

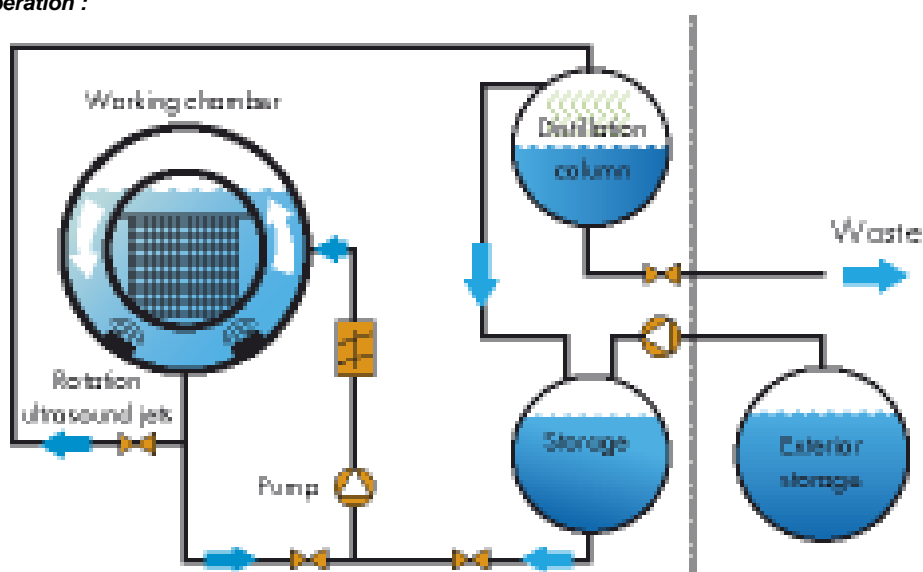
## MACHINE FILE - SuperCritical CO<sub>2</sub>

This is an advanced process which uses CO<sub>2</sub> as the cleaning fluid in specific conditions, either SuperCritical or under high pressure. The environmental impact of the process is negligible as there are no solvents, pollutants are removed without additives and there are no quantities of waste water to treat. This process offers additional cleaning advantages specific to this technology ; penetrative cleaning, selective elimination of compounds, material property enhancement for non-metallic materials ...

### Applications :

Removal of oils, greases, particles ...  
Elimination of various types of molecules (organic compounds, minerals, ...)

### Principal of operation :



SuperCritical and high pressure CO<sub>2</sub> machine.



High pressure autoclave with automatic closing.

## TECHNICAL FILE - SuperCritical CO<sub>2</sub>

### **Characeristics :**

The critical process elements and therefore the overall machine power rating depend upon the operating pressure and temperature parameters necessary for an efficient cleaning.

### **Standard equipment :**

Internal CO<sub>2</sub> containment  
High pressure pump  
High pressure autoclave  
CO<sub>2</sub> regeneration and pollutant recovery systems  
Manual basket loading  
Manual autoclave closing/opening operation  
Machine frame – profiled semi-hardened steel, anti-rust paint colour: grey (RAL 7037), adjustable feet  
Cover panels – steel sheeting, epoxy paint, colour: grey (RAL 7035).

### **Options :**

Rotation & filtration systems  
Automatic load and unload with conveyor system  
Automatic autoclave closing/opening operation  
PLC controller - supplier: Télémécanique (Siemens or Allen Bradley if requested)  
Process parameter display on XBT-GT screen  
Ultrasonic  
Baskets.

### **Electical power supply :**

400 volts 3 phases + Neutral + Earth.

### **Noise level :**

Estimated: 80 dBA.

### **Safety standards :**

Manufactured according to European Regulations CEE 89392 (14/06/89) and standards 92765-92766-92767 (29/07/92)  
CE marking.