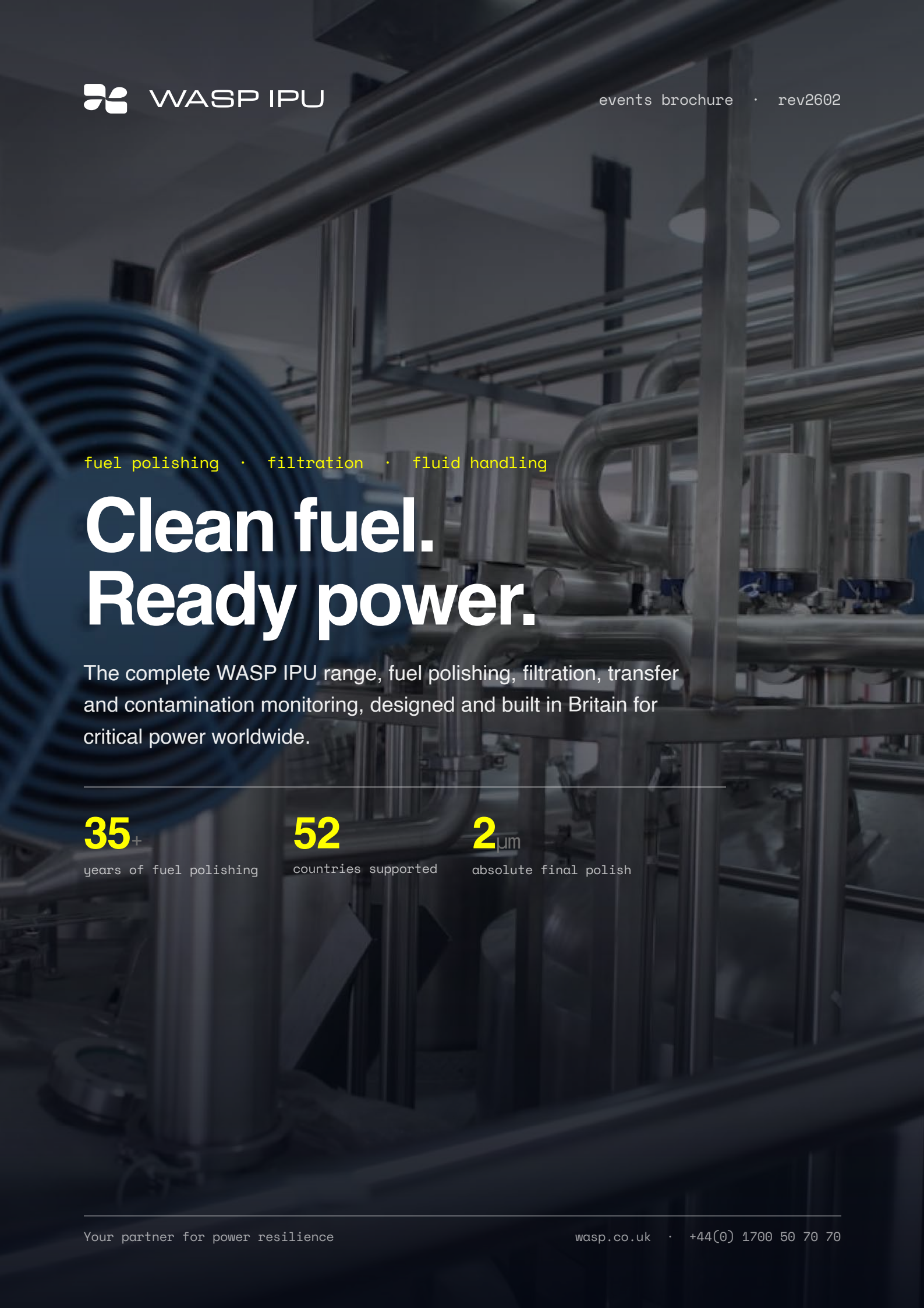


fuel polishing · filtration · fluid handling

Clean fuel. Ready power.

The complete WASP IPU range, fuel polishing, filtration, transfer and contamination monitoring, designed and built in Britain for critical power worldwide.

35+
years of fuel polishing

52
countries supported

2µm
absolute final polish

A critical power equipment supplier

With over 35 years' experience, WASP are the pioneers of the fuel polishing industry. We design, develop and manufacture fuel filtration equipment, including innovative, class-leading fuel polishing systems, and are ISO 9001:2015 certified.

industries

- Facilities management
- Military and government
- Healthcare
- Data centres
- Transport and telecommunication
- Banking and marine

product ranges

- Diesel fuel polishing systems
- Separ fuel filter / water separators
- Simplex and duplex fuel filters
- Bag filters and housings
- Air / oil / water / fuel / hydraulic filters
- Valve control systems and custom builds



Designed, built and serviced by the same hands, in Britain.

What makes us unique is that by designing and building our own systems, we have the flexibility and expertise to manufacture products specific to your budget, requirements and specifications.

Taking poor quality fuel and cleaning it

Fuel polishing is the technological cleaning process which removes water and particulates from diesel and HVO fuel stored for the medium to long term. It keeps fuel at optimum condition and helps prevent fuel-related engine and generator failures.

1 · System recovery

Cleaning the fuel in the tank, returning it to a useable state and maintaining EN590 pass levels for particulate and water.

2 · System maintenance

Fuel optimisation, maintaining quality and ensuring it is ready for use when called on.

3 · Analytics

Collating internal and external data from the system and its sensors to picture fuel and system efficiency over time.



Clean fuel protects the injectors, pumps and engines that carry the load.

We clean poor quality diesel into usable, clear, bright fuel. No chemicals or biocides are used in the process.

Stage by stage, in sequence

By removing the bacterial content and neutralising residual micro-fine particles, the infection simply cannot return, making WASP fuel polishing both effective and environmentally friendly.

01

Magnetic conditioner

Ferrous removal and bacterial neutralisation

02

Centrifuge

Free water and sludge removal

03

1st stage filter

Large particulate removal

04

Coalescer

Emulsified water removal

05

2nd stage filter

Medium and microscopic particulate removal

06

Sensors

Trigger alerts when filters need cleaning or changing

07

Touchscreen control

Manual and auto setup, BMS, reporting, trending, data export, Ethernet sharing

Range comparison

Four fuel polishing ranges, plus custom-build units. EN590 calls for below 4 micron and below 200 ppm water.

	w-hl high-lift	w-pfs	wb	w10ac/dc
target market	Underground tanks, high technology	Data centres, hospitals, critical industry	Entry level, budget conscious	Day tanks
tank sizes	To 250,000 L	To 500,000 L	To 50,000 L	To 5,000 L
final clean	2 µm abs (0.5 nom)	2 µm abs (0.5 nom)	10 µm (3 µm option)	6 µm (3 µm option)
free water removal	99.6% single pass	99.6% single pass	99.2% single pass	99.4% single pass
emulsified water	99.1% single pass	99.1% single pass	—	97% single pass
control	Touch screen	Touch screen	Button / lamp	Button / lamp
bms	Ethernet, volt-free, RS485	Ethernet, volt-free, RS485	Volt-free	Volt-free
reporting	Yes	Yes	—	—
multi-tank cleaning	Yes	Yes	2–3 tanks	—
particulate monitoring	Yes	Yes	—	—
cloud connectivity	Yes	Yes	—	—

Flow rates and current draw depend on installation detail and are quoted as nominal values. Narrow pipework, high lifts and similar mechanical restrictions will affect flow rate and current draw. Custom-build units are available for requirements outside these four ranges.

The complete model range

Twenty-five standard fuel polishing models across seven ranges, from a 8 L/min wall unit to a 500 L/min frame-mounted module, plus custom builds. Every model removes water, particulate and microbial contamination from stored fuel.

model	mount	flow	max tank	control	power
EKO1A	Wall	50 L/min	20,000 L	Kapture	230V 1ph
EKO2A	Wall	50 L/min	20,000 L	Kapture	230V 1ph
DDF2	Frame	100 L/min	40,000 L	Kapture	230V 1ph
DDF3	Frame	150–220 L/min	90,000 L	Touch screen	230V / 400V
DDF4	Frame	220–500 L/min	210,000 L	Touch screen	400V 3ph
DDF6	Frame	500 L/min	210,000 L	Touch screen	400V 3ph
DDM1	Mobile	100 L/min	40,000 L	DOL	230V 1ph
DDM2	Mobile	100 L/min	40,000 L	DOL	230V 1ph
DDM3	Mobile	150–220 L/min	80,000 L	DOL	230V / 400V
DDM4	Mobile	220 L/min	80,000 L	DOL	400V 3ph
W-HL060	Wall / frame	75 L/min	125,000 L	Touch screen	220V / 110V
W-HL120	Wall / frame	140 L/min	250,000 L	Touch screen	220V / 110V
W-PFS-008	Wall	8 L/min	10,000 L	Touch screen	24V DC
W-PFS-010	Wall	10 L/min	12,500 L	Touch screen	220V / 110V
W-PFS-014	Wall	14 L/min	20,000 L	Touch screen	24V DC
W-PFS-026	Wall	26 L/min	30,500 L	Touch screen	220V / 24V DC
W-PFS-040	Wall	40 L/min	50,000 L	Touch screen	220V / 110V
W-PFS-060	Wall	60 L/min	100,000 L	Touch screen	220V / 110V
W-PFS-120	Frame	120 L/min	250,000 L	Touch screen	220V / 110V
W-PFS-240	Frame	240 L/min	500,000 L	Touch screen	220V / 110V
WB-10	Wall	10 L/min	12,500 L	Lamp / button	12–220V
WB-25	Wall	25 L/min	30,000 L	Lamp / button	12–220V
WB-40	Wall	40 L/min	50,000 L	Lamp / button	12–220V
WB-120	Floor	120 L/min	150,000 L	Lamp / button	220V
W10AC / W10DC	Wall	Entry level	10,000 L	Lamp / button	220V / 12–24V DC

EKO range, wall mounted

EKO · wall mount

EKO1A-050-230501

EKO1A

A high-performance wall-mounted polishing system for tanks up to 20,000 litres, pairing a compact unit with an intelligent microprocessor control module. Cleaning capability 87% higher than the industry standard.

flow 50 L/min tanks to 20,000 L control Kapture
power 230V 50Hz 1ph ports 1" BSPP male weight 31 kg
size 934 × 445 × 217 mm IP IP44

- Stage 1 filter 1µm absolute plus stage 2 water removal
- Microprocessor control with fault sensing and alarm
- Lower purchase and lifetime maintenance cost



EKO · wall mount

EKO2A-050-230501

EKO2A

The EKO2A adds a second filter stage to remove more particulate, or water and particulate at the same time, achieving the same cleanliness standard in a single pass.

flow 50 L/min tanks to 20,000 L control Kapture
power 230V 50Hz 1ph ports 1" BSPP male weight 47 kg
size 934 × 826 × 240 mm comms Modbus RTU / RS485

- Single-pass water and particulate removal
- Programmable timer, fascia, BMS or Modbus control
- Fault sensing with alarm and pump overload protection



DDF range, frame mounted

DDF2 · frame

DDF2B1-100-230501

DDF2

A compact floor-mounted cabinet designed to remove the solid and microbial contamination found at the bottom of tanks up to 40,000 litres.

flow 100 L/min tanks to 40,000 L control Kapture
power 230V 50Hz 1ph ports 1.5" BSPP weight 110 kg
size 1430 × 1320 × 440 mm IP IP44

- ISO 18/16/13 or better dirt-holding capacity
- Optional Filtasorb2 inserts achieve 100ppm or better
- Rugged frame with integral drip tray



DDF3 · frame

DDF3A1-150-230501

DDF3A1-150

A compact floor-mounted system for removing sludge and particulate residue from tanks up to 90,000 litres, with dual particulate and water removal.

flow 150 L/min tanks to 90,000 L control Touch screen
power 230V 50Hz 1ph ports 1.5" BSPP weight 192 kg
size 1591 × 1214 × 540 mm IP IP66

- Differential pressure gauge indication
- Flow switch, e-stop, beacon alarm and float switch
- Modbus RTU over RS485



DDF range, higher flow

DDF4 · frame

DDF4A2-220-400503

DDF4A2-220

Twin filtration paths bring triple-stage removal of particulate and water contamination from tanks up to 90,000 litres.

flow 220 L/min tanks to 90,000 L control Touch screen
power 400V 50Hz 3ph ports 2" BSPP pressure 10 bar
size 1495 × 2260 × 1150 mm IP IP66

- Triple-stage filtration for particulate and water
- 7-day programmable timer
- E-stop, beacon alarm and float switch



DDF6 · frame

DDF6A2-500-400503

DDF6

A powerful high-flow filtration and polishing module using a two-stage principle to remove solid contamination, microbial activity and water ingress in a single pass.

flow 500 L/min tanks to 210,000 L control Touch screen
power 400V 50Hz 3ph ports 3" BSPP weight 614 kg
pressure 3 bar (shut-off 3.5) IP IP66

- Filtasorb2 removes 100% free and 99% emulsified water
- Rated 10 bar working pressure
- Leakage alert via drip-tray float switch



DDM range, mobile

DDM1 · mobile

DDM1A1-100-230501

DDM1

The entry-level fuel polishing buggy. Lightweight and portable, with high-capacity particulate filtration and Filtasorb2 cells removing all free water and emulsified water to 100ppm or less.

flow 100 L/min tanks to 40,000 L control DOL
power 230V 50Hz 1ph ports 1.5" BSPP weight 81 kg
size 1000 × 650 × 730 mm IP IP66

- Ideal for basement tank access
- All-terrain castor wheels
- Suits diesel, HVO, kerosene, biodiesel and oils



DDM2 · mobile

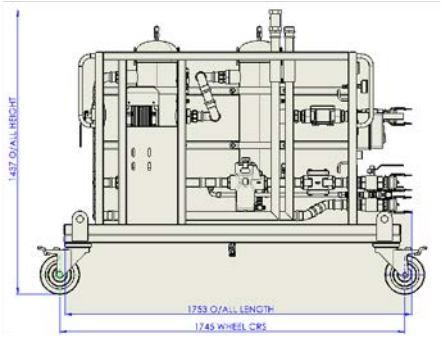
DDM2A2-100-230501

DDM2

The enhanced version of the DDM1, offering increased capacity and improved options within a compact, fully portable footprint.

flow 100 L/min tanks to 40,000 L control DOL
power 230V 50Hz 1ph ports 1.5" BSPP weight 87 kg
size 1300 × 650 × 750 mm IP IP66

- Extensive filter-cell inserts for every application
- Pressure gauge indication of performance
- Particle counters and flow meters available



DDM range, heavy duty

DDM3 · mobile

DDM3A1-150 / A2-220

DDM3

Heavy-duty mobile polishing with exceptional filtration efficiency and a series flow path allowing staged filtration for the most challenging clean-up applications.

flow 150–220 L/min tanks to 80,000 L control DOL
power 230V / 400V ports 1.5"–2" BSPP weight 300–320 kg
size 1409 × 1348 × 720 mm IP IP66

- Series flow path enabling staged filtration
- Filtasorb2 water removal to 100ppm or better
- All-terrain castor wheels



DDM4 · mobile

DDM4A2-220-400503

DDM4

Twin flow path, high-capacity filtration brought to the mobile market, for contaminated fuel in even the most challenging environments.

flow 220 L/min tanks to 80,000 L control DOL
power 400V 50Hz 3ph ports 2" BSPP pressure –
size 1495 × 2260 × 1150 mm IP IP66

- Removes water contamination down to 100ppm
- Fuel meets ISO 4406 18/16/13 and EN590 water content
- Rugged frame with integral drip tray



W-HL high-lift range

W-HL high-lift

W-HL060

W-HL060W / F-220 · -110

High-lift capacity diesel cleaning system. Up to 75 lit/min, nominal 60 lit/min, cleaning fuel to 2 micron absolute, removing free and emulsified water, bacteria and particulate.

flow 75 lit/min max tanks to 125,000 L
control Touch screen power 220V 50Hz 1ph 3A
ports 1.5" BSPP / NPT lift 6–7 m vertical
pump Sliding vane weight 85 kg wall / 135 kg frame

- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 125,000 litres
- Integrated fuel flow indicator



W-HL high-lift

W-HL120

W-HL120W / F-220 · -110

High-lift capacity diesel cleaning system. Up to 140 lit/min, nominal 120 lit/min, cleaning fuel to 2 micron absolute, removing free and emulsified water, bacteria and particulate.

flow 140 lit/min max tanks to 250,000 L
control Touch screen power 220V 50Hz 1ph 6A
ports 2" BSPP / NPT lift 6–7 m vertical
pump Sliding vane weight 180 kg wall / 250 kg frame

- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 250,000 litres
- Integrated fuel flow indicator



W-PFS range, compact

W-PFS

W-PFS-008

W-PFS-008-W-24Vdc

Up to 8 lit/min diesel fuel polishing system, cleaning fuel to 2 micron absolute, removing both free and emulsified water, bacteria and particulate. DC powered only.

flow 8 lit/min tanks to 10,000 L power 24V DC, 3A
ports ¾" BSPP male pump PTFE gear weight 18 kg
mount Wall control Touch screen

- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 10,000 litres
- Diesel / EN590 / HVO / biodiesel and similar



W-PFS

W-PFS-010

W-PFS-010-W-220Vac · -110Vac

Up to 10 lit/min fuel polishing system, cleaning fuel to 2 micron absolute, removing both free and emulsified water, bacteria and particulate. AC powered only.

flow 10 lit/min tanks to 12,500 L power 220V 50Hz 1ph 3A
ports ¾" BSPP / NPT pump PTFE gear weight 21 kg
mount Wall control Touch screen

- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 12,500 litres
- Diesel / EN590 / HVO / biodiesel and similar



W-PFS range, DC & mid-flow

W-PFS

W-PFS-014

W-PFS-014-W-24Vdc

Up to 14 lit/min diesel fuel polishing system, cleaning fuel to 2 micron absolute, removing both free and emulsified water, bacteria and particulate. DC powered only.

flow 14 lit/min tanks to 20,000 L power 24V DC, 5A
ports ¾" BSPP male pump PTFE gear weight 19 kg
mount Wall control Touch screen



- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 20,000 litres
- Diesel / EN590 / HVO / biodiesel and similar

W-PFS

W-PFS-026

W-PFS-026-W-220Vac · -110Vac · -24Vdc

Up to 26 lit/min fuel polishing system, cleaning fuel to 2 micron absolute, removing both free and emulsified water, bacteria and particulate. AC or DC.

flow 26 lit/min tanks to 30,500 L
power 220V / 110V AC · 24V DC ports ¾" BSPP / NPT
pump PTFE gear weight 42 kg mount Wall
control Touch screen



- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 30,500 litres
- Diesel / EN590 / HVO / biodiesel and similar

W-PFS range, mid-flow

W-PFS

W-PFS-040

W-PFS-040-W-220Vac · -110Vac

Up to 40 lit/min diesel fuel polishing system, cleaning fuel to 2 micron absolute, removing both free and emulsified water, bacteria and particulate.

flow 40 lit/min tanks to 50,000 L power 220V AC, 5A
ports 1" BSPP male pump PTFE gear weight 65 kg
mount Wall

- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 50,000 litres



W-PFS

W-PFS-060

W-PFS-060-W-220Vac · -110Vac

Up to 60 lit/min fuel polishing system, cleaning fuel to 2 micron absolute, removing both free and emulsified water, bacteria and particulate.

flow 60 lit/min tanks to 100,000 L power 220V AC, 5A
ports 1.5" BSPP male pump Sliding vane weight 75 kg
mount Wall

- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 100,000 litres



W-PFS range, high-flow

W-PFS

W-PFS-120

W-PFS-120-F-220Vac · -110Vac

Up to 120 lit/min diesel fuel polishing system, cleaning fuel to 2 micron absolute, removing both free and emulsified water, bacteria and particulate.

flow 120 lit/min tanks to 250,000 L power 220V AC, 12A
ports 2" BSPP male pump Centrifugal weight 345 kg
mount Stainless frame

- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 250,000 litres



W-PFS

W-PFS-240

W-PFS-240-F-220Vac · -110Vac

Up to 240 lit/min fuel polishing system, cleaning fuel to 2 micron absolute, removing both free and emulsified water, bacteria and particulate.

flow 240 lit/min tanks to 500,000 L power 220V AC, 12A
ports 2" BSPP male pump Centrifugal weight 550 kg
mount Stainless frame

- 99.9% free water removal in a single pass
- 99% emulsified water removal in a single pass
- 2 micron absolute final polish (0.5 mic nominal)
- For tanks up to 500,000 litres



WB range, entry level

WB

WB-10

WB-10-12 / -24 / -110 / -220

Up to 10 lit/min fuel polishing system, cleaning fuel to 10 micron, removing free water, bacteria and particulate. An ideal entry-level system for basic cleaning needs and budget.

flow 10 lit/min tanks to 12,500 L
power 12/24V DC · 110/220V AC ports ¾" BSPP / NPT
pump PTFE gear weight 16–19 kg
control PLC / lamp / button lift 5 m max

- 96% free water removal in a single pass
- 10 micron fuel cleaning
- Manual and automatic modes
- For tanks up to 12,500 litres
- Diesel / EN590 / HVO / biodiesel and similar



WB

WB-25

WB-25-12 / -24 / -110 / -220

Up to 25 lit/min fuel polishing system, cleaning fuel to 10 micron, removing free water, bacteria and particulate.

flow 25 lit/min tanks to 30,000 L
power 12/24V DC · 110/220V AC ports 1" BSPP / NPT
pump PTFE gear weight 19–21 kg
control PLC / lamp / button lift 5 m max

- 96% free water removal in a single pass
- 10 micron fuel cleaning
- Manual and automatic modes
- For tanks up to 30,000 litres
- Diesel / EN590 / HVO / biodiesel and similar



WB range, higher flow

WB

WB-40

WB-40-12 / -24 / -110 / -220

Up to 40 lit/min fuel polishing system, cleaning fuel to 10 micron, removing free water, bacteria and particulate.

flow 40 lit/min tanks to 50,000 L
power 12/24V DC · 110/220V AC ports 1" BSPP / NPT
pump PTFE gear weight 26–29 kg
control PLC / lamp / button lift 5 m max

- 96% free water removal in a single pass
- 10 micron fuel cleaning
- Manual and automatic modes
- For tanks up to 50,000 litres
- Diesel / EN590 / HVO / biodiesel and similar



WB

WB-120

WB-120-220 (110V coming soon)

Up to 120 lit/min fuel polishing system, cleaning fuel to 10 micron, removing free water, bacteria and particulate. Floor mounted with integral drip tray.

flow 120 lit/min tanks to 150,000 L
power 220V 50Hz AC 5A ports 1.5" BSPP / NPT
pump Sliding vane weight 80 kg mount Floor mount
size 850×1400×700 mm

- 96% free water removal in a single pass
- 10 micron fuel cleaning
- Manual and automatic modes
- For tanks up to 150,000 litres
- 3 micron option not available on this model



W10AC / W10DC range

W10 W10AC · W10DC (I / M suffixes)

W10AC / W10DC

Fuel polishing designed for customer re-badging and integration. Designed with simplicity in mind for small gen-sets, belly tanks, hotels, residential homes and fuel oil stores. Mounted on a white or blue base, ready for mounting to any hard vertical surface.



positioning Entry level tanks to 10,000 L
clean 10, 6 or 3 micron water 98% free & emulsified
power 220V AC · 12/24V DC ports ¾" BSP / NPT
weight 10–14 kg size 50–60 × 30–50 × 12 cm

- Base models: switchable pump, clear polymer bowl, 6 micron elements
- Suffix I: timer, manual mode, water-in-fuel and service sensors
- Suffix M: magnetic conditioner for bacterial and ferrous removal
- Diesel / EN590 / HVO / biodiesel and similar

model matrix

model (ac / dc)	control	conditioner	weight	size (cm)
W10AC / W10DC	—	—	10 kg	50 × 30 × 12
W10ACI / W10DCI	Simple	—	11 kg	60 × 50 × 12
W10AC-M / W10DC-M	—	Yes	13 kg	60 × 30 × 12
W10ACIM / W10DCIM	Simple	Yes	14 kg	60 × 50 × 12

AC units 220V 0.25 kW; DC units 12V or 24V, 0.2 kW. 110V 60Hz available on request. Weights and dimensions approximate.

W-PFS and W-HL optional features

Each application may have different requirements, so we have developed a range of add-ons to customise a solution. As we have an in-house team of engineers, we can also offer solutions not on this list.

WASPNet cloud connection

4G / Ethernet connectivity to control and monitor remotely, with custom dashboards and map-based geolocation.

Stainless-steel enclosure

IP54, thermostatic ventilation, frost protection heater and leak detection. Up to 60 lit/min units. Mild steel also available.

Stainless-steel mounting frame

For simple floor mounting of standard and enclosed units. Galvanised steel also available.

Trolley mounting (portable)

Take the system between tanks, supplied with 2 × 5 m hoses. Up to 60 lit/min units.

Multi-tank changeover

Automatic change-over lets one system clean 2, 3 or more tanks autonomously.

Absolute polishing

1 micron and 0.5 micron final-stage filters, removing bacteria at a cellular level.

Dosing system

Accurately injects fuel additives, with stainless tank and level detection.

Particulate counter

ISO 4406 in-line monitoring, reporting and storage, with alarms and export.

Automatic water drains

Autonomously evacuates water from the system during operation.

Modbus, BMS and fieldbus

Modbus, PROFIBUS, BACnet, CANbus and other protocol interfaces.

Priming stage

Automatic priming solution fitted to the system output, left in situ.

Towing unit enclosure

Four-wheel frame mounted units with optional towing connection.

Tanker off-loaders & transfer systems

Alongside polishing and filtration, WASP designs and builds the systems that move fuel: tanker off-loaders that receive and filter bulk deliveries, and transfer sets that distribute fuel around a site. A capability we are less widely known for, and one we supply routinely.

01

off-loading systems

- On-system pump options
- Flow rates above 1,000 L/min
- In-line filtration as it transfers
- Overfill protection and earthing
- BMS ready

02

transfer sets

- Flow-rate monitoring and totalising
- Duty / standby pump options
- Site distribution control
- Called by high / low alarm
- BMS ready

03

complete control systems

- Integrates with any tank sensor
- Integrates with leak detection
- Controls and logs fuel transfers
- Touchscreen HMI with event history
- Modbus, BACnet, Ethernet

04

engineered to site

- Skid, frame or enclosed builds
- Carbon or stainless steel
- Documented and commissioned
- Full O&M documentation
- UK design and manufacture

typical applications

- Fuel farms and depots, tanker to bulk storage
- Power plants and critical backup, receiving and storing large volumes
- Marine bunkering across a wide range of viscosities
- Generator day tanks and multi-tank ring mains

why it matters

Fuel arrives dirty. Off-loading with in-line filtration means the fuel entering your tank is already clean and dry, so your polishing system maintains condition rather than recovering it. Transfer sets then keep day tanks fed automatically, called by the tank gauging and reported back to your BMS.

Off-loading, transfer, polishing and control are rarely needed in isolation. We combine them into one coherent fuel-management system, engineered around your tanks and flow rates.



Filtration & separation

Bag filter housings, high-performance coalescers, magnetic fuel conditioners and Separ water separators, across the full WASP IPU filtration range.

Bag filters & housings

A bag filter is a pressure vessel housing a replaceable filter bag. Working by depth filtration, fluid flows from inside the bag outwards, trapping particles larger than the bag rating. Low cost, high flow, easy to service.

why bag filters

- Low initial cost and minimal maintenance
- Very high flow rates, scalable with multi-bag housings
- Versatile media, from a few microns to coarse straining
- Fast, tool-free bag changes

industries served

- Chemical processing, catalysts and gels
- Food & beverage, syrups and oils
- Water treatment and wastewater
- Paints, inks, resins and coatings
- Fuel and lubricating oils

specification at a glance

flow range	1 to 19,000 lit/min	bag sizes	Size 1, 2, 3 and 4
bags per housing	1 to 24	pressure rating	7 or 10 bar
materials	Carbon steel · 304 · 316 stainless	connections	¾" to 3" BSP · DN50 to DN300 flanged
closures	Swing bolt · eye nut · davit / hinged lid	seals	Nitrile · EPDM · Viton
ratings	1 to 1500 micron	options	Legs, skid, insulation, oil-absorbing bags

Single-bag and multi-bag housings handle from 1 to 19,000 litres per minute, rated to 7 or 10 bar, in carbon steel, 304 or 316 stainless steel.

Bag filter housings

Bag housing

Single-bag housings

Single-bag housing range

Compact single-bag pressure vessels for low to medium flow duties, with swing-bolt or eye-nut closures for fast bag changes. Available in carbon steel and stainless steel with a choice of connections.

flow 1–450 lit/min bags Size 1, 2, 3, 4
pressure 7 or 10 bar material CS · 304 · 316
ports ¾"–3" BSP / flanged closure Swing bolt / eye nut
seals Nitrile · EPDM · Viton finish Painted or polished

- Fast, tool-free bag replacement
- Vent and drain connections as standard
- Pressure-gauge ports for condition monitoring



Bag housing

Multi-bag housings

Multi-bag housing range

Multi-bag vessels for high-volume duties, scaling flow by adding bags within a single housing. Ideal where a large dirt-holding capacity and long service intervals are required.

flow to 19,000 lit/min bags 2–24 bags
pressure 7 or 10 bar material CS · 304 · 316
ports Flanged DN50–DN300 closure Davit / hinged lid
seals Nitrile · EPDM · Viton
options Legs, skid, insulation

- Very high flow in a single vessel
- Long intervals between bag changes
- Davit arm for safe lid handling on large units



Bag elements & coalescers

Bag elements — Polypropylene · polyester · nylon · oil-absorbing

Bag filter elements

Bags across a wide range of materials and sizes, including oil-absorbing elements that strip oil and grease from aqueous fluids. Filtration from a few microns to coarse straining.

ratings 1–1500 micron
media PP · PE · nylon mesh
sizes Size 1, 2, 3, 4
seal Plastic or steel ring
special Oil-absorbing
temp to 150°C (media dependent)
finish Singed or glazed
options Handles, liners

- Depth filtration for high dirt-holding capacity
- Oil-absorbing bags for aqueous streams
- Mesh bags recleanable and reusable



W-FCF — W-FCF-015 … W-FCF-100

W-FCF filter / coalescer range

High-performance fuel filter and coalescer units cleaning fuel to an ultra-fine level. Ideal for secondary or engine-stage filtration, or as a final-stage polishing filter for EN590 and similar diesel fuels.

flow 15–200 lit/min
filtration 2 µm abs / 12 µm
free water 99.6% efficiency
emulsified 99.2% efficiency
pressure 5 bar max
ports ¾"–2" BSPP
types Simplex · duplex · double
power None required

- Install on pressure or suction side of the pump
- Optional water-in-fuel sensor and drain tap
- Steel construction, minimal restriction



Conditioners & water separators

W-FLC

W-FLC-500 … W-FLC-5310

W-FLC fuel conditioner range

Magnetic fuel conditioners that neutralise live bacterial content so it can no longer multiply, and hold ferrous particles before they reach pumps and injectors. No power, no consumables.



flow 500–310,000 lit/hr
bodies D-shape · square · bottle · cross · industrial
material Aluminium · 316 stainless · treated steel
ports ⅜"–12" BSP magnet 9,000 gauss (N42SH)
install Suction side power None required
service Wipe core periodically

- Makes your existing separator far more effective
- Bidirectional, effectively self-cleaning
- Flanged options to PN16 on industrial sizes

Separ

SWK2000 · EVO-10 · LKF

Separ filter range

Patented water-separating fuel filters using a static-centrifuge and vane process to remove free water and particulate before the element, greatly extending element life. The range spans the metal-bodied SWK2000, the lightweight polymer EVO-10 for trucks and light plant, and the two-stage coalescing LKF.



flow 5–260 lit/min water sep >99% free water
element 30 µm standard options 10 / 60 µm stainless
bowls Clear · metal (ISO 10088)
types Simplex · duplex · double install Suction side
approvals RINA · Lloyd's · GL · BV

- Back-flushing extends service intervals
- Duplex versions serviceable without shutdown
- Heated and SOLAS steel versions available

CML4

compact portable
contamination monitor

A compact, portable contamination monitor delivering a fast, accurate assessment of contamination in the field. A metering pump enables analysis of both live and unpressurised systems, so you can check any machine in any condition, and the perfect companion to a fuel polishing programme where you need to prove cleanliness.



five key reasons

Portability
Compact and light. Works all day on a single battery charge.

Simplicity
On-screen prompts, no formal training required.

Intuitive
Full-colour 7" touchscreen. Simple software, sophisticated results.

Flexibility
Measures both pressurised and unpressurised systems.

Accuracy
LED technology, ±½ code for 4, 6 and 14 µm(c).

how to order

CML4 · moisture and temperature sensor option (W) · mineral oil and synthetic fluid compatibility (M) · full accessory kit and carry bag (00). Optional Bluetooth printer and CMP View trend-analysis software available. Country plug types UK, US, EU, CN/AUS.

specification

technology	LED light extinction optical monitor	particle sizing	>4, >6, >14, >21, >25, >38, >50, >70 µm(c)
accuracy	±½ code (4, 6, 14 µm(c))	reporting	ISO 4406 · NAS 1638 · AS4059 · GOST
viscosity	Up to 400 cSt	fluid temp	+5°C to +80°C
operating pressure	Online 350 bar · offline 2 bar	moisture sensing	% RH ±3%
data storage	Up to 4,000 tests	protection	IP65 lid closed · IP54 lid open
battery life	8 hours approx	weight	8.5 kg

WASP IPU

Your partner for power resilience when uptime is non-negotiable.

WASP, the market leaders in fuel filtration equipment. We design, develop and manufacture fuel filtration equipment including innovative, class-leading fuel polishing systems. Services include fuel testing, consultation and training.

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