

The EURO CUTTING very high pressure pumps are designed to generate a water pressure up to 5000 bar.

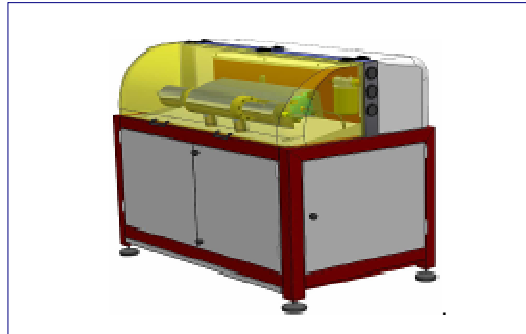
They have been created for water jet cutting applications up to 4100 bar.

Also made for sterilization and food texturation applications by high pressure of 5000 bar and more.

Some models are available:

- **E45 (60 Hp)**  
Can feed a Ø 0,40mm nozzle at 4100 bar for the water jet cutting applications
- **E 22 (30 Hp)**  
Can feed a Ø 0,30mm at 4100 bar for the water jet cutting applications
- **E 115 (15 Hp)**  
Can feed a Ø 0,20mm at 4100 bar for the water jet applications

All our VHP pumps are built to match the CE 97/23(PED) standard.



The EURO CUTTING VHP pumps are based on the pressure multiplier principle. An initial pressure of few hundred bar produced by an hydraulic group (oil) is pressured up 5000 bar (water) thanks to a change of section. These pumps can be autonomous or integrated in the EURO CUTTING machines.



ES 45 model pump



The EURO CUTTING generators include the following components:

- Double chamber intensifier for the E45 et E22 models and a single chamber for the E 115 model with ceramic plungers
- Attenuators 1,5l (E 45) or 0,5l (E22 & E115)
- Electrical cabinet:
  - Start/delta motor input
  - Error detection (hydraulic oil level, lubrication oil level, oil temperature, motor thermic error, inflow pipe pressure, shut-off valve coil over voltage error, liquid waste tank overflow)
  - alive indicator
  - disconnecting device
  - automatic or remote control system
- Control panel:
  - Oil level indicator
  - Clogging indicator
  - Oil pressure manometer
  - Supply water pressure manometer
  - Oil temperature thermometer
- Welded frame
- Stainless steel tank
- Water or air cooling system according to the model
- Rex Roth hydraulic unit
- Security components (housing, stop button, VHP outlet valve)
- Liquid waste collecting tank
- Booster 1,5kw
- Hydraulic unit (oil) 1,1kw
- Seal lubrication unit