

FERNOX

MAKES WATER WORK

POWERFLOW FLUSHING MACHINE MKIII

- Powerflush central heating systems to remove corrosion debris, sludge and scale
- De-scale boilers
- Overcome boiler noise and circulation problems
- Clean a system with just ONE visit to site
- Fully acid resistant
- High temperature operation to enable faster cleaning
- Clean a system with just one visit to site



Benefits of owning a Fernox Powerflow Flushing Machine

This powerful acid-proof flushing pump is an ideal package to make short work of cleaning boiler and radiator systems without removing radiators. It can also double up as a descaling pump for heat exchangers.

Saves time on-site. Using the Powerflow Flushing Machine at temperatures of up to 185°F together with Fernox DS40 System Cleaner, System Neutralizer, Powerflushing Cleaner F5 or Cleaner F3, only one visit to site is required to powerflush a central heating system.

The Fernox Powerflow Flushing Machine will add value to your business and enhance your professional image. Use it to offer a fast, professional and reliable cleaning and flushing service when replacing boilers. Many boiler manufacturers now make the warranty dependent on flushing and cleaning.

The Fernox Powerflow Flushing Machine is fully acid resistant.

WHEN TO FLUSH A HEATING SYSTEM

Use a Fernox Powerflow flushing pump when:

- Fitting a new boiler to an existing system
- Filling TRV's or up-grading to a fully pumped system
- Cleaning drop feel radiators in-line
- Removing black sludge
- Overcoming circulation problems
- For curing boiler noise and for boiler descaling

PRODUCT SPECIFICATION

The Fernox Powerflow flushing pump features:

- 1100W pump
- Circulation rate of up to 24 US gallons/min
- Rated to 185°F operating temperature
- CE marked pump
- Reversible flow action
- 8 gallon tank capacity
- Integral double check valve on mains fill
- Light weight
- Proportional full bore dumping at 16 US gallons/min

POWERFLOW FLUSHING PUMP STEP BY STEP CHECKLIST

- Hook up all hoses to Powerflushing unit according to instruction manual
- Fill System to 30L mark on pail (halfway point) with clean water
- Plug in power cord to 120V electrical outlet. Keep away from water source to avoid electrical shock.
- Turn on Pump
- Check hoses and system for leaks

- Pre-flush system
 - a) Open Make-up Water
 - b) Turn the blue “dump/circulate” lever to “dump”
 - c) While pump is operating, observe water level in pail and adjust “dump/circulate” lever until water level remains steady in the pail
 - d) Continue to flush the system until water runs relatively clear

- Clean System
 - a) Close Make-up Water
 - b) Turn “dump/circulate” lever to circulate
 - c) Turn off pump
 - d) Add FERNOX F3 Cleaner or DS-40 Descaler through black screw-on spout
 - e) Turn on pump
 - f) Run for approximately 1 hour (observe color of water in pail. If the water is very dirty, adjust circulator/dump valve to dump some out before continuing recirculation).

- Post-flush system
 - a) Open Make-up Water
 - b) Turn the blue “dump/circulate” lever to “dump”
 - c) While pump is operating, observe water level in pail and adjust “dump/circulate” lever until water level remains steady in the pail
 - d) Continue to flush the system until water runs clear
 - e) Turn off pump
 - f) Close Make-up Water
 - g) Turn “dump/circulate” lever to dump.
 - h) Close isolation valves on Yellow Hoses
 - i) Turn on pump and continue to dump until the last 5L is left in the pail
 - j) Turn off pump

PowerFlow Mark III Flushing Pump may be used to inject Fernox Protector into the now-clean system: Open isolation valves on Yellow Hoses. Turn “dump/circulate” lever to circulate. Add Protector through spout. Turn on pump for 10 minutes. Turn off pump. Close isolation valves on Yellow Hoses. Turn “dump/circulate” lever to dump. Turn on pump and continue until last 5L is left in the pail.