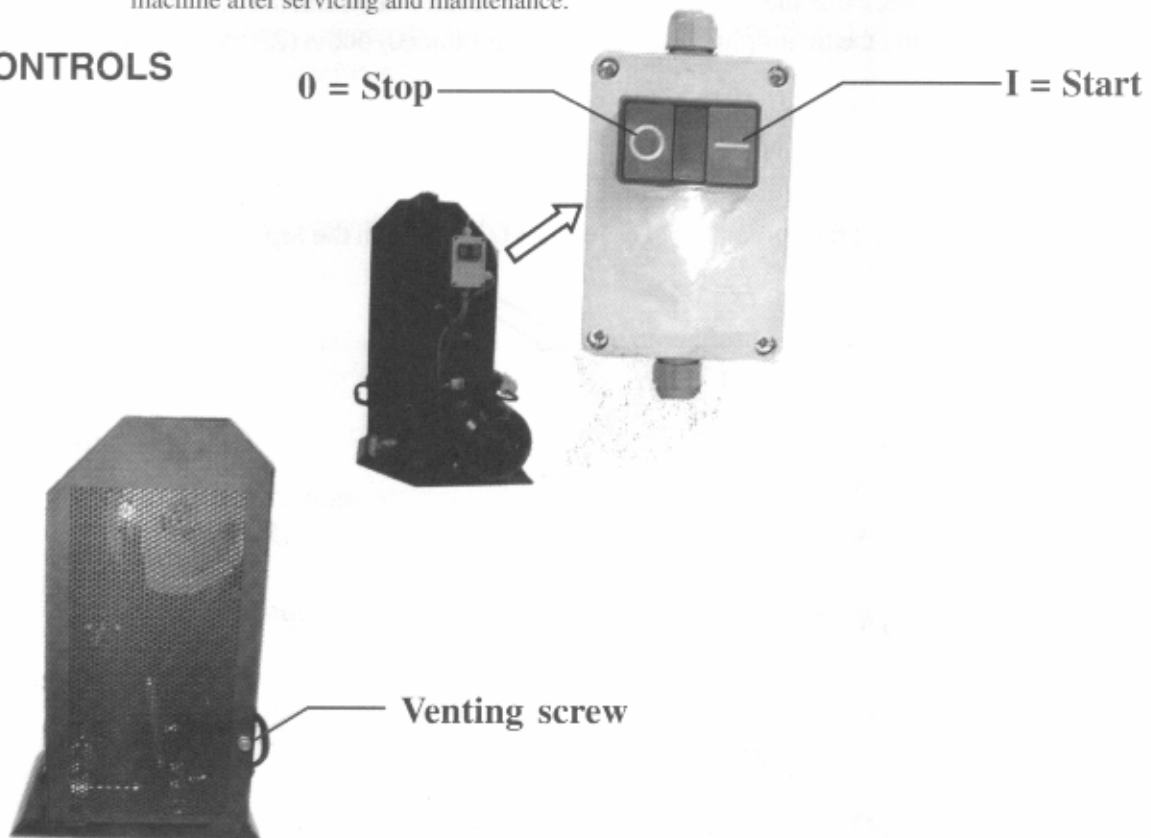
#### Waste

- Worn machine parts and waste from cooling and cleaning must be disposed of in accordance with current environment regulations.

#### Maintenance

- Allow authorised personnel to undertake maintenance only.
- Always unplug the mains plug before doing any maintenance work.
- Check that all safety equipment is in place and is working properly before restarting the machine after servicing and maintenance.

## 5. CONTROLS



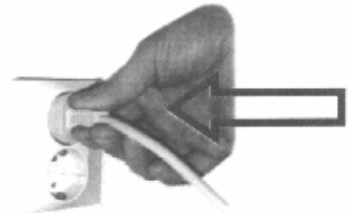
## 6. Operating the compressor

### 6.1. Before starting

1. Make sure that the compressor is free from loose and foreign objects and that it is standing on a flat, stable surface.



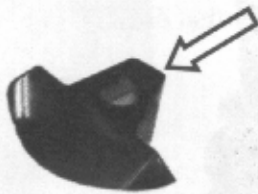
2. Inspect the safety devices for visible defects.
3. The compressor must only be used by someone familiar with the instructions as stated in the manual.



### 6.2. Starting

1. Check that the instructions (6.1) above have been carried out.
2. Plug the mains plug into an earthed (grounded) outlet (230 V).

3. Check the coolant level (about 30-60 mm from the top).



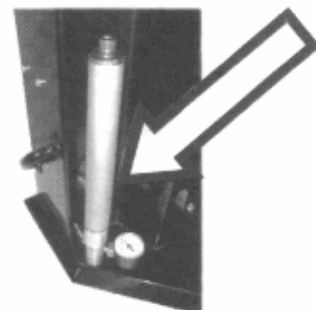
### 6.3. Operation (filling)

1. Check that the instructions (6.2) above have been carried out.
2. Manually screw the cartridge into the connecting thread.

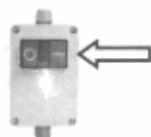
**NOTE:** Air cartridges/air bottles

→ approved for **200 bar** (working pressure)

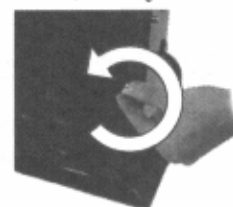
→ max volume **0.5 litres**



3. Press "Start".



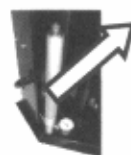
4. **NOTE:** If filling is interrupted before the compressor has switched off, the system must be depressurised before restarting.



5. The compressor is switched off automatically by the pressure switch when the pressure reaches about 210 bar.
6. To depressurise the system, turn the venting screw anticlockwise until you hear a hissing noise. When the hissing stops, tighten the venting screw. Depressurising the system will simultaneously blow out condensation water from water separator.



7. Manually unscrew the cartridge.

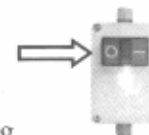


8. To fill a new cartridge, repeat the above procedure.

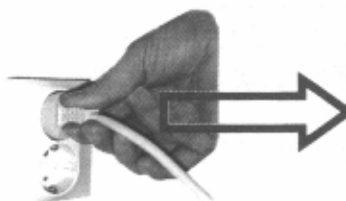
### 6.4. Stopping

1. To stop the filling process manually, press "Stop".

**NOTE:** Remember to depressurise the system before restarting.



2. If the compressor fails to stop when you press Stop, unplug the mains plug. In an EMERGENCY, unplug the mains plug.





## 7. CARE AND MAINTENANCE

### 7.1. General



All repairs must be done by authorised personnel only.

Before normal operator maintenance (Section 7.3) is undertaken, the servicing person must be familiar with this manual.

The mains plug must be unplugged before any work is done that might expose the operator to risk. Pressurised systems must be depressurised before any work is done on them.

### 7.2. Troubleshooting chart

If the unit fails to work properly, check the points below first. If this does not solve the problem contact the reseller or qualified personnel.

Fault	Action
The compressor does not start or stops when in use.	<ol style="list-style-type: none"> <li>1. Check that the mains plug is plugged in.</li> <li>2. Check that the fuses are OK.</li> </ol>
The pump runs but the pressure does not reach 200 bar.	<ol style="list-style-type: none"> <li>1. Check that the venting screw is closed.</li> <li>2. Check that the cartridge is screwed fully home.</li> </ol>
The pump runs hot.	<ol style="list-style-type: none"> <li>1. Check that there is coolant in the machine.</li> <li>2. Check visually through the grille that the parts of the cooling pump are moving.</li> </ol>
Abnormal noise	<ol style="list-style-type: none"> <li>1. Check V-belts. Adjust tension if necessary.</li> </ol>

### 7.3. Maintenance chart

The operator must do the following maintenance work.

Recommended maintenance periods:

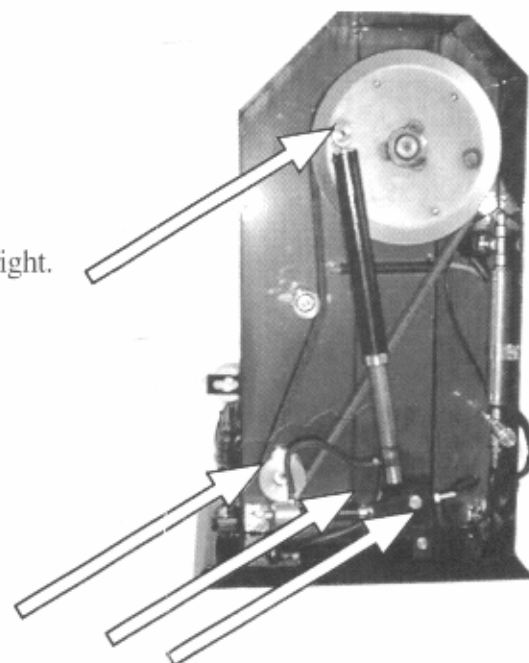
<u>Actions</u>	C	1/d	1/w	1/m	2/yr	1/yr
Check that no safety guards are damaged or missing.	x					
Check for leaks, visible defects and abnormal noise.	x					
Check coolant level and top up if necessary.			x			
Check tension of V-belt.						x
Lubricate parts subject to wear (see below).					x	

C= Continuous maintenance in daily use  
 1/d= Once a day  
 1/w= Once a week  
 1/m= Once a month  
 2/yr= Twice a year  
 1/yr= Once a year

## 7.4. Maintenance instructions

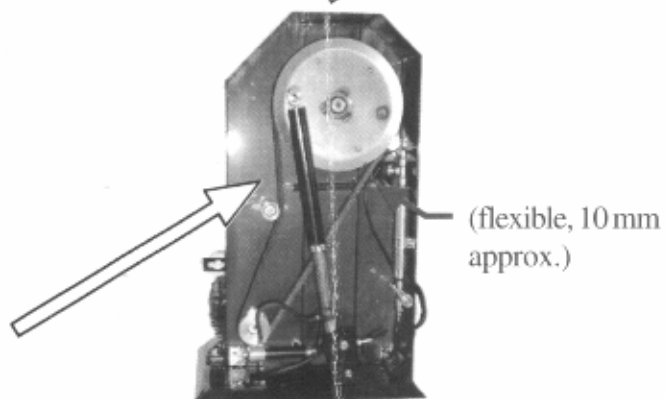
### Lubricating parts subject to wear:

- Unplug the mains plug
- Unscrew the venting screw
- Remove safety guards
- Lubricate with lubricating grease. See picture, right.
- Refit safety guards



### V-belt tension

- Unplug the mains plug
- Unscrew the venting screw
- Remove safety guards
- Adjust the tensioner
- Refit safety guards



## 8. SPECIFICATIONS

### 8.1. Technical information

Technical information for the individual components of the machine is given in separate manuals.

noise:	below 70 dBA
coolant:	water (2l) and 5% (approx. 100ml) corrosion inhibitor added.
weight:	27 kg
height:	600 mm
width:	370 mm
depth:	350 mm
voltage:	230 V
working pressure:	200 bar
max pressure, safety valve:	220-230 bar
max fill volume, cartridge:	0.5 litres
pump capacity:	18 litres/min
water separation:	integrated water separator. Depressurisation of the system by means of venting screw will effectively eliminate 98% water condensation.

**This owner's manual was  
provided as a service to you  
by:**



[www.airgunsofarizona.com](http://www.airgunsofarizona.com)

[airguns\\_az@yahoo.com](mailto:airguns_az@yahoo.com)

Phone: (480)461-1113

Fax: (480)461-3928