

Power flushing is the most effective method of cleaning existing heating systems, especially those containing large quantities of corrosion debris (BS7593:2006).



Power flushing pumps for professionals



With Kamco CLEARFLOW power flushing pumps you get:

- Power flushing pumps suitable for all heating systems, including underfloor.
- Ultra high flow rates for maximum removal of sludge and corrosion debris.
- Instantaneous flow reverser.
- Operation up to 75°C; run dry capability.

- Portability wheels, or carry.
- Hoses and fittings ready assembled.
- Starter pack of chemicals for 2+ • jobs.
- Waterproof hose carry container.
- Kamco technical expertise, helpline support and service workshop.
- 12 months warranty; parts and labour.

- Free training course for customers at UK training centre.
- Link to customer website.
- Free mainland UK delivery.
- Dual purpose acid proof construction allows pump to be used to descale boilers and water heaters.

Why buy from Kamco?

1. We design and build our own pumps in the UK, and will advise on selecting the best pump for your needs.

2. We have full back-up facilities, with UK telephone help line, training, spares, and service facility.

3. The Kamco in-house training school. Courses include a power flush on a complete heating system, tips, wrinkles, and techniques.

4. Reassurance and support from the original Power Flushing pump company, producing pumps since 1992.

What do people in the know say? My Clearflow pump is the best earning tool I've ever bought. RF, Kent. My next power flush will be number 1274 so you really have a great product. Fast, personal service and great people within the company. Corgi customers

PB, Harrow.

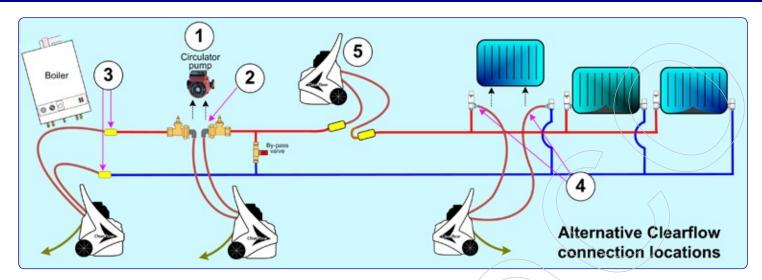
Telephone help line: +44 (0) 1727 875020

f: +44 (0) 1727 875335 www.kamco.co.uk Unit 9, Curo Park, Frogmore St Albans, Herts. AL2 2DD e: info@kamco.co.uk

Power flushing pumps for domestic and small commercial systems

| | CF40 EVOLUTION | CF90 QUANTUM 2 | CF210 TITAN |
|-------------------------------|---|--|--|
| Technical data | Rear view of CF40 showing wheels | Kanco Kanco | |
| Application | Domestic heating systems | Domestic and small commercial heating systems | Domestic and commercial heat- ing systems |
| Flushing capability | 20/25 radiators max; 2/3 storeys | 40 radiators max; 3 storeys | 60 radiators max; 3 storeys |
| Tank capacity | 39 litre translucent HDPE | 57 litre translucent HDPE | 125 litre translucent HDPE |
| Electric motor size | o.50 HP, IP55 rating, 230 or 110 volt | 0.75 HP, IP55 rating, 230 or 110 volt | 0.75 HP, 1P55 rating, 230 or 110 volt |
| Max.flow rate | 90 lt/min | 150+ lt/min | 170+ lt/min |
| Max. head | 20 mt | 24 mt | 28 mt |
| Max. temperature | 75° C. | 75° C. | 75° C. |
| Flow reverser type | instantaneous | instantaneous | instantaneous |
| Control valves | 2 x 3-port combination valves for isolation and dumping | 2 x 3-port combination valves for isolation and dumping | 2 x 3-port combination valves for isolation and dumping |
| Flow and return hoses | 2 x 5 metre hoses, 16 mm I.D. re- inforced PVC | 2 x 5 metre hoses, 19 mm I.D. re-inforced PVC | 2 x 5 metre hoses, 22 mm I.D. re-inforced PVC |
| Hose end fittings | 3/4" BSP x 16 mm tool-free brass hose couplings | 3/4"BSP x 19 mm tool-free brass hose couplings | 1"BSP x 22 mm tool-free brass hose couplings |
| Dump hose | 1 x 8 metre, 16 mm l.D. re- inforced PVC | 1 x 8 metre, 19 mm l.D. re- inforced PVC | 1 x 8 metre, 22 mm l.D. re- inforced PVC |
| Water inlet hose | 1 x 8 metre re-inforced PVC | 1 x 8 metre re-inforced PVC | 1 x 8 metre re-inforced PVC |
| Overflow hose | 1 x 3 metre, 16 mm I.D. re- inforced PVC | 1 x 3 metre, 19 mm l.D. re- inforced PVC | 1 x 3 metre, 22 mm l.D. re- inforced PVC |
| Other hoses supplied | 2 x adaptor hoses for connection to 1.5" circulator pump fittings. | 2 x adaptor hoses for connec- tion to 1.5" circulator pump fittings. | 2 x adaptor hoses for connec- tion to 1.5" circulator pump fittings. |
| Carrying / transport | Integral handle; 75mm wheels | Integral handle: large diameter 200mm wheels. | Integral handle: large diameter 200mm wheels. |
| Weight (without hoses) | 17 kg | 22.5 kg | 28.5 kg |
| Chemical handling ability | All commercially available acids, alkaline solutions, chlorine solutions. | | |
| Dimensions (mm), w x d x h | 390 x 440 x 690 | 390 x 590 x 890 | 530 x 680 x 890 |
| Also included | Starter pack of flushing chemicals, inhibitor, and pH test strips, sufficient for 2+ standard power flushing jobs. To part kit of BSP threaded adaptors. Comprehensive operations manual; Waterproof hose set carry crate. Pack of 50 promotional leaflets explaining the benefits of power flushing to householders. | | |
| Training | FREE proficiency training at St Albans Training Centre. | | |

Using a CLEARFLOW[™] pump to power flush a heating system



Connection of the CLEARFLOW to a heating system may be made by several different methods, the choice of which will depend on accessibility and practicality:

1. Across the heating system circulator pump fittings, after removal of the pump. A set of adaptor hoses is included with every CLEARFLOW pump.

2. Using the CP2 pump head adaptor (an optional extra) to connect onto the body

of the heating system circulator pump, after removing the electric motor. This is the pre-



ferred method when flushing combination

boiler heating systems, as the plate heat exchanger (primary water side) can also be power flushed without removal from the boiler.

3. Across the flow and return pipe connections at the boiler, isolating the boiler itself. This is the preferred method when replacing a boiler.

4. Across the two pipes leading to one radiator, having drained and disconnected this radiator only. Leave the radiator valves on the pipes. The standard CLEARFLOW hose end fittings will connect onto 3/4" radiator valves. Adaptors are supplied to fit 1/2" radiator valves.

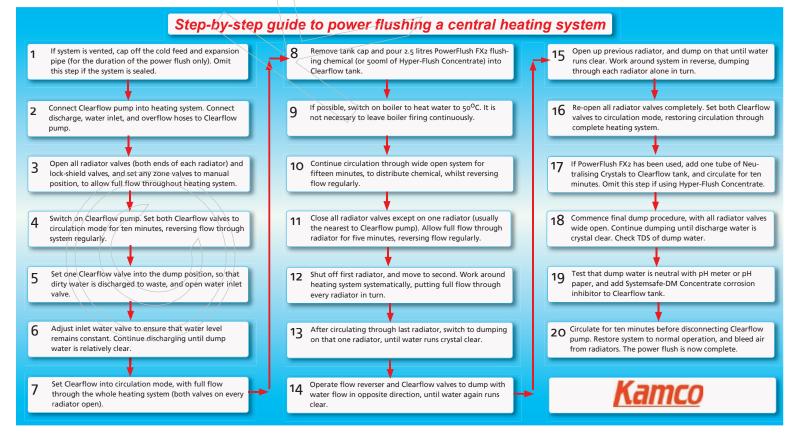
5. A CLEARFLOW pump may be connected

into a length of larger diameter pipe work, using push-fit or compression connections adapted to 3/4" male BSP screw threads (or 1" male BSP screw threads if CF210 pump is used). See point 5 in diagram above.

Vented systems

If the heating system is vented, it is necessary to make it into a sealed system for the duration of the power flush using temporary fittings.

Comprehensive instructions for use are included with every CLEARFLOW pump, and the telephone help line service ensures that pump users can get helpful and experienced advice on using both equipment and chemicals.



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ТМ The chemicals and accessories to use with Clearflow^{''''} pumps

POWERFLUSH FX2 and HYPER-FLUSH CONCENTRATE are formulated to penetrate, loosen, and break down corrosion debris and sludge into small particles, which are then forcibly expelled from the system by the high water velocity generated by the Clearflow pump.

Whilst high water velocity alone will remove some debris from heating systems, the smaller the particle size, the greater is the effect of the moving water, demonstrated by the dramatic increase in flushing efficiency when using POWERFLUSH FX2 and HYPER-FLUSH CONCENTRATE.

Power Flushing Chemicals



PowerFlush FX2 High performance flushing chemical for maximum debris removal.



Hyper-Flush Concentrate. Non-acidic mobiliser and solvent for sludge and iron oxides. Used when aluminium radiators or heat exchangers



Systemsafe-DM Concentrate. Scale and corrosion inhibitor

are present.

for all domestic heating systems. For mixed metal systems including aluminium.

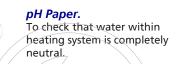


Systemsafe-DM Concentrate carries the Buildcert / DWTA logo, proof that it has passed a tough performance test in a laboratory independently monitored by Buildcert.



Neutralising Crystals. Used after power flushing

with PowerFlush FX2, to neutralise any acidic residues.



Foambreaker

Antifoam

Power Flushing Accessories



adaptor. Reduces set-up time and enables thorough flushing of combination boiler systems.

filter. Reduces power flushing time, increases efficiency and saves water.



CombiHeat power flushing heater. Heats system water to boost flushing chemical efficiency.





CombiMag Twin high capacity magnetic filter. Twin cylinder CombiMag for high performance power flushing pumps such as the Clearflow CF210.



tool. Loosens compacted radiator debris.



Systemsure IK6 injector unit. Enables chemicals to be added to systems through radiator air bleed valves or filling loop.



Plate Heat Exchanger Adaptor Set. Enables plate heat exchangers to be thoroughly flushed.

For the best results when using a CLEARFLOW pump use POWERFLUSH FX2 or HYPER FLUSH CONCENTRATE





Waterproof Maintenance Mat. Prevents accidental water damage.



Stockist: