

*FEEL THE FORCE!*

**mistral**  
POWER WASHERS



**HOT & COLD POWER WASHERS**

50 years of British engineering excellence



**Much misinformation is used to baffle customers when describing the actual washing power of a power washer.**

High pressure without a good flow of water will give a poor wash, because the pressure is only measured inside the pump. So claims can be made of very high pressure without any water coming out at all!

Sufficient water flow is necessary because dirt needs a certain weight of water hitting it.

Here's a good analogy. if you throw a pebble and a house brick at a window, the pebble will bounce off and the brick (because it weighs more) will go through the window.

At **mistral** - based on experience gained from over 40 years' experience manufacturing power washers, we choose the best mix of power and flow in each pressure range to achieve the optimum washing power.

In the very unlikely event of a repair, every component is accessible and repairable.

Plastic power washers, to reduce cost, use complex pump heads with lots of little bits crammed inside the cylinder heads. This reduces the reliability and life of the machine. They are often obsolete in 3 years - **even if they last that long!**

Mike Carter  
CEO - Mist-Air Dust Suppression Ltd

**PAGE INDEX**

COLD WATER WASHERS

1500CN .....	3
2200CN .....	3
1800 CP .....	4
3000 CP .....	4

HOT WATER WASHERS

1500H .....	5
2200H .....	5

STATIC CABINET COLD WATER WASHERS

1500 CS .....	6
2200 CS .....	6
3000 CS .....	6

STATIC CABINET HOT WATER WASHERS

1500 HS .....	6
2200 HS .....	6
3000 HS .....	6

EXTRAS & CONSUMABLES .....	7
----------------------------	---

**Reliability**

**Mistral Power Washers are designed to last many years with the minimum of maintenance.**

Working all over the world and used by armies, RAF, BT, Police, RAC, etc. plus, thousands of farmers, hauliers and factories, for cleaning buildings and all types of vehicles.

We don't use plastic covers; all our covers are 316 stainless steel.

All our chassis are welded steel, so no light weight tubular structures.

We avoid printed circuits, so all electrics are hard wired, proven components.

Only the best components are selected regardless of cost, to ensure long, reliable service.

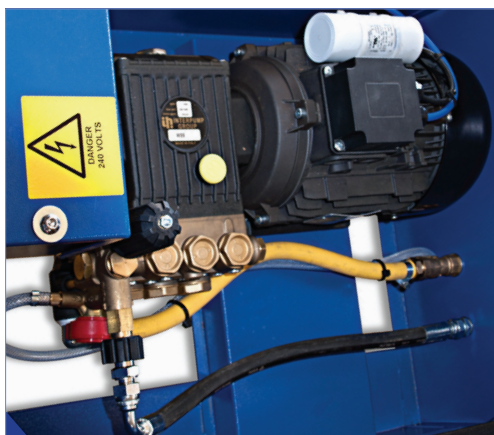
Mistral are renowned for their reliability which is why even very old models fetch high prices at farm sales.

**These cold-water power washers are the workhorses of power washers, suitable for cleaning vehicles, buildings and machinery.**

NB	Model	Power	Flow	Pressure	
*	1500CN	240v x 1PH	13 lpm	100 bar	1500 psi
**	2200CN	415v x 3PH	14 lpm	150 bar	2200 psi

\* This is the maximum washing power available for 240v single phase electricity

\*\* This is the optimum recommended power for vehicle washing, avoiding damage



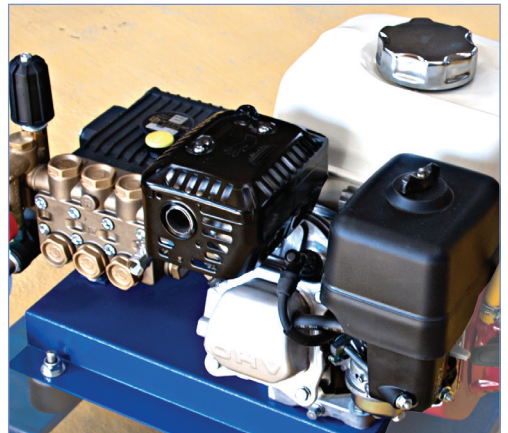
- ✓ Mild steel chassis, build unchanged for 25 years, reliable, workhorse
- ✓ No PLC's or printed circuits
- ✓ Complete with low pressure variable chemical injection, 9 m hp hose gun and lance
- ✓ Detergent application is switched on and off from the hand lance
- ✓ Two solid rubber wheels with two locking rotating castors at the front
- ✓ Easy access via hinged stainless-steel cover
- ✓ Quick release couplings for inlet and outlet
- ✓ Because of its slow running pump, this machine has a very long life. It can be connected to a hose pipe and will also suck water

Model	L (mm)	W (mm)	H (mm)	W (kg)
1500CN	850	640	640	65
2200CN	850	640	640	72

**Reliable workhorses fitted with Honda Petrol Engines and reduction gearboxes. These are Mobile units ideal for any application.**

Model	Engine	Flow	Pressure	
1800CP	5.5 hp petrol	14 lpm	124 bar	1800 psi
3000CP	11 hp petrol	15 lpm	206 bar	3000 psi

NB. We also manufacture Mobile Diesel units 41 lpm / 5000 psi



- ✓ Robust angle iron framework
- ✓ Heavy duty wheels
- ✓ Vibration dampened engine mounts
- ✓ Easy starting, reliable Honda engine
- ✓ Reduction gearbox allows slow running pump, which has a very long life and will suck water easily. It can also be connected to a hose pipe. Ideal for sucking from a remote source on site
- ✓ Low pressure variable chemical injection system 20-meter hp hose gun and lance. Detergent application is switched on and off from the hand lance
- ✓ Quick release couplings for inlet and outlet

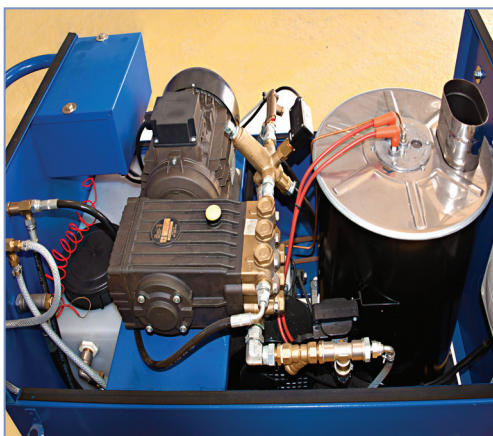
Model	L (mm)	W(mm)	H (mm)	W (kg)
1800CP	920	620	620	47
3000CP	920	620	820	73

## The ultimate in cleaning power, ideal for greasy surfaces, i.e. commercial vehicles, machinery and animal housing.

NB	Model	Power	Flow	Pressure	
*	1500H	240v x 1PH	13 lpm	100 bar	1500 psi
**	2200H	415v x 3PH	14 lpm	150 bar	2200 psi

\* This is the maximum washing power available for 240v single phase electricity

\*\* This is the optimum recommended power for vehicle washing, avoiding damage



- ✓ Strong steel construction, build unchanged for 25 years, reliable, workhorse
- ✓ Stainless steel hinged cover
- ✓ Oil-fired vertical burner unit, proven reliable for many years 63,000 Kcal/h Diesel oil 1.5 gph
- ✓ No PLC's or printed circuits. Every part can be easily replaced. An unlikely event.
- ✓ Complete with 20m hp quick release hose, gun and lance
- ✓ High pressure chemical injection system
- ✓ Adjustable temperature
- ✓ Easily accessible fuel tank with level gauge
- ✓ Easy access for all maintenance

Model	L (mm)	W (mm)	H (mm)	W (kg)
1500H	1250	700	710	155
2200H	1250	700	710	165

**These units are tailor-made to your requirements and available in stainless steel or mild steel.**

Designed for transport workshops and factories, ensuring security and tamper proof operation. Push button operation or by tokens if required to prevent unauthorised use.



- ✓ Locking cabinet, can be bolted down to prevent theft
- ✓ Mounted on own plinth with forklift holes
- ✓ Settings inside cabinet for temperature, timed chemical application, chemical concentration, etc.
- ✓ Automatic frost protection for winter protection
- ✓ Constant or timed detergent application system
- ✓ Auto stop within 2 minutes if machine is left unattended
- ✓ Detergents locked within the cabinet
- ✓ Additional water filters with low water cut-off switch
- ✓ Oil fired vertical burner unit, proven reliable for many years 63,000 Kcal/h Diesel oil 1.5 gph

Model No.	Washer Type	Power	Pressure
1500 CS	Cold water	240v	100 bar
1500 HS	Hot water	240v	100 bar
2200 CS	Cold water	415v	150 bar
2200 HS	Hot water	415v	150 bar
3000 CS	Cold water	415v	200 bar
3000 HS	Hot water	415v	200 bar

## **We manufacture many other machines and have all the bolt-on goodies offered by other manufacturers:**

### Chemicals

Chemical degreaser  
Aluminium cleaner  
Acid cleaner

### Lances

Long and short lances  
Foam lances  
Insulated Lances 500mm, 1000mm, 1200mm  
Extendable long reach lances  
Drain Cleaning jets & hoses

### Nozzles & Jets etc.

Wash Jets 0°, 15°, 25°, 40°  
Drum cleaning nozzles  
Turbo nozzles  
Sandblasters  
Wash brush  
Under chassis cleaner head  
Tank cleaner

### Hose Reels

Manual & self retracting - mild or stainless steel

### Hoses

Hose lengths up to 250 meters  
Drain jetting hose 20m, 50m, 100m  
Extension hoses 9m, 15m, 20m  
Hose lengths upto 250 meters  
Reinforced inlet hose

### Other

Retrojet drain cleaning kits  
Media and UV filters  
Booms for static cabinets



**For information on our full range of spares and accessories ring on +44 (0)1691 828 487 or email: [info@mist-air.co.uk](mailto:info@mist-air.co.uk)**

# mist-air.co.uk

e: [info@mist-air.co.uk](mailto:info@mist-air.co.uk)

t: +44 (0)1691 828487

*Est. 1975*

**Mist-Air Dust Suppression Limited**

Hillcrest, Penybont, Oswestry, Shropshire, SY10 9JF, United Kingdom

**50 years of British engineering excellence**



All Rights Reserved © Copyright 2019 - Mist-Air Dust Suppression Limited