

FERNOX
Powerflow Profi MK3
Flushing Machine



FERNOX Powerflow Profi MK3 Flushing Machine Instruction Manual

[Home](#) » [FERNOX](#) » FERNOX Powerflow Profi MK3 Flushing Machine Instruction Manual 

Contents

- [1 FERNOX Powerflow Profi MK3 Flushing Machine](#)
- [2 Introduction and Ordering](#)
- [3 Product Specification](#)
- [4 Hose Sets and Optional Extras](#)
- [5 Pump Head Adapter Spares](#)
- [6 TF-1 Flushing Adapter Spares](#)
- [7 Carriage Charges](#)
- [8 FAQs](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)

FERNOX

FERNOX Powerflow Profi MK3 Flushing Machine



The complete guide to all Powerflow models:

- Powerflow hoses and ancillaries
- Replacement parts for all models of Powerflow pump Pump Head Adapter spares
- Service
- Carriage for spares

Introduction and Ordering

Part Codes

Please ensure that you quote the Fernox part code description when ordering.

How to Order

All items listed may be ordered through good plumbers' merchants.

Fernox Powerflow Mk III



Order codes for complete Powerflow machines:

- **56779:** Fernox Powerflow Mk III UK/ 230v/ 50Hz
- **56490:** Fernox Powerflow Mk III UK/ 110v/ 50Hz Site Safe
- **58362:** Fernox British Gas Powerflow Mk III UK/ 230v/ 50Hz
- **56874:** Fernox Powerflow Mk III Euro/ 230v/ 50Hz
- **58973:** Fernox Powerflow Mk III USA/ 110v/ 60Hz

Fernox Powerflow Mk III

The Mk III Powerflow machine comes complete with all hoses and fittings, ready to use straight out of the box!

Product Specification

- 1100W pump/motor (1.5 hp)
- Circulation rate of up to 99 l/min
- Rated to 85°C operating temperature
- CE marked (MET mark USA)
- Reversible flow action
- 50 litre tank
- Integral double check valve on mains fill
- Two year return to base warranty

Hose Sets and Optional Extras

Flow and Return Extension Hose Pack

Set of two yellow flow and return hoses and cam action fittings to extend standard hoses.

- Code: 60269 5m
- Code: 60270 10m
- Code: 60271 15m

Renewables Compatible Flow/ Return Hose

1" Flow/ Return hose 5m x 2. Improves flow rates on critical applications such as Ground Source Heat Pumps up to 120 l/min.

- **Code:** A5

Dump and Overflow Extension Hose Pack

Set of two x 8m $\frac{3}{4}$ " clear braided PVC dump and overflow hoses and cam action fittings to extend standard hose.

- **Code:** 51403



Mains Extension Pack

Single ½" 8m clear mains hose with coupling to connect to original mains hose.

- **USA:** Fitted with female garden hose thread fitting.
- **Code:** 51404 UK/ Euro
- **Code:** 51404/A USA

Complete Set of Extension Hoses

- Comprises of extension packs:
 - 2 x Flow/Return 5m
 - 2 x Dump/Overflow 8m
 - 1 x Mains Hose
- **Code:** 60272



Pump Union Elbows (Pair)

Set of two 90° elbows to connect the flow and return hoses to standard 1 ½" BSP pump unions placed at 130mm centres to fit a standard circulator or Fernox Boiler Buddy connection.

- **Code:** 58790

USA Standard Flange ¾" BSP Pump Connectors (Pair)

- **Code:** 60273

Replacement Hose Set

A complete set of replacement hoses as supplied with the machine. Does not include flanges:

- 2 x Flow/Return 5m
- 2x Dump/Overflow 8m
- 1x Mains Fill 8m

USA: mains hose fitted with female garden hose thread fitting.

- UK Code: 60274
- USA Code: 60275



Powerflow Mk III Spare parts (fit all models unless otherwise stated)

- Moulded Tank with Casters and Fixing Bolts. Replacement rotationally moulded tank, fits all models of Powerflow machine. Complete with casters.
 - **Code:** 58796

Reverse Flow/ Dump Valve- Handle Only

Blue machined handle to fit reverse flow valves on all models and dump valve. Universal fit.

- Code: 58799

Flow/ Return Valve- Left Hand

Pre-assembled flow/return valve to fit all models of Powerflow machine.

- **Code:** 58802



Flow/ Return Valve Right Hand

Pre-assembled flow/return valve to fit all models of Powerflow machine. Also fits Dump Valve on Powerflow Mk1.



Black Plastic Carrying Handle

Carry-handle to fit all models of Powerflow machine. Supplied with bolts and washers.

- **Code:** 60276

Mains Fill Valve Quarter Turn Ball ½" (Blue Handle) A good quality quarter-turn ball valve used to control the mains water flow on all models of Powerflow.

Code: 58805

Mains Fill Plastic Nipple ½" x ½" BSP

The nipple connects the filling hose to the mains filling assembly.

Code: 58806



Mains Fill Assembly – for all models of Powerflow

The complete, pre-assembled mains filling assembly comprises of stainless steel hexagon tank connector, backing nut, double check valve, ball valve and nipple and thrust washers.

Code: 58807

Flow and Return ¾" x 20mm Female Nut Liner and Seal

Parallel connectors used at the system end of the yellow flow/return hoses. This is supplied with a new stainless steel ¾" worm-drive clip.



Flow and Return ¾" x 20mm Female Nut Liner and Seal- 90°

Alternative connectors used at the system end of the yellow flow/return hoses- as supplied with the Fernox Pump Head Adapter. This is supplied with a new stainless steel ¾" worm-drive clip.

- **Code:** 58841

Camlock Female Coupler ¾" Hose (each)

Cam action hose coupler to fit all models of Powerflow. For use on the Flow/Return, Dump and Overflow hoses. This is supplied with a new stainless steel ¾" worm-drive clip.

- **Code:** 58811

Camlock Male Coupler ¾" Hose (each)

Cam action male hose adapter as used on extension hoses. This is supplied with a new stainless steel ¾" worm-drive clip.

- **Code:** 58817

**Replacement Box**

Provision of a replacement box is essential for return shipping of machines that have been repaired (see later section)

**Multi-lingual (1b) instruction manual for Powerflow**

The new manual features easy to follow diagrams of all operations. The manual is multilingual and it can also be

downloaded FREE from our website at www.fernox.com.

- **Code:** 60277

2" Cap for Chemical Fill Point

Black screw cap 2" cap for chemical fill point- fits all models.

- **Code:** 58816



Mains Fill 13mm Female Nut, Nut Liner and Seal- Parallel

Connections used at ends of the mains hose, 13mm x 1/2" or 13mm x 3/4". This is supplied with a new stainless steel 1/2" worm-drive clip.

- **Code:** 58818 13mm x 1/2"
- **Code:** 58818/A 13mm x 3/4"

Set of Metal Casters

Set of x 4 metal casters with rubber tyres to fit all Powerflow machines.



Internal Hose Connection Set for Powerflow MkII

A complete set of internal hoses and parts as fitted on the Powerflow MkII. This set is supplied with stainless steel $\frac{3}{4}$ " worm-drive clips.

- **Code:** 58827

Stainless Steel Filter Plate for Powerflow MkII

The inlet-filter plate as fitted on the Powerflow MkII pump.

- **Code:** 58832

Stainless Steel Worm Drive Clip $\frac{1}{2}$ ", $\frac{3}{4}$ " & 1"

High quality stainless steel worm drive clip is used on Powerflow hoses and internal fittings.

- $\frac{1}{2}$ " Code: 58833
- $\frac{3}{4}$ " Code: 58834
- 1" Code: 58834/A



Stainless Steel Collar for Powerflow MkII & III Impeller

The collar is supplied with washer and split pin.

- **Code:** 60279

Power Flex Cable (UK) 110V

A 5m long 16A rated electrical cable for 110v/ 50Hz Powerflow pumps.

- **Code:** 60280



Power Flex Cable (UK/Euro) 230V

A 5m long 10A rated cable for all 230v Powerflow pumps.

- **Code:** 60281

UK BS1363 13A Plug with 10 Amp Fuse

- Black plug
- Code: 60282

European Schuko type Three Pin Plug

Black in-line plug with earth connection

- **Code:** 60283



UK 'Site Safe' Yellow 16A 110V Plug

For use with site safe transformers.

- **Code:** 60284

USA 15A Three Pin Plug and Cable

USA 15A three pin straight through plug and cable set. Underwriters Laboratory (UL) approval number: E156136

- **Code:** 60285



Replacement UK/EURO Powerflow Motor- MkII & MkIII

230V / 50Hz motor for Powerflow MkII/ MkIII machines. Comprises of motor and shaft only For Powerflow MK1 see part also part 60289 below.

Code: 60286

Replacement 'Site Safe' UK/EURO Powerflow Motor- MkII & MkIII

'Site Safe' 230V / 50Hz motor for Powerflow MkII/ MkIII machines. This motor is for use with 'Site Safe' 110V transformers. Comprises of motor and shaft only

Code: 60287



Replacement USA Powerflow Motor- MkIII Only

USA 110V / 60Hz motor for Powerflow MkIII machines only. Comprises of motor and shaft only. Underwriters Laboratory (UL) insulation: E248718.

- **Code:** 60288

Upgrade Kit- Conversion kit to fit Powerflow MkIII Motors to MkI

Upgrade kit to fit Powerflow MkIII motors to MkI Powerflow machines – motor is not included.

- **Code:** 60289

Motor Spacer Block

Motor spacer block for Powerflow MkIII (also fits MkII).

- **Code:** 60290





Pump Impeller to fit Powerflow MkII & Mk III- 50Hz

Moulded plastic pump impeller with collar and split pin for 50Hz operation. 150mm diameter. Not for USA – see Code: 60294

Code: 60293 (Supersedes: 58824)

Pump Impeller to fit Powerflow Mk III – 60Hz

Moulded plastic pump impeller with collar and split pin for 60Hz operation. 110mm diameter. Not for use in UK/Europe

Code: 60294



Powerflow MkIII replacement Top Plate and Multi-port Valve

Moulded plastic top plate supplied complete with multi-valve assembly dump outlet and reverse flow valve.



Rubber Gasket for Powerflow MkIII

Rubber gasket for Powerflow MkIII multi-port valve.

- **Code:** 60296

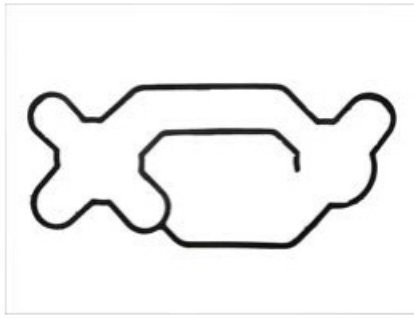
Dump Outlet for Powerflow MkII & Mk III

- Used for repairs.
- **Code:** 60297

Powerflow Pump Head Adapter

Patented design Pump head adapter for all Powerflow models. This unit fits Grundfos, Wilo (green body), Myson/ Circulating Pumps, Pegler and DAB pumps plus most boiler manufacturer's 'own label' derivatives.

- **Code:** 55568



TF-1 Flushing Adapter

Pump head adapter to facilitate flushing from the Fernox Total Filter TF-1 – fits 22mm and 28mm model TF-1



- **Code:** 59980

Pump Head Adapter Spares

O-Ring Set

Set of O-Rings to fit all common pumps (1 each of 72, 74 & 80mm rings).

- **Code:** 58837

Sliding Bush with Gasket

Sliding bush with gasket for pump head adapter.

- **Code:** 58838

Spring for Powerflow Pump Head Adapter Outlet spring for pump head adapter. Made from 304 stainless steel.

- **Code:** 58839



Thrust Plate for Powerflow Head Adapter

Stainless steel thrust plate 1.5mm and fixing screws.

- **Code:** 58840

Instructions for Pump Head Adapter

PPHA Multi-lingual Instruction manual for the pump head adapter.



TF-1 Flushing Adapter Spares

- Pair of 1" BSP Flat Seals Pair of black seals.
- Code: 60298

TF-1 Adapter Instructions

- TF-1 adapter multi-lingual instruction manual



Annual Service

Return and repair service for Powerflow machines. These services are only available for mainland UK customers. Price includes collection (the machines need to be boxed up by the customer), assessment, service, cleaning plus returns carriage. Any additional parts required will be charged at the normal spare price. A quotation for the job is

supplied by our workshop after assessment in our workshop.

Powerflow Annual Service

Powerflow service/repair base charge – includes return to base and re-delivery. This service is available in the UK Mainland only.

Code: 58792

Labour for Repairs

Labour for repairs (hourly rate).

Code: 58793

Annual Service Pack

Buy the parts to replace fittings that are most subject to wear and tear.

- **Code:** 58387



Carriage Charges

All orders supplied from our Saffron Walden office for delivery direct are subject to a carriage charge per order as indicated.

Carriage Charge for Small Orders

Low value orders below £5 value or 500g weight where speed of delivery is not important.



Code: 58836

Carriage Charge for Standard Orders (mainland UK)

FedEx UK overnight service with fully traceable delivery for all standard orders. Online tracking and POD

available.

- **Code:** 58815



Carriage Charges for International Orders

- FedEx UK international service



Contact Details

Contact your local European/USA Cookson office for spares. Prices on application Cookson Electronics, Fernox Forsyth, Sheerwater, WOKING GU21 5RZ

- **Phone:** 0870 601 5000
- **Fax:** 0870 601 5005
- **Email:** sales@fernox.com

FAQs

How can I order replacement parts for my Powerflow machine?

Please ensure that you quote the Fernox part code description when ordering. All items listed may be ordered through good plumbers' merchants.

What is the warranty period for the Fernox Powerflow Mk III?

The Fernox Powerflow Mk III comes with a two-year return-to-base warranty.

Documents / Resources



[FERNOX Powerflow Profi MK3 Flushing Machine](#) [pdf] Instruction Manual
56779, 56490, 58362, 56874, 58973, Powerflow Profi MK3 Flushing Machine, Powerflow Profi MK3, Flushing Machine

References

- [User Manual](#)

Manuals+. Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.