

**Price list**

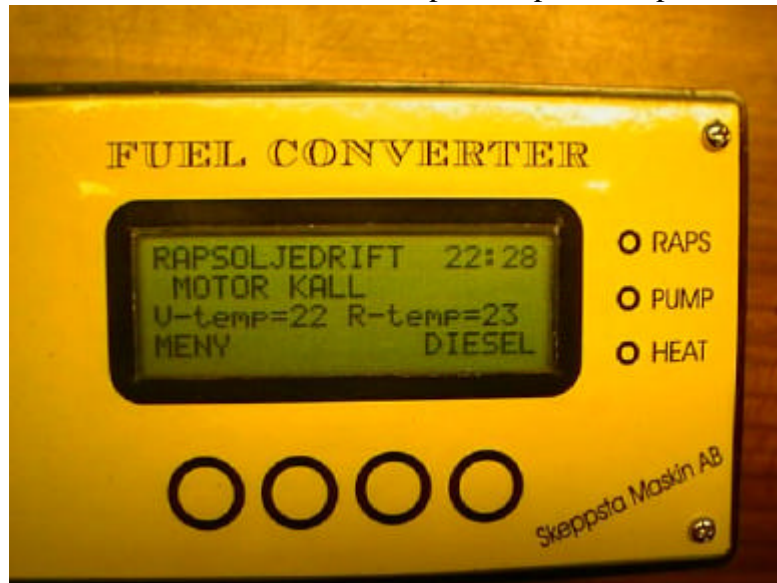
**Rape Conversion** for diesel engine 2003-12-10

Rape-Therm4 with 6/2 valve or 3/2 valve and looks like this it  
Price 3990:-SEK



Exampel of controller. 1

Controller "Fuel Converter with 3 sensors, Fueltank-level, watertemp, and rape-oil temp " 12 and



24 volt DC **Price 5100:-SEK**

**It is easy to mount PLC. You only mount cables from sensors and parts**

Light in display

Rape-oil temp.

Water temp.

Tank level in the rape-tank in cm.

Counter meter hours on rape-oil.

Clock Hour

Show when you run on Diesel or Rape-oil.

Emptying of rape oil from the injection pump if you forget to change to diesel oil before stop. (Extra valve need)

All parameter you can change on buttons on PLC

Which water temp when glow plug get on and off.

Which temp of rape-oil in Rape-Therm4 get on and off.

How many litres in rape-tank you must have to change to rape oil.

If you not have rape oil in the tank you can not warm rape oil or change to rape-oil.

How many minutes to pump out rape-oil from the injection-pump if you forget to change to diesel oil before stop of diesel engine

In " RapeTherm4" is 4 glowplug you get all heat so in normal you not need any heat exchanger from water.

You put the "rapeTherm4" in the engine space. Relay to the valve and glowplugs.

All valves, sensors, magnet plug, security filter . security thermostat 120 dg C and glowplug and so on in the same part. No problem with leakage. No problem with water leakage because you not need heat exchanger.

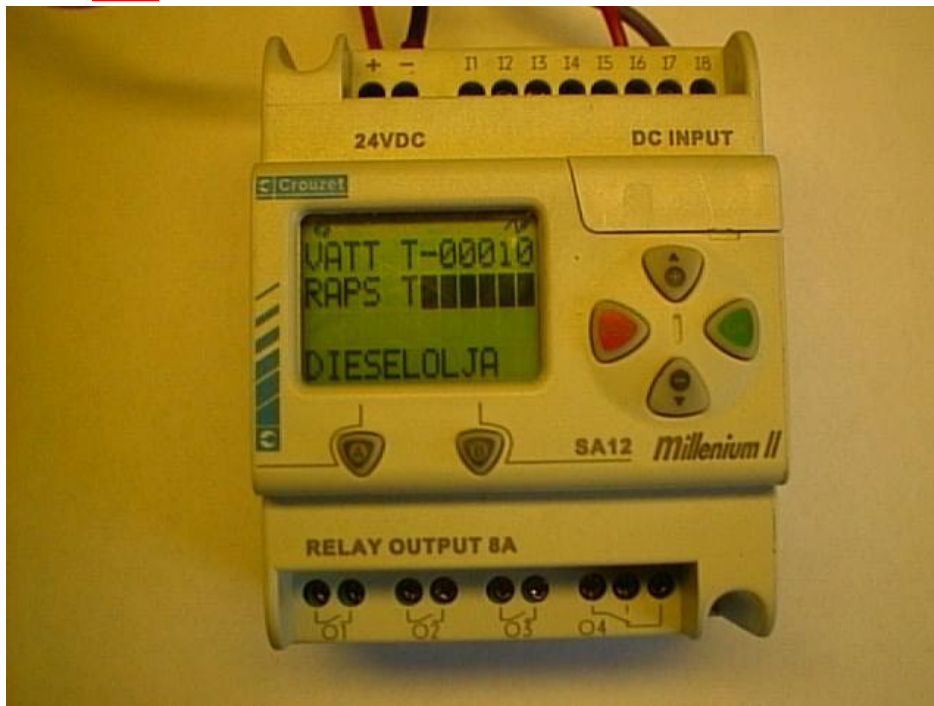
The Fuel Converter in the coupé  
The fuel tank and filter 3 parallel and pump in the car boot

No water heat exchanger to mount easy to mount.

Exampel of controller. 2

PLC Crouzet with program and 2 temp sensors and 1 sensors level tank

**Price 4373:-SEK**



It is easy to mount PLC. You only mount cables from sensors and parts

**PLC in points :**

- I2 Diesel or automatic Digital input DI**
- I4 Emptying of rape oil in injection pump**
- I5 Sensor from water temp. 0 to 10 volt Analog input AI**
- I6 Sensor from "Rape-Therm" 0 to 10 volt AI**
- I7 Sensor from extra tank level.**

## **PLC out points**

**O1 6/2 vent to change from diesel to rape-oil and pump for diesel DO**

**O2 Pump to rapeoil. DO**

**O3 Change after stop to 3/2 valve DO**

**O4 To "Rape-Therm glow plug"**

You put the "rapeTherm4" in the engine space. Relay to the valve and glowplugs.

All valves, sensors, magnet plug, security filter . security thermostat 120 dg C and glowplug and so on in the same part. No problem with leakage. No problem with water leakage because you not need heat exchanger.

Exampel of controller. 3

Controller XR10C 1 temp sensors and 1 sensors level tank Price 1950:-SEK



Only display and adjust the temp when you change to rape oil..  
No text in the display.

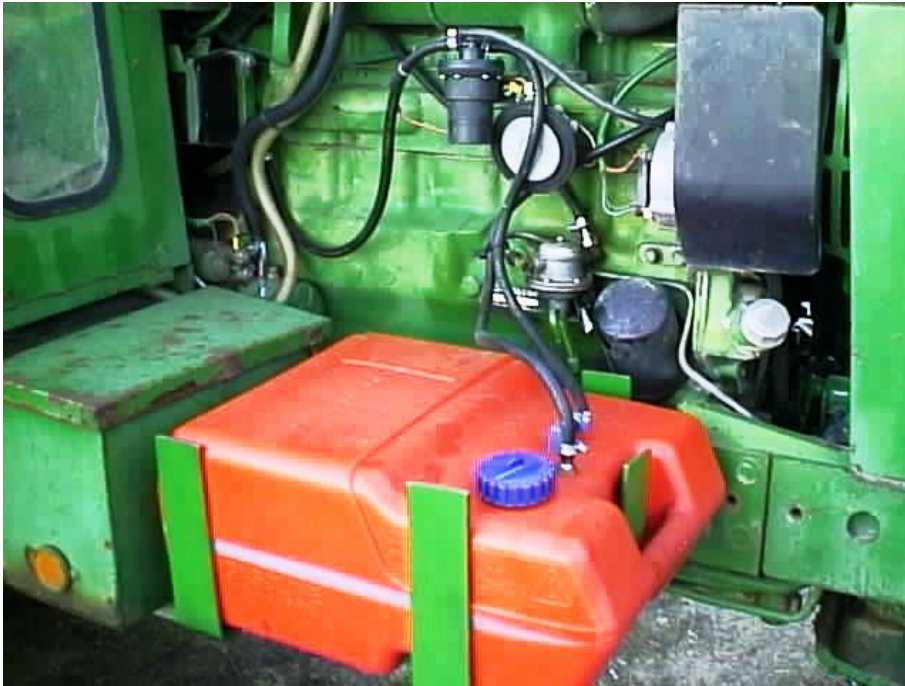
1 Start Handle on right II "Auto" Lamp is on. You start on diesel oil. From the dieseltank. Originally. or extra tank.

2 When water temp is över 50 dg C (Thermostat 50 Dg.C you can not adjust) The glow plug is on. automatic

3 When rape oil is about 80 Dg C the Dixell XR10 NC ( You can adjust to 100 dgC if you wish) automatic turn on to rape oil by 6/2 valve.



from the Rape-tank. Extra or originally tank



The lamp on handle go out.

Now you drive on rape oil.

Thermostat 80 dg C on

Rape Therm handle the glow-plugs +70 to +90 Dg C

4 When you shall stop the engine you turn the handle to 1 "Diesel". The glow plug get no current and the valve turn on to diesel fuel. When the temp on display is about 50 dg C then you stop the engine. Now you have diesel fuel in your injection pump for next start.

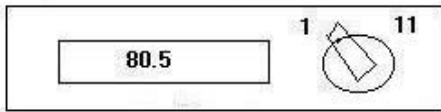
Handpump is for useing when you mounting and testing the fuel pipe and so on. To get maual oil from the tank when you mounting the conversion quipment.

It not always necessarily with Heat-Exchanger with water. It helps in the winter to warm up the rape-oil. The Rape-Therm Skeppsta Maskin AB get the heat on rapeoil enough even in winter. Less price and easy to mount without the Heat-Exchanger.



# Conversion to raw straight rape-oil.

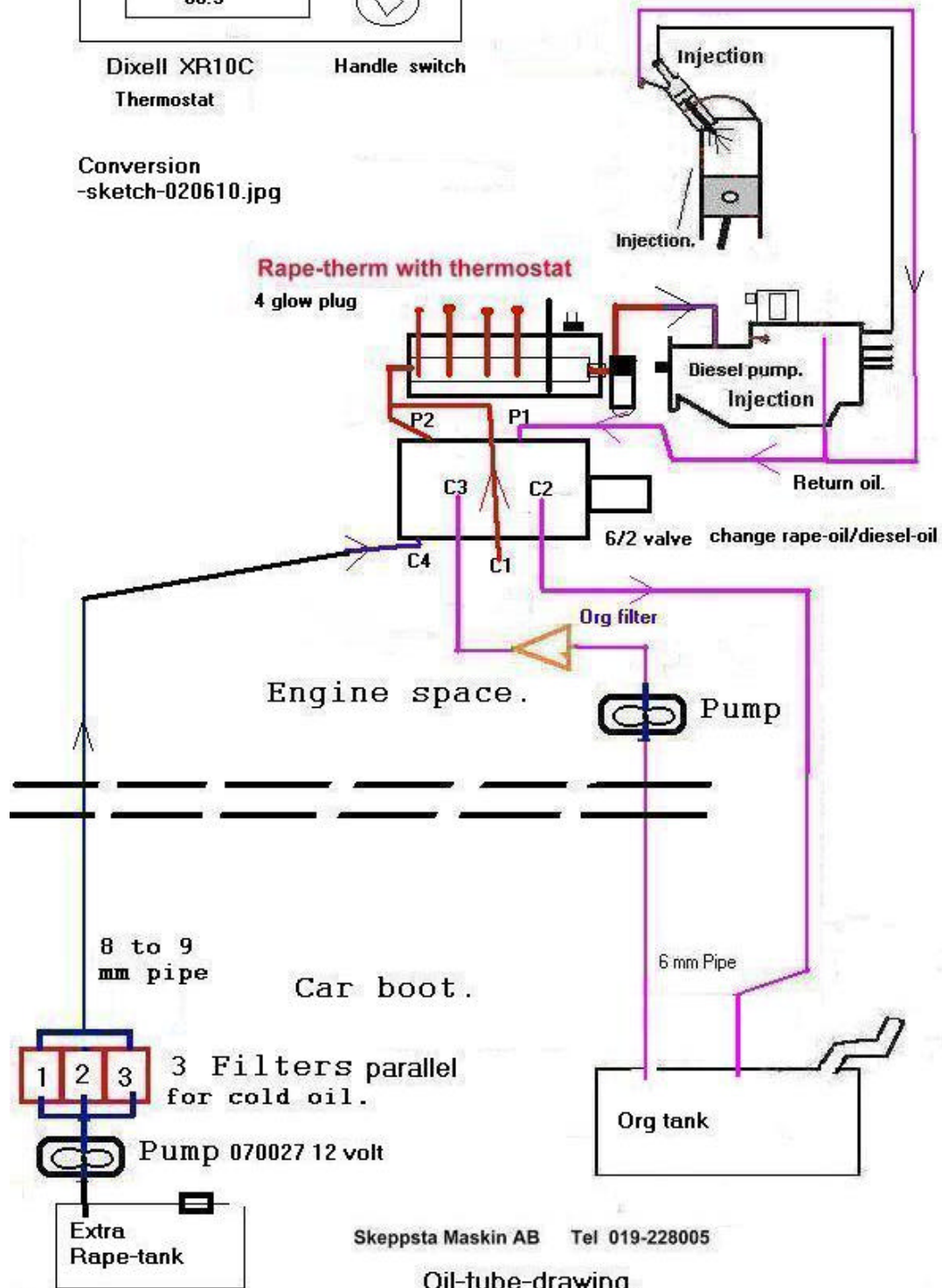
1 = Diesel      11 = Auto



Dixell XR10C  
Thermostat

Handle switch

Conversion  
-sketch-020610.jpg



Skeppsta Maskin AB Tel 019-228005

Oil-tube-drawing.



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