

COTSWOLD

Dairy Equipment Co Ltd



DEALER CATALOGUE

MAY 2022

COTSWOLD WATER HEATERS

COTSWOLD ADVANTAGE

- 50 years of on-farm water heating experience
- Majority of UK Dairy farms have Cotswold heaters
- Most UK Dairy Engineers use Cotswold Water Heaters
- Robust construction
- Vented (non-pressurised) heaters
- Stainless steel tank and outer cover
- Top quality polyurethane insulation
- Time controlled cold water entry as standard
- Space saving design

STANDARD WATER HEATERS

- Heat water within 7 hrs
- Stainless steel elements
- Easily removed insulated stainless steel lid
- Remote mount control box
- Time control for elements and cold water inlet
- Stainless steel float switch
- Rod thermostat or Digital thermostat as option
- Water and electrical connections on right
- Overflow and vapour outlets 1 1/2" BSP male
- Hot water outlets
 - WH/30 - WH/120 1 1/2" BSP male
 - WH150 - WH/300 2" BSP male
- Heaters > WH/60 have 2 x outlets for use with off peak electricity

DX WATER HEATERS

Supplied as above plus:

- DX Pump:
 - 36ltrs/min @ 20psi
 - 1" BSP female connections
- Option: 24hr or 48hr time controls
- Option: Pump auto control pressure switch



We can make heaters to your individual specification on request



WATER HEATERS OPTIONS

PRE-WIRED CONTROLLER WH/PREWIRED

- With 3 metres of flexi conduit



HEAT RECOVERY COIL HS000-001

- 316 stainless steel coil 22mm x 6m



DIGITAL THERMOSTAT WITH PROBE WH/23D



PUMP PRESSURE SWITCH WH/PRESSKIT

- With gauge and non-return valve



WATER HEATER STANDS WHS1-WHS6

- Assemble on-site
- Heavy gauge stainless steel
- Stainless steel nuts and bolts
- Height 860mm as standard or 1100mm optional



THERMOSTAT WH/13



TITANIUM ELEMENT



WATER SOFTENER SALT DISPENSER WH/21 REFILL WH/21C

- Dispenses polysulphate salts into the incoming water supply
- Helps to hold limescale in suspension, reducing limescale build-up
- Replace cartridges as required
- 3/4" female connections



ACTIVATED CARBON FILTER WH/21A REFILL WH/21B

- Removes chlorine and odours
- Removes many bugs and bacteria
- Effective where borehole water is in use
- Replace cartridges as required



DRIP TRAYS WHT1 - WHT7

- Prevents condensation dripping on to floors
- Catches spillage during servicing
- All stainless steel
- Fitted with a drain at one side
- Trays extend 50mm on each side and raise the heater by 50mm



INCOLOY ELEMENT



SIZING WATER HEATERS - GUIDE ONLY
CHECK PARLOUR MANUFACTURER'S RECOMMENDATIONS

- Allow minimum 13 litres (3 Gallons) per milking point for:**

 - Double up parlours
 - Simple parlours with small milk meters
 - Parlours without warm pre-rinse
- Allow minimum 19 litres (4 Gallons) per milking point for:**

 - Complex parlours with automatic plant washers

WATER HEATER SPECIFICATIONS						
MODEL	GALLONS	LITRES	1-PHASE	3-PHASE	WIDTH x DEPTH x HEIGHT (INCHES)	WIDTH X DEPTH X HEIGHT (MM)
WH30	30	135	3KW		24 x 24 x 30	610 x 610 x 762
WH40	40	180	3KW		24 x 24 x 36	610 x 610 x 915
WH50	50	225	4.8KW	6KW	24 x 24 x 42	610 x 610 x 1067
WH60	60	270	4.8 / 6 KW	6KW	24 x 24 x 48	610 x 610 x 1220
WH70	70	315	6KW	6KW	27 x 27x 43	686 x 686 x 1093
WH80	80	360	6KW	6KW	27 x 27x 48	686 x 686 x 1220
WH100	100	450	6KW	6/9KW	32 x 32 x 45	813 x 813 x 1143
WH120	120	540		9KW	32 x 32 x 50	813 x 813 x 1270
WH150	150	675		2X6KW	38 x 38 x 50	966 x 966 x 1270
WH200	200	900		2X6KW	47 x 40 x 50	1194 x 1096 x 1270
WH240	240	1080		3X6KW	56 x 40 x 50	1423 x 1016 x 1270
WH300	300	1350		3x6KW	66 x 40 x 50	16780 x 1016 x 1270

WATER HEATING TIMES			
GALLONS	LITRES	ELEMENT SIZE	TIME TO RAISE TEMP FROM 12 TO 85 (HOURS)
30	135	3.0Kw	4.1
40	180	3.0Kw	5.5
50	225	4.8Kw	4.2
50	225	6.0Kw	3.4
60	270	4.8Kw	5.2
60	270	6.0Kw	4.1
70	315	6.0Kw	4.8
80	360	6.0Kw	5.5
100	450	6.0Kw	7
100	450	9.0Kw	4.5
120	540	9.0Kw	5.7
150	675	12.0Kw	5.1
200	900	12.0Kw	7
240	1080	18.0Kw	5.5
300	1350	18.0KW	7











WATER HEATER PRICES













STANDARD WATER HEATER WITH DUAL TIME CONTROLLER								
MODEL	CAPACITY LITRES	Water Heater Prices		UK MAINLAND DELIVERY	Water Heater Option Prices			
		STANDARD HEATER	DX HEATER		HEATER PRE WIRED	STAND 860MM OR 1100MM	DRIP TRAY	
WH30	135	£1,680.00	£1,860.00	£80.00	£90.00	WHS1 £380	WHT1	£280
WH40	180	£1,790.00	£1,970.00	£80.00	£90.00	WHS1 £380	WHT1	£280
WH50	225	£2,000.00	£2,180.00	£80.00	£90.00	WHS1 £380	WHT1	£280
WH60	270	£2,210.00	£2,390.00	£80.00	£90.00	WHS1 £380	WHT1	£280
WH70	315	£2,380.00	£2,560.00	£80.00	£90.00	WHS2 £420	WHT2	£300
WH80	360	£2,540.00	£2,720.00	£80.00	£90.00	WHS2 £420	WHT2	£300
WH100	450	£2,740.00	£2,920.00	£100.00	£90.00	WHS3 £420	WHT3	£320
WH120	540	£2,820.00	£3,000.00	£100.00	£90.00	WHS3 £420	WHT3	£320
WH150	675	£3,480.00	£3,660.00	£100.00	£90.00	WHS4 £520	WHT4	£380
WH200	900	£4,260.00	£4,440.00	£140.00	£90.00	WHS5 £520	WHT5	£420
WH240	1080	£4,480.00	£4,660.00	£160.00	£90.00	WHS6 £740	WHT6	£540
WH300	1350	£5,960.00	£6,140.00	£170.00	£90.00	POA	WHT7	£580

WATER HEATER OPTIONS PRICES		
OPTION	DESCRIPTION	PRICE
WHDXP	DX Pump	£240.00
WHPRESSKIT	Pump pressure switch	£100.00
WH23D	Additional cost of digital thermostat	£44.00
HS000-001	Additional cost of each heat recovery coil	£220.00
WH/21	Water softener salt dispenser complete	£80.00
WH/21A	Carbon Filter complete	£80.00
WH/21C	Water softener salt refill	£40.00
WH/21B	Carbon Filter refill	£40.00

ELEMENTS AND THERMOSTATS		
PRODUCT CODE	DESCRIPTION	PRICE
WH/9A	Element 3Kw 1ph 14"	£64.00
WH/9F	Element 3kw 1Ph 11"	£64.00
WH/9C	Element 4 Kw 1ph 14 "	£64.00
WH/10	Element 4.8kw 1ph 14"	£74.00
WH/11	Element 6kw 1ph 18"	£84.00
WH/12	Element 6kw 3ph 18"	£112.00
WH/12T	Element 6kw 3ph Titanium	£184.00
WH/12A	Element 9Kw 3ph 18"	£128.00
WH/13	7 1/2" high temperature rod thermostat	£42.00
WH/13A	7 1/2" low temperature rod thermostat (max 60°)	£30.00
WH/81	Element Ring 2 1/4" BSP stainless steel	£46.00
WH/27	Element ring - Brass	£24.00
WH/9G	Element fibre Washer	£2.50

WATER HEATER SPARE PARTS

PART No.	DESCRIPTION	PRICE	
FS/1	Float switch stainless steel	£134.00	
FS/1B	Float switch arm only	£63.00	
WH/1A WH/1G WH/1R	Amber neon indicator Green neon indicator Red neon indicator	£8.00 £8.00 £8.00	
WH/4V	Timer clock water heater 24hr 35mm	£68.00	
WH/8	Fuse 2 Amp (3 Pack)	£5.00	
WH/9D	Terminal block water heater (set of 10)	£15.00	
WH/15E	Solenoid water heater inlet 230v	£118.00	
WH/15A	Solenoid Coil 230v - For water valve WH15E	£48.00	
WH/17	Water heater controller (state model)	£320.00	
WH/17a	Water heater controller with digital thermostat (state model)	£380.00	
WH/19	Inline strainer ¾" BSP female	£54.00	
WH/22	Contactorp 32 Amp water heater	£68.00	

PART No.	DESCRIPTION	PRICE	
WH/22B	Contactorp 64 amp 230v water heater	£86.00	
WH/23A	Thermometer capillary dial type 120 degs	£42.00	
WH/23D	Digital thermostat with probe	£86.00	
WH/23F	Thermostat probe sensor digital thermostat	£12.00	
WH/31	Vacuum switch water heater big side entry	£85.00	
WH/32	Water heater element cover window only	£23.00	
WH/32A	Water heater element cover window complete kit	£53.00	
WH/36	Fuse holder	£14.00	
WH/37	Water Inlet pipe & comp fitting	£20.80	
WH/38	Ball valve complete copper high temperatures	£32.20	
WH/48A	Time clock Grasslin for 48 hour timer WH/48B	£78.00	
WH/48b	Timer clock 48 hour inc contactorp	£270.00	

WATER HEATER LID SEALS

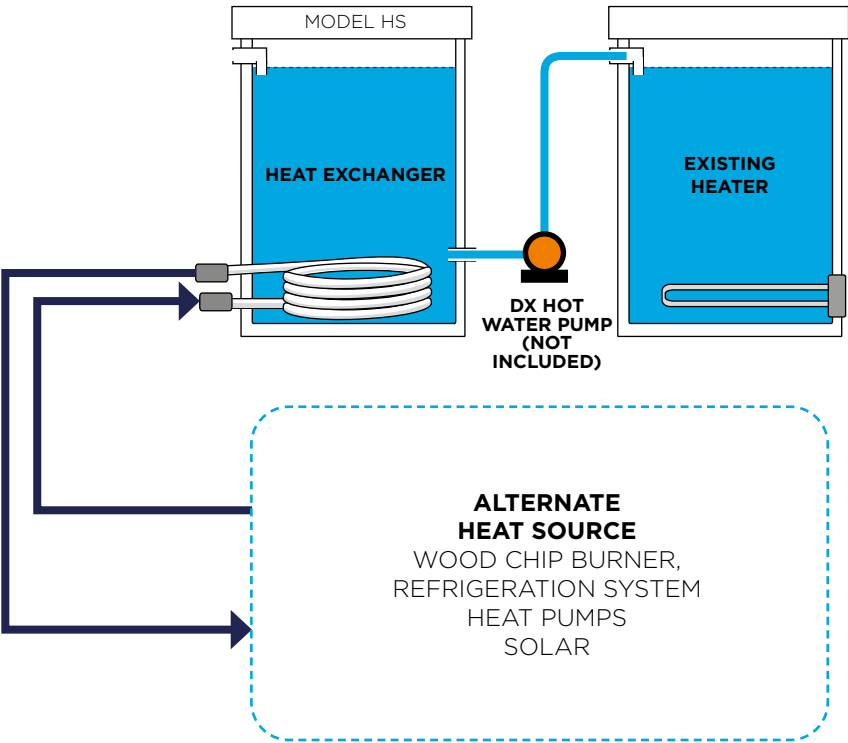
PART No.	DESCRIPTION	PRICE
WH/28	Water heater lid seal 24" (WH30-WH60)	£48.00
WH/28A	Water heater lid seal 27" (WH70-WH80)	£56.00
WH/28C	Water heater lid seal 32" (WH100-WH120)	£65.00
WH/28D	Water heater lid seal 38" (WH150)	£80.00
WH/28E	Water heater lid seal 40"x47" (WH200)	£95.00
WH/28F	Water heater lid seal 40"x56" (WH240)	£110.00
WH/28G	Water heater lid seal 40"x67.5" (WH300)	£120.00
WH/28H	Water heater lid seal 14"x14" (MB10)	£45.00
WH/SIL	Lid sealent white silicone	£12.60

COIL HEAT EXCHANGERS

- Pre-heat water for water heaters
 - Recover heat from a variety of sources
 - Reduce water heating costs
 - Reduce electricity use
 - Simple and robust
 - Stainless steel inner tank
 - Stainless steel outer cover
 - Quality polyurethane insulation
- 22mm stainless steel coils
 - HS30 - HS80 1 x coil
 - HS100 - HS100 2 x coils
 - Additional coils optional
 - Vented (non-pressure) vessel
 - Pump available for discharge
 - Float switch and solenoid water inlet
 - Timer control option available



MODEL HS SCHEMATIC DIAGRAM



COIL HEAT EXCHANGERS				
MODEL	CAPACITY (LITRES)	NUMBER OF COILS	STANDARD RETAIL PRICE	UK MAINLAND DELIVERY
HS30	135	1	£1,680.00	£80.00
HS40	180	1	£1,790.00	£80.00
HS50	225	1	£2,000.00	£80.00
HS60	270	1	£2,210.00	£80.00
HS70	315	1	£2,380.00	£80.00
HS80	360	1	£2,540.00	£80.00
HS100	450	2	£2,740.00	£100.00
HS120	540	2	£2,820.00	£100.00
HS150	675	2	£3,480.00	£100.00
HS200	900	2	£4,260.00	£140.00
HS240	1080	2	£4,480.00	£160.00
HS300	1350	2	£5,960.00	£170.00

ESTIMATED ANNUAL SAVINGS		
2X HOT WASHES HEATING AT PEAK RATE AND OFF PEAK RATE	2X HOT WASHES BOTH HEATING OFF PEAK	1X HOT WASH HEATING OFF PEAK
£440.00	£320.00	£160.00
£590.00	£430.00	£220.00
£740.00	£540.00	£270.00
£880.00	£640.00	£320.00
£1,030.00	£750.00	£380.00
£1,179.00	£860.00	£430.00
£1,470.00	£1,070.00	£540.00
£1,770.00	£1,290.00	£640.00
£2,210.00	£1,610.00	£810.00
£2,950.00	£2,140.00	£1,070.00
£3,540.00	£2,670.00	£1,290.00
£4,425.00	£3,312.00	£1,612.00

TEAT SPRAY SYSTEMS

SUPASPRAY VACUUM OPERATED TEAT SPRAY PUMP

- Vacuum operated
- Fits to existing vacuum lines
- Supplied with vacuum connections and 12mm vacuum line
- Can be fitted to competitor's systems: The SupaSpray is supplied with an adaptor to fit directly to existing Ambic teat spray installations
- High Performance: 60psi at 50kpa and 50psi at 44kpa
- Quick and easy to install
- Wall mount or fit directly in the drum
- Reliable, easily repaired and maintained on-site
- Pump only operates when spraying

USING A SUPASPRAY SYSTEM

Post-Milking Teat Disinfection

- The SupaSpray is used successfully with most post-milking teat spray chemicals.
- High pressure:
 - Good for thicker chemicals.
 - Good teat coverage
 - High flow, quick coverage

Pre-Milking Teat Sanitation:

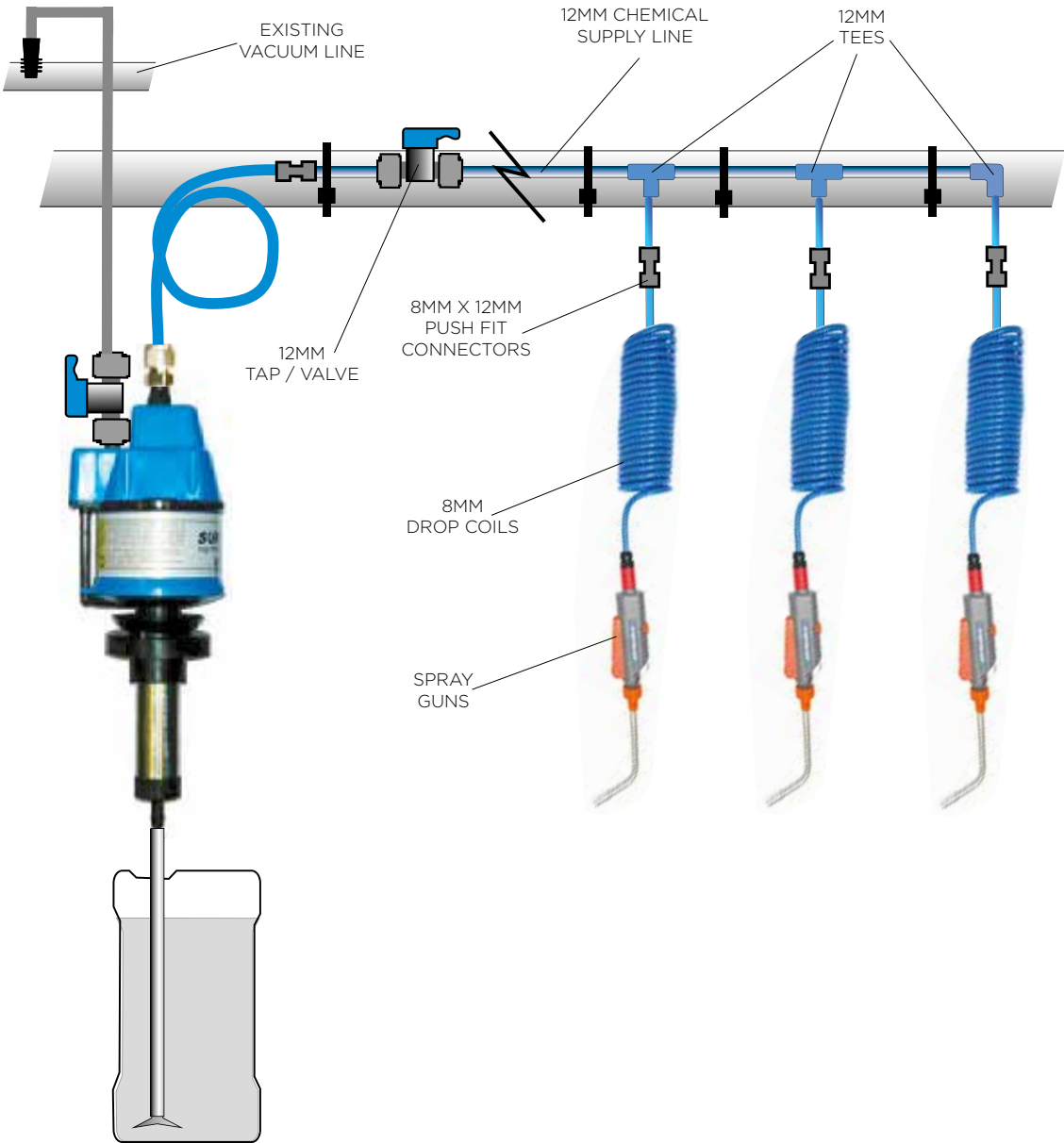
- The SupaSpray is commonly used for pre-spraying using a propriety pre-spray or a disinfectant solution to combat environmental mastitis organisms such as Strep. Uberis

Inter Cow Cluster Disinfection

- Cluster disinfection is becoming a more common practice for whole herd disinfection or to disinfect milking clusters after high cell-count cows. Usually, a peracetic acid solution is sprayed into the cluster between cows to control contagious mastitis organisms such as Staph. Aureus



SUPASPRAY KITS									
Parts		VS303 3 Guns	VS304 4 Guns	VS305 5 Guns	VS306 6 Guns	VS307 7 Guns	VS308 8 Guns	VS309 9 Guns	VS3010 10 Guns
Supaspray pump kit	Supaspray PUMP	1	1	1	1	1	1	1	1
Tube 12mmx40m	351-109	1	1	1	1	1	2	2	2
Tap 12mm x 12mm push fit	350-315F	1	1	1	1	1	1	1	1
Tee 12mm push fit	350-318F	3	4	5	6	7	8	9	10
Connector 8mm x 12mm push fit	350-120F	3	4	5	6	7	8	9	10
Elbow 12mm push fit	350-130F	1	1	1	1	1	1	1	1
Gun complete	VS/26	3	4	5	6	7	8	9	10
8mm dropper coil	VS/4	3	4	5	6	7	8	9	10
Cable ties 300mm natural (1000)	VS/22	20	25	30	35	40	45	50	55



SUPASPRAY KITS

PART No.	DESCRIPTION	PRICE
VS303	3 Gun teat spray kit	£520.00
VS304	4 Gun teat spray kit	£598.00
VS305	5 Gun teat spray kit	£676.00
VS306	6 Gun teat spray kit	£754.00
VS307	7 Gun teat spray kit	£832.00
VS308	8 Gun teat spray kit	£960.00
VS309	9 Gun teat spray kit	£1,038.00
VS310	10 Gun teat spray kit	£1,116.00



SUPASPRAY PARTS

Supaspray pump	Supaspray pump only kit	£340.00
351-109	Tube chemical 12mmx40m ldpe blue	£54.00
VS/2	Dropper coil with 150mm spray gun blue	£78.00
VS/2G	Dropper coil with 150mm spray gun green	£78.00
VS/2R	Dropper coil with 150mm spray gun red	£78.00
VS/2-9	Dropper coil with 225mm spray gun blue	£80.00
VS/2-9G	Dropper coil with 225mm spray gun green	£80.00
VS/2-9R	Dropper coil with 225mm spray gun red	£80.00
VS/2-12	Dropper coil with 300 mm spray gun blue	£82.00
VS/2-12G	Dropper coil with 300mm spray gun green	£82.00
VS/2-12R	Dropper coil with 300mm spray gun red	£82.00
VS/26B	Teat spray gun body only push fit connector	£26.00
VS/26	Teat spray gun 150mm push fit connector	£40.00
VS/26-9	Teat spray gun 225mm push fit connector	£42.00
VS/26-12	Teat spray gun 300mm push fit connector	£44.00
VS/27	Teat spray gun lance 150mm	£28.00
VS/27-9	Teat spray gun lance 225mm	£30.00
VS/27-12	Teat spray gun lance 300mm	£32.00



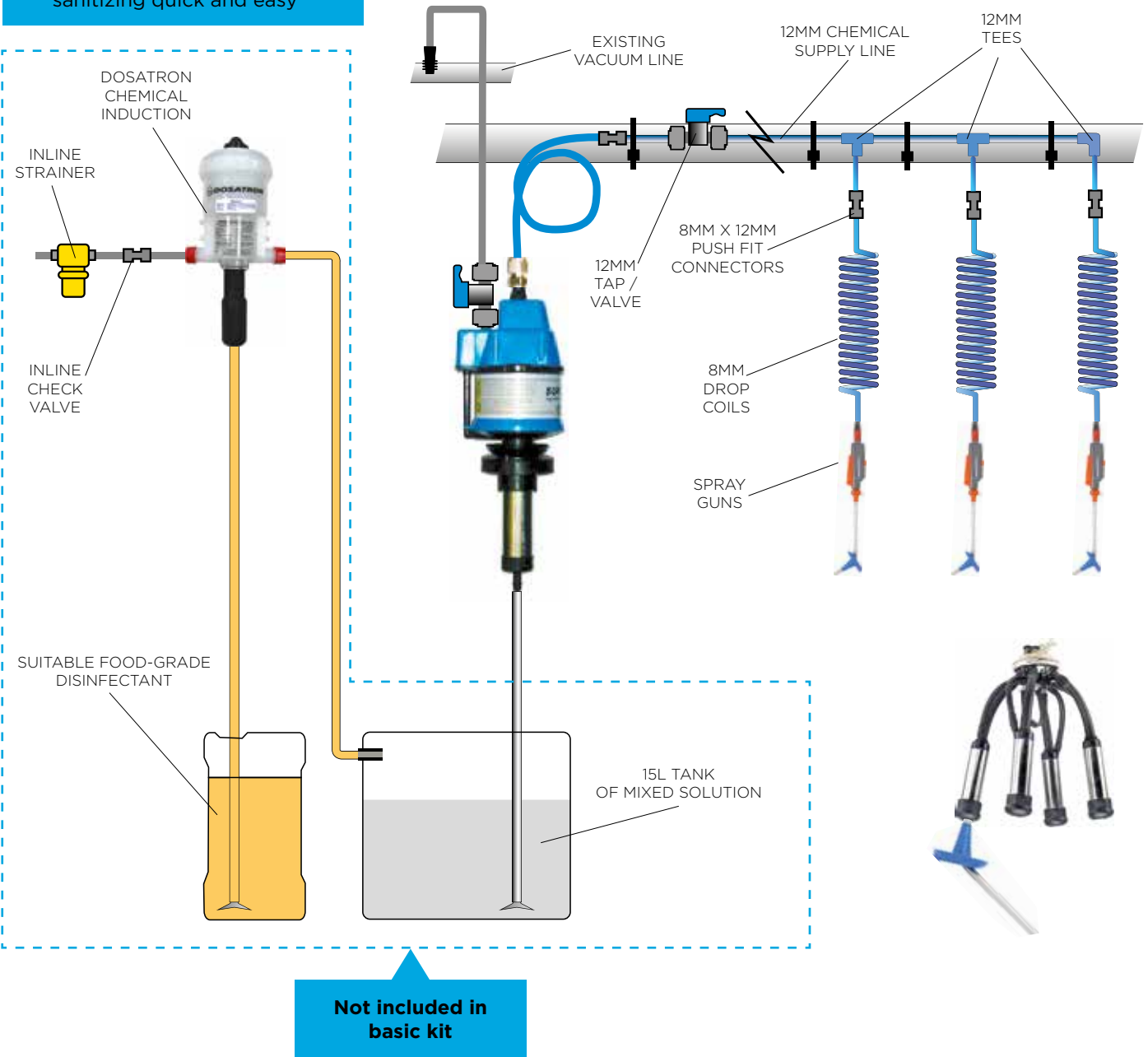
MANUAL CLUSTER FLUSHING AND IN-PARLOUR SANITISING

- Rinsing teats, liners and clusters with water and not thoroughly drying assists the movement of bacteria in the milking parlour. This can aid the spread of mastitis
- Rinsing clusters and liners with disinfectant kills bacteria and will help reduce the spread of contagious mastitis
- Washing teats with disinfectant and drying, kills bacteria, removes soil and will help reduce the incidence of environmental mastitis
- Having a disinfectant solution available in the parlour makes sanitizing quick and easy

APPLICATIONS:

- Pre-milking teat sanitizing:
 - Cleaning teats with disinfectant and drying before cluster attachment
 - Reduces risk of environmental mastitis
- General in-parlour disinfection
 - Hands and gloves during milking
 - Clusters, teat plugs after mastitis cows
- Sanitizing Clusters and liners between cows during milking
 - After all cows
 - After high cell count cows
 - Reduce spread of contagious mastitis

Mixing disinfectant such as peracetic acid needs to be done daily and accurately. This is best done with an automatic dispensing pump such as a Dosatron.



MANUAL CLUSTERFLUSH KITS

PART No.	DESCRIPTION	PRICE
VS303BF	3 Gun backflush kit	£535.00
VS304BF	4 Gun backflush kit	£618.00
VS305BF	5 Gun backflush kit	£701.00
VS306BF	6 Gun backflush kit	£784.00
VS307BF	7 Gun backflush kit	£867.00
VS308BF	8 Gun backflush kit	£1,000.00
VS309BF	9 Gun backflush kit	£1,083.00
VS310BF	10 Gun backflush kit	£1,166.00



MANUAL CLUSTERFLUSH PARTS

VS/2BF	Dropper coil with 150mm backflush gun blue	£83.00
VS/2GBF	Dropper coil with 150mm backflush gun green	£83.00
VS/2RBF	Dropper coil with 150mm backflush gun red	£83.00
VS/2-9BF	Dropper coil with 225mm backflush gun blue	£85.00
VS/2-9GBF	Dropper coil with 225mm backflush gun green	£85.00
VS/2-9RBF	Dropper coil with 225mm backflush gun red	£85.00
VS/2-12BF	Dropper coil with 300 mm backflush gun blue	£87.00
VS/2-12GBF	Dropper coil with 300mm backflush gun green	£87.00
VS/2-12RBF	Dropper coil with 300mm backflush gun red	£87.00
VS/26B	Teat spray gun body only push fit connector	£26.00
VS/26BF	Backflush gun 150mm push fit connector	£45.00
VS/26BF-9	Backflush gun 225mm push fit connector	£47.00
VS/26BF-12	Backflush gun 300mm push fit connector	£49.00
VS/27BF	Backflush gun lance 150mm	£33.00
VS/27-9BF	Backflush gun lance 225mm	£35.00
VS/27-12BF	Backflush gun lance 300mm	£37.00
DOS25	Dosatron	£690.00
WH19	Inline water filter	£54.00
CF40	Header tank	£164.00
CF46	Non return valve 3/4" fem x 3/4" EPDM	£54.00



DRAGLINE

- A dragline teat spray system has a teat spray gun or guns fitted to a flexible hose lying on the milking parlour floor
- One or two guns replace the multiple guns as found in large parlours
- The flexi hose is a specialist non-kink, chemical resistant hose

TYPICAL SET UPS:

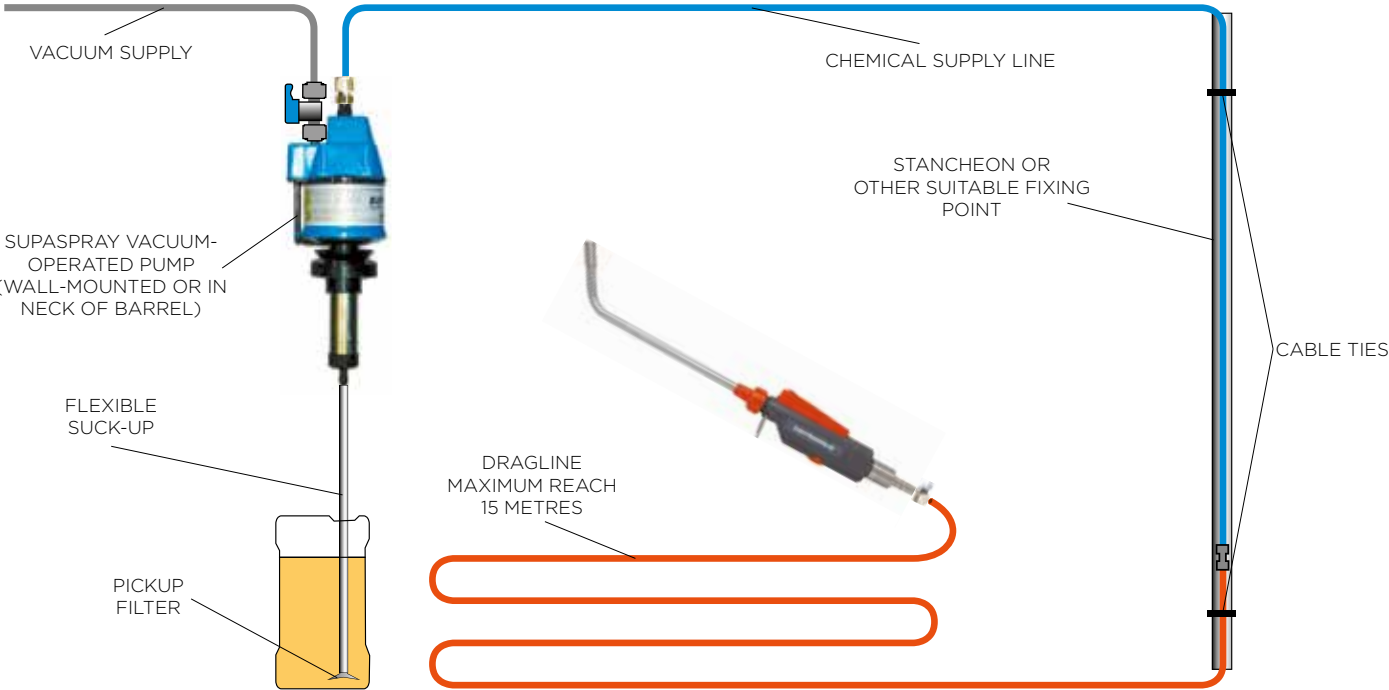
- One gun for the entire parlour
- One gun for each side of the parlour
- Other layouts to suit milking routine

CAREFUL:

- The hose on the floor can be a problem with multiple operators
- Very rough concrete floors can wear the hose

DRAGLINE BENEFITS:

- Not changing from gun to gun when spraying is quicker and easier
- Reduces the clutter of multiple dropper coils especially in swing-over parlours
- Best suited to spraying an entire row of cows in one pass



DRAGLINE KITS					
Dragline Kits contents		Guns on one side		Guns on two sides	
		One gun Kit Max 30 cows / side	Two gun kit Max 30 cows / side	Two gun kit Max 16 cows / side	Two gun kit Max 30 cows / side
Supa pump 12mm	SUPA12	1	1	1	1
Supaspray gun complete 6" stainless steel fitting	VS/26SS	1	2	2	2
Tap 12mm x 12mm push fit hand valve	350-315F	1	1	1	1
Tubing 9mm x 12mm X 10m Vacuum Tube Blue LDPE	VS/21C	0	1	1	0
Tube 9mm x 12mm x 40m LDPE Blue Coil 12"	351-109	1	1	1	2
Tee 12mm x 12mm x 12mm push fit	350-318F	0	1	1	1
Connector 10mm barbed x 12mm stem	VS/1210B	0	1	1	0
Elbow 12mm push fit x 12mm stem	350-319F	1	2	2	2
Connector 12mm x 12mm push fit	350-317F	1	1	1	2
Hose 14mm x 10mm x 15m lay flat red	351-135	1	1	1	2
Hose Clip 8mm to12mm All Stainless	VS/29C	2	4	4	4
Cable ties 300mm x 4.8mm Natural (1000)	VS/22	50	50	50	100

DRAGLINE KITS

PART No.	DESCRIPTION	PRICE	
DL001	1 Side 1 spray gun max 30 cows	£470.00	
DL002	1 Side 2 spray guns max 30 cows or 2 Sides 2 spray guns max 16 cows	£540.00	
DL003	2 sides 2 spray guns max 30 cows	£620.00	

DRAGLINE PARTS

VS/26BSS	Teat spray gun body only stainless steel connector	£34.00	
VS/26SS	Teat spray gun 150mm stainless steel connector	£48.00	
VS/26-9SS	Teat spray gun 225mm stainless steel connector	£50.00	
VS/26-12SS	Teat spray gun 300mm stainless steel connector	£52.00	











DRAGLINE CLUSTERFLUSH KITS

DL001BF	1 Side, 1 backflush gun, max 30 cows	£475.00	
DL002BF	1 Side, 2 backflush guns, max 30 cows or 2 Sides, 2 backflush guns, max 16 cows	£550.00	
DL003BF	2 Sides, 2 backflush guns, max 30 cows	£630.00	

DRAGLINE CLUSTERFLUSH PARTS

VS26BFSS	Backflush gun 150mm stainless steel connector	£53.00	
VS/26BF-9SS	Backflush gun 225mm stainless steel connector	£55.00	
VS/26BF-12SS	Backflush gun 300mm stainless steel connector	£57.00	
FO21R15	Hose dragline 14mmx15m pvc red	£42.00	

SUPASPRAY SPARE PARTS			
PART No.	DESCRIPTION	PRICE	
Supaspray pump	Supaspray pump only kit	£340.00	
SUP3	Supaspray pump circlips x 2	£7.60	
SUP4	Supaspray pump top cover	£19.70	
SUP8	Supaspray pump magnetic switch	£94.32	
SUP10	Supaspray pump bottom hose tail	£18.00	
SUP11	Supaspray pump bottom hose and foot filter	£32.00	
SUP22	Supaspray pump service kit	£48.00	
VS/21B	Tube chemical 8mmx30m nylon blue	£56.00	
VS/21C	Tube chemical 12mmx10m ldpe blue	£18.00	
351-109	Tube chemical 12mmx40m ldpe blue	£54.00	
VS/4	Dropper coil only blue	£28.00	
VS/4G	Dropper coil only green	£28.00	
VS/4R	Dropper coil only red	£28.00	
VS/37	Teatspray gun spindles x 6	£16.00	
VS/32	Teatspray service kit - spindle, trigger, and button.	£12.00	
MJ/6	Pressure cylinder	£57.00	
VS/501	Supaspray pump wall bracket kit	£15.00	

TEAT SPRAY FITTINGS			
PART No.	DESCRIPTION	PRICE	
Gun Connectors			
VS/7PF	Connector 8mm push fit x 1/8" BSP gun stud	£4.80	
VS/7ST	Dragline hose tail 1/8" x 10mm stainless steel	£8.00	
VS7SS	Dragline hose tail push on x 10mm stainless steel	£16.00	
VS/RED	Connector supaspray gun adaptor red pvc	£5.40	
Straight connectors			
VS/7APF	Connector 8mm push fit x 8mm push fit	£4.80	
350-317F	Connector 12mm x 12mm push fit	£4.80	
350-120F	Connector 8mm x 12mm push fit	£4.80	
352-167F	Connector 8mm push fit x 10mm stem	£4.80	
VS/1210B	Connector 10mm barbed x 12mm stem	£3.20	
Elbows			
VS/6PF	Elbow 8mm push fit x 8mm push fit	£4.80	
350-130F	Elbow 12mm push fit x 12mm push fit	£4.80	
350-319F	Elbow 12mm push fit x 12mm stem	£4.80	
Tees			
VS/5PF	Tee 8mm x 8mm x 8mm push fit	£4.80	
350-318F	Tee 12mm x 12mm x 12mm push fit	£4.80	
Blanking Plugs			
VS/5C	Plug blanking 8mm push fit black	£1.80	
VS/13	Plug blanking 12mm push fit black	£1.80	
Taps			
VS65B	Tap 8mm x 8mm push fit hand valve	£8.60	
350-315F	Tap 12mm x 12mm push fit hand valve	£8.60	
Plasticon			
VS/26F	Multi Adaptor	£8.60	
VS/7	Connector 8mm x 1/8" bsp Plasticon gun stud	£7.00	
Ambic Adaptor			
VS/26E	Ambic adaptor	£3.10	

MOO-JET WALK-OVER TEAT SPRAY

- Automatic teat spray system
- Cow's teats are sprayed as they walk over a spray rail
- Floor mounted stainless steel spray rail
- Twin spray nozzles offset for best teat coverage
- Spray initiated as cows approach the spray rail by Infra-red detector
- Spray duration is adjustable to suit cow speed

Race not included

TO GET THE BEST TEAT COVERAGE:

A walk-over teat spray can never give 100% teat coverage 100% of the time. But if installed and set up correctly can perform at a reasonable level.

CHEMICAL USE:

- The more chemical you use the better the teat coverage
- A standard teat spray gun will use +/- 15mls per cow per milking
- A walk-over teat spray will use +/- 40mls - 50mls per cow per milking
- It is better to use a larger volume of inexpensive chemical than a small volume of expensive chemical

POSITION:

- Regular cow flow over the spray rail will give more accurate teat coverage
- A good race leading to the spray will allow the cows to get into an even and regular flow
- Correct race width is vital, so cows are directly above the spray nozzles
- Avoid fitting spray rail near sort gates, foot baths or near gateways, this will disturb the cow flow
- Don't install the spray rail in a windy area

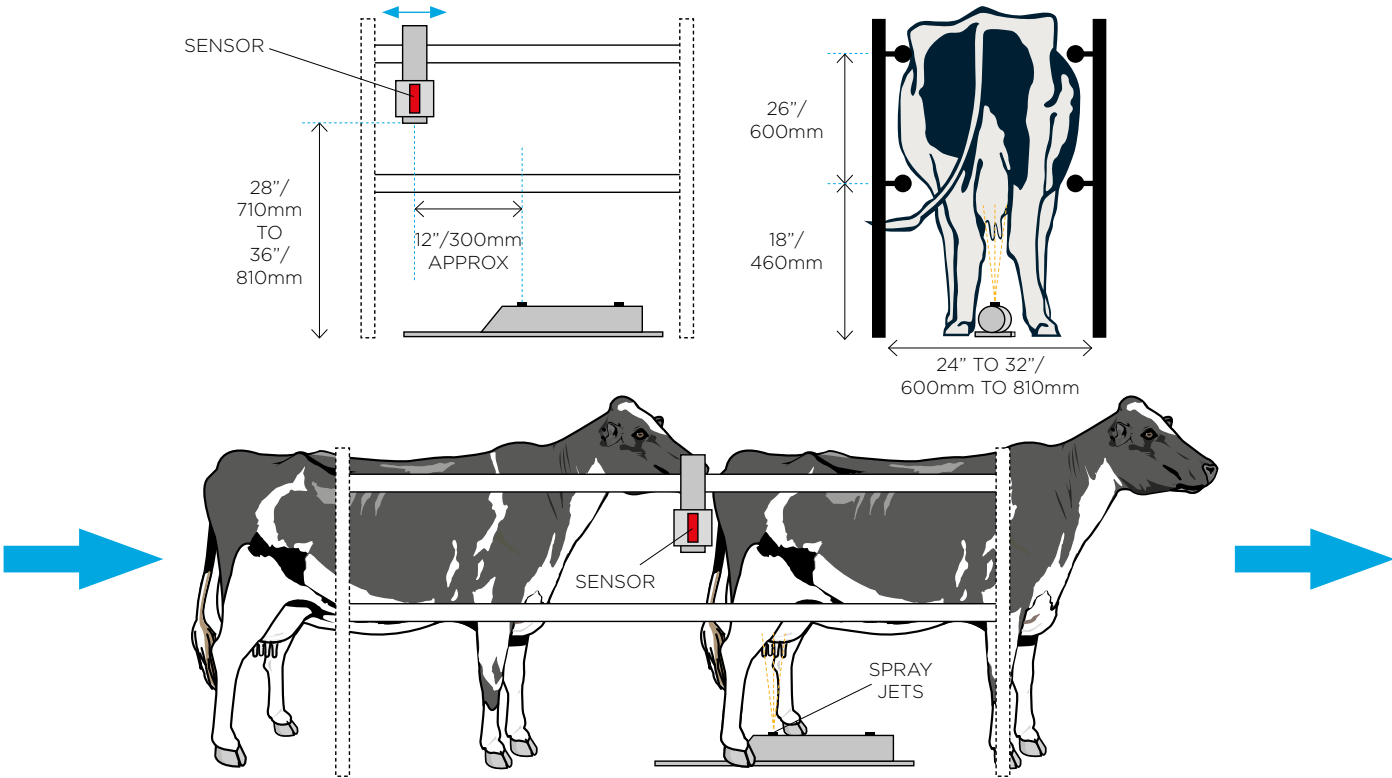
PRE-MILKING:

- A walk-over teat spray is well suited to pre-milking use
- Accuracy is not vital - the chemical is spread as it is wiped off before milking
- Lots of cheap chemical gives good coverage
- Time between spraying and wiping allows good bacterial kill time

POST-MILKING:

- Good teat coverage is important
- Good post spray chemicals are expensive
- Expensive chemical x High usage rate = High cost
- Most common problem is restricting chemical use to reduce costs

MOO-JET LAYOUT



MOO-JET FITTINGS

PART No.	DESCRIPTION	PRICE	
MJ1	Moo-jet complete system Contains: Transformer, control box, solenoid box, walkover spray rail, teatspray pump and pressure vessel	£2,450.00	
MJ2B	Spray nozzle - stainless steel	£52.00	
356-119	Spray nozzle - stainless steel 1.2 L/min		
VS/6A	Swivel elbow assembly	£8.00	
351-109	Tube chemical 12mmx40m Idpe blue	£54.00	
MJ/5A	Solenoid valve Moo-jet	£296.00	
MJ/6	Pressure cylinder	£57.00	
MJ/7	Moo-jet transmitter receiver 12v pre 2014	£360.00	
MJ/12	Moo-jet reflector with stainless steel mounting	£35.00	
MJ/9	Moojet PCB pre 2014	£346.00	

AUTOMATIC CLUSTERFLUSH



WHY THE COTSWOLD CLUSTERFLUSH SYSTEM?

- Proven effective on 1,000+ installations world-wide for more than 12 years
- Proven reliability and low maintenance costs
- Quick and simple to install, fits onto most manufacturer's equipment
- Uses existing clusters and liners
- Unique pressure vessel design – no peracetic acid going through solenoid valves
- Complete cluster and liners are sanitized
- Fits Double-up, Side by Side, Swing-over and Rotary milking installations

WHY CLUSTERFLUSH:

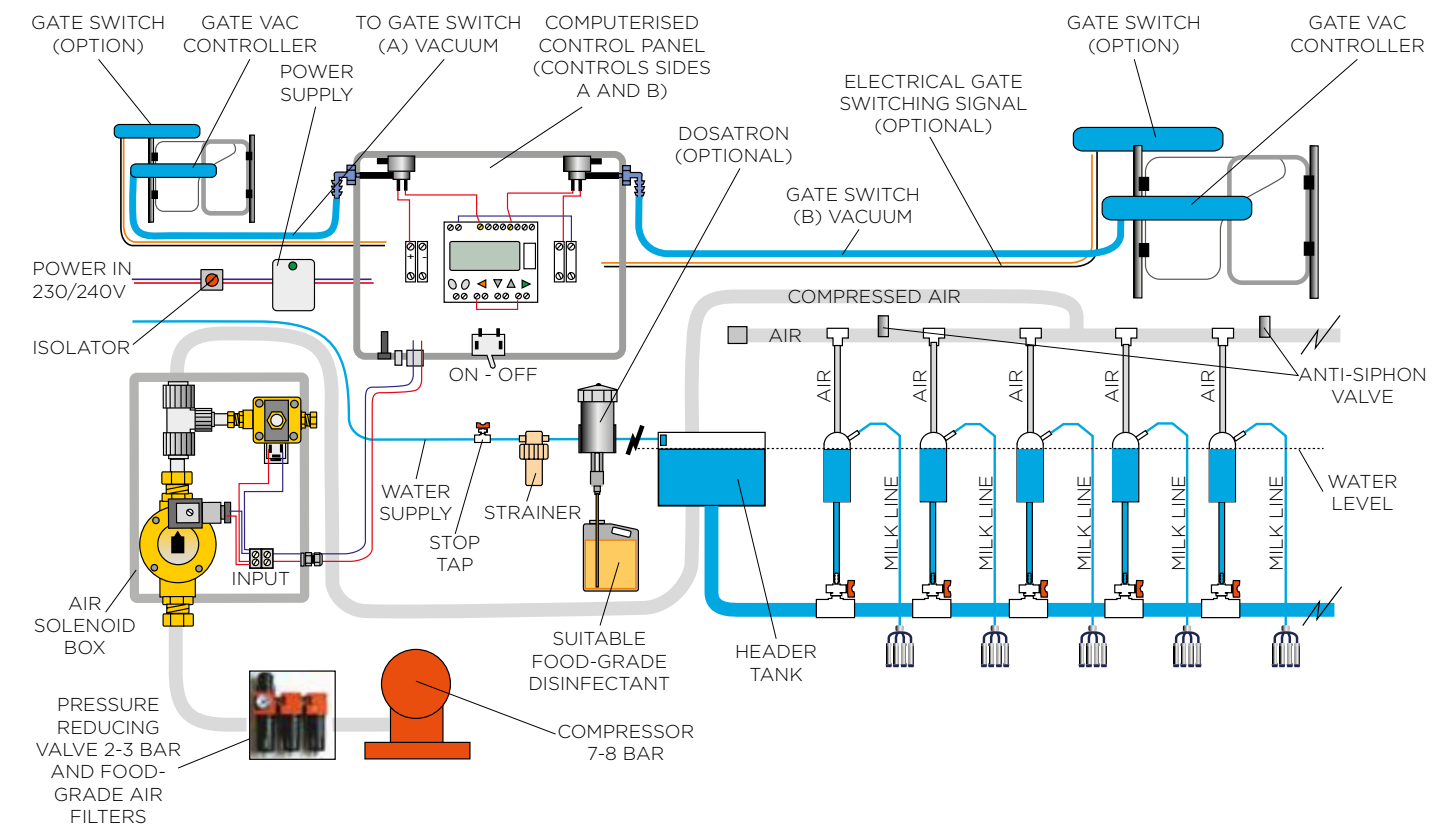
- The milking cluster is a known reservoir of bacteria responsible for mastitis being passed from cow to cow during milking
- During a typical milking routine dirty and contaminated clusters are often attached to clean sanitized teats
- Sanitizing clusters between cows is a recognized method of reducing the transfer of contagious mastitis from cow to cow during milking

WHEN TO FLUSH:

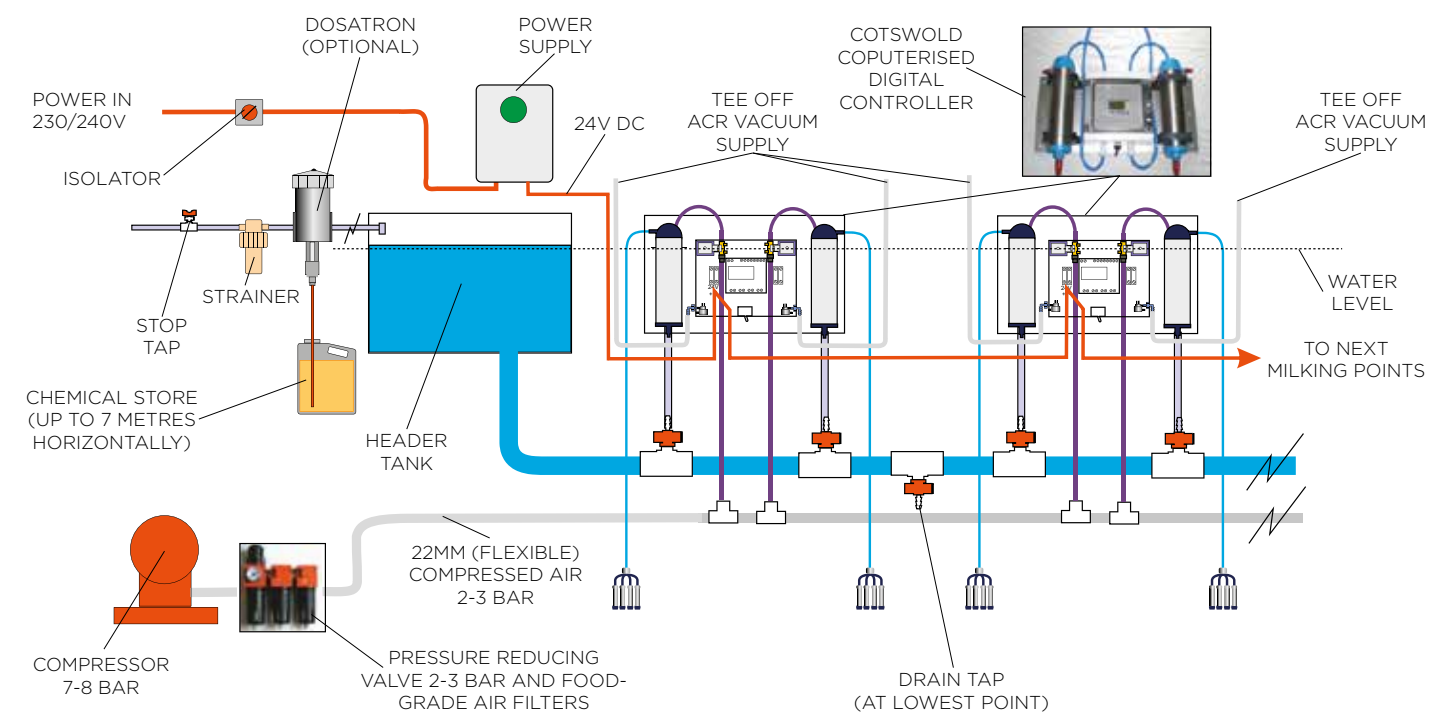
- Not all cell count problems can be cured by cluster flushing
- Where there are raised levels of contagious mastitis bacteria (such as Staph Aureus) present in the herd it is usually beneficial to cluster flush
- Where cell counts are raised, or clinical cases of mastitis occur in early lactation cows, it is probable that the cows have been infected during the dry period or at calving – check dry cow management and calving practice
- Where there are high levels of environmental mastitis check equipment – Pulsation service, ACR take off times, cluster position etc.
- Always employ good milking practice

The Clusterflush will use 700ml of disinfectant solution per point per milking







DOUBLE-UP PARLOUR TYPICAL LAYOUT FOR COTSWOLD CLUSTERFLUSH FOR DOUBLE-UP PARLOUR
























SWING OVER PARLOUR TYPICAL LAYOUT FOR COTSWOLD CLUSTERFLUSH FOR SWING OVER PARLOUR



CLUSTERFLUSH KITS			
PART NO.	DESCRIPTION	PRICE	
CF001	Clusterflush per point (Swingover + Rotary)	£580.00	
CF002	Clusterflush per point (Double-up)	£480.00	

DOS-250	Dosatron	£690.00	
CF46	Non return valve 3/4" fem x 3/4" fem EPDM	£54.00	
WH/19	Inline water filter	£54.00	
CF35	Air Filter /Regulator set 3 stage	£380.00	
CF48	Cluster Hanger Cotswold	£16.00	
CF48A	Cluster Hanger - Ring type	£16.00	

SERVICE PARTS			
CF99	Pressure vessel inner cylinder replacement kit with valves	£90.00	
CF99B	Clusterflush Service Kit valves only	£40.00	
CF21	Replacement Air Filters Set for CF35	£158.00	

CLUSTERFLUSH SPARES			
CF38	Clusterflush cylinder complete	£240.00	
CF40	Header tank	£164.00	
CF91	Clusterflush non-return milk valve	£18.00	
CF24	Solenoid 1/4" 24v DC 3 way for swingover parlours	£95.80	
CF25	Solenoid 1" 24vDC large air double-up	£198.00	
CF26	Solenoid 1/2" 24v DC open (vent for cf)	£168.00	
CF27	Vacuum switch mini normally open	£48.00	
CF28	Transformer 230v : 24v Clusterflush 200w	£260.00	
CF28B	Transformer 230v : 24v Clusterflush 500w	£369.00	
CF29	Digital Programmed Controller	£264.00	
CF29B	Control box complete (swingover Clusterflush)	£680.00	
CF30	Y piece for Clusterflush	£16.00	
CF31	Ball valve no float side entry Clusterflush header tank	£20.00	
CF31A	Plastic ball float only	£12.00	
CF37	Tap 1/2" BSP X 16mm barb for Clusterflush water line	£8.60	
CF39	Tubing 10mm x 20mm Clear SOFT PVC 30m	£116.00	
CF69	Tubing 13mm x 19mm x 30m PVC Soft Clear	£97.00	
CF112	Ezy Clip Red (20mm)	£0.73	
CF110	Easy Pliers Ezy Clip tool	£40.00	
DOS/KIT	Dosatron -25 Seal Kit	£89.00	

45 LITRE COIL HEAT EXCHANGE WATER HEATER - MAX 50°C

- A simple 45 litre coil water heater
- Producing warm water at up to 50°C at mains water pressure
- Internal copper heat exchange coil
- General purpose heater for washing teats, clusters, and hands in the milking parlour
- Inner vessel is moulded polypropylene
- Insulated with polyurethane
- Stainless steel outer case
- Fitted with a stainless steel mounting bar for easy installation
- Insulated stainless steel lid that is easily removed for access
- 3Kw 1 phase stainless steel element with 3m of cable
- Rod thermostat temperature control

*** Make sure there is sufficient mains water pressure during milking time ***



OTHER SPECIFICATIONS:

- 1/2" BSP male connections for entry and exit to the heat exchange coil
- 1/2" BSP male connection to a simple ball valve fill for the reservoir
- 1/2" Straight stem overflow
- 3/4" BSP male drain point with cap

OPTIONS

- As a standalone coil heater
- Coil heater for udder wash guns in milking parlour
- Install with Dosatron for disinfectant water supply

Please note: The pressure water filter, one way valve, and Dosatron are optional extras and are not included in the base kit. See pricing below.

45 LITRE GRAVITY HEATER - MAX 50°C

- A simple 45 litre gravity discharge water heater
- Producing warm water at up to 50°C
- General purpose heater for washing teats, clusters, and hands in the milking parlour
- Inner vessel is moulded from polypropylene
- Insulated with polyurethane
- Stainless steel outer case
- Fitted with a stainless steel mounting bar for easy installation
- Insulated stainless steel lid with seal - easily removed for access
- 3Kw 1 phase stainless steel element with 3m cable
- Rod thermostat temperature control



OTHER SPECIFICATIONS:

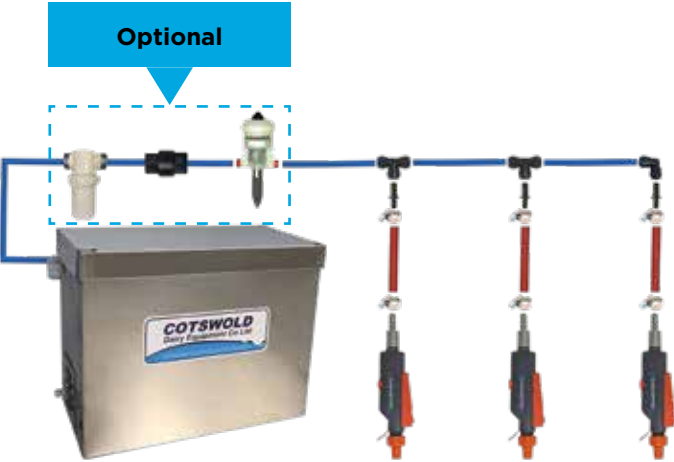
- 3/4" BSP female connection to a lever valve outlet
- 1/2" BSP male connection to a simple ball valve fill for the reservoir
- 1/2" Straight stem overflow
- 3/4" BSP male drain point with cap

OPTIONS

- As a standalone heater
- Simple gravity feed heater for udder wash guns in milking parlour
- Install with pump for increased pressure
- Install with Dosatron and pump for disinfectant water supply

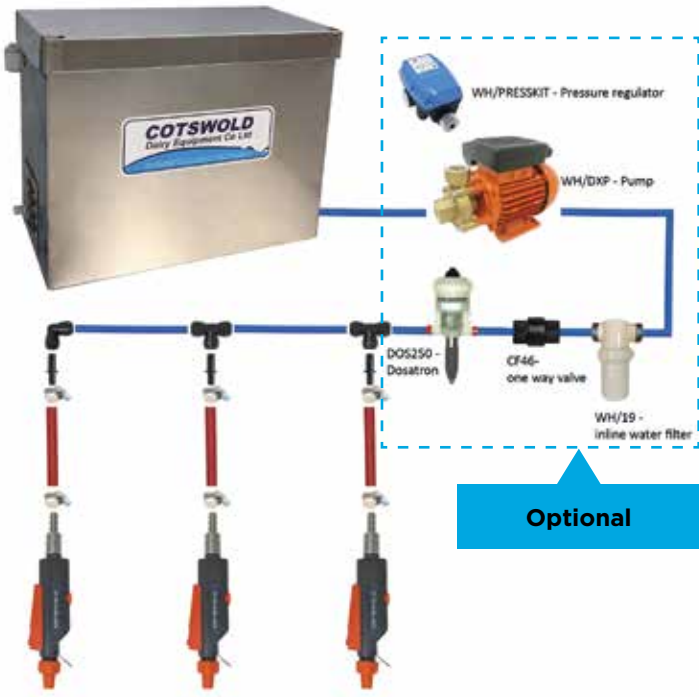
Please note: The pump, pressure regulator, water filter, one way valve, and Dosatron are optional extras and are not included in the base kit. See pricing below.

45 LITRE COIL HEATER UDDER WASH LAYOUT



45L COIL HEATER		
PART NO	DESCRIPTION	PRICE
HW/1N	Coil heater 45 Litre	£840.00
KITS		
HW/1N3	Coil washer 3 gun kit	£1,110.00
HW/1N4	Coil washer 4 gun kit	£1,140.00
HW/1N5	Coil washer 5 gun kit	£1,180.00
HW/1N6	Coil washer 6 gun kit	£1,230.00
HW/1N7	Coil washer 7 gun kit	£1,290.00
HW/1N8	Coil washer 8 gun kit	£1,330.00
HW/1N9	Coil washer 9 gun kit	£1,370.00
HW/1N10	Coil washer 10 gun kit	£1,430.00
HW/1N11	Coil washer 11 gun kit	£470.00
HW/1N12	Coil washer 12 gun kit	£1,530.00
OPTIONAL EXTRAS		
DOS250	Dosatron	£690.00
CF46	One way check valve	£54.00
WH/19	Inline water filter	£54.00

GRAVITY HEATER UDDER WASH LAYOUT



45L GRAVITY HEATER		
PART NO	DESCRIPTION	PRICE
HW/1NC	Gravity discharge heater 45 Litre	£740.00
KITS		
HW/1NC3	Gravity washer 3 gun kit	£960.00
HW/1NC4	Gravity washer 4 gun kit	£990.00
HW/1NC5	Gravity washer 5 gun kit	£1,030.00
HW/1NC6	Gravity washer 6 gun kit	£1,080.00
HW/1NC7	Gravity washer 7 gun kit	£1,140.00
HW/1NC8	Gravity washer 8 gun kit	£1,180.00
HW/1NC9	Gravity washer 9 gun kit	£1,220.00
HW/1NC10	Gravity washer 10 gun kit	£1,280.00
HW/1NC11	Gravity washer 11 gun kit	£1,320.00
HW/1NC12	Gravity washer 12 gun kit	£1,380.00
OPTIONAL EXTRAS		
DOS250	Dosatron	£690.00
WH/PRESSKIT	Pump pressure switch	£100.00
CF46	One way check valve	£54.00
WH/19	Inline water filter	£54.00
WH/DXP	DX Pump	£240.00

100 LITRES GRAVITY WATER HEATER - MAX 50°C

- A simple 100 litre gravity discharge general-purpose water heater
- Producing warm water at up to 50°C
- Ideal for:
 - Calf feeding
 - Stables and showering horses
 - Kennels and dog washing
 - General washing areas
- Inner vessel is moulded from polypropylene
- Insulated with polyurethane
- Stainless steel outer case
- Fitted with a stainless steel mounting bar for easy installation
- Insulated stainless steel lid - easily removed for inspection
- 3Kw 1 phase stainless steel element with 3m of cable
- Rod thermostat



100L GRAVITY HEATER ONLY		
PART NO	DESCRIPTION	PRICE
UW003-000	100L Tank Only	£960.00
OPTIONAL EXTRAS		
WH/PRESSKIT	Pump pressure switch	£100.00
WH/DXP	DX Pump	£240.00

OTHER SPECIFICATIONS:

- 3/4" BSP female connection to a lever valve outlet
- 1/2" BSP male connection to a simple ball valve fill for the reservoir
- 1/2" Straight stem overflow
- 3/4" BSP male drain point with cap

EXAMPLE LAYOUT



MISCELLANEOUS SPARE PARTS

PART NO.	DESCRIPTION	PRICE	
CS1	Trigger spray spray gun - 600ml container, upwards spraying, stainless steel nozzle	£8.64	
WS12	Paper roll dispenser - stainless steel	£84.00	
CS6	Pressure valve	£198.00	
TW8SP	Pickup tube with non return valve for robot parlours - 25L drums	£32.40	
TW8SPL	Pickup tube with non return valve for 200L and 1000L drums	£32.40	
HOSESUPP	GEA hose support	£22.00	
HOSE/Y	Hose support Y piece only	£10.00	
UW27	Wash gun	£16.00	
CS4	Aqua spray gun	£15.40	
HW4	Coil wash gun	£28.00	
UW39	Handi wash gun	£28.00	
HW1A	Copper coil replacement	£185.00	
HW4A	Udder washer gun nozzle	£8.40	

45 LITRE WATER HEATER - MAX 90°C

- GRAVITY FEED:**
- A 45 litre gravity discharge water heater
 - Stainless steel inner vessel
 - Producing hot water at up to 90°C
 - General purpose heater suitable for:
 - Calf feeding
 - Stables
 - Kennels
 - Stainless steel outer case
 - Insulated with 25mm polyurethane
 - Fitted with stainless steel mounting bars for easy installation
 - Insulated stainless steel lid with seal - easily removed for access
 - 3Kw 1 phase stainless steel element with 3m cable
 - Rod thermostat temperature control

- OTHER SPECIFICATIONS:**
- 1 1/2" BSP female connection to a lever valve outlet
 - 1 1/2" BSP male connection to a simple ball valve fill for the reservoir
 - 1 1/2" BSP male overflow
 - 1 1/2" BSP male drain point with cap
 - Dimensions: 420mm x 420 x 700mm



45L WATER HEATER		
PART NO	DESCRIPTION	PRICE
MB10	10 gallon stainless steel heater	£1160.00

BULK MILK TANK WASHERS

- SPECIFICATION**
- Floor standing
 - All stainless steel cabinet
 - Requires only a 13-amp power supply
 - Built in water tank
 - Will work with poor water pressure
 - A variety of wash settings to suit every installation
- SINGLE PUMP MODELS:**
- Supplied as standard with two spray heads
 - Will operate up to three spray heads
 - 68 Litre water tank
 - To wash tanks up to 2270 Litres (500 Gallons).

- TWIN PUMP MODELS:**
- Supplied as standard with four spray heads
 - Will operate up to six spray heads.
 - 100 Litre water vessel
 - Will wash tanks up to 4500 Litres (1000 Gallons)
- HOT WASH MODELS:**
- Max temperature 50 degrees C.
 - 3 KW stainless steel heating elements
 - Stainless steel spray heads recommended as an option
 - Recommended for DX tanks



- DISINFECTANT FINAL-RINSE MODELS:**
- Additional chemical entrainment solenoid
 - Sanitising chemical added to final rinse water
 - Mandatory in some areas
 - Recommended where borehole water is used

TANK WASHERS

PART NO.	DESCRIPTION	PRICE
TW/500A	Tank washer 500A (single pump)	£1,370.00
TW/500A/HY	Tank washer 500A+ Hypo	£1,450.00
TW/500A/HW	Tank washer 500A + Heater	£1,600.00
TW/500A/HW/HY	Tank washer 500A+ Heater + Hypo	£1,710.00
TW/1000A	Tank washer 1000A	£1,650.00
TW/1000A/HY	Tank washer hypo 1000A	£1,810.00
TW/1000A/HW	Tank washer twin pump heater 1000A	£1,980.00
TW/1000A/HW/HY	Tank washer twin pump heater hypo 1000A	£2,040.00



TANK WASHER PARTS

TW/8	Tank washer entrainment assembly (Red 817)	£36.00
TW/8A	Tank washer hypo entrainment assembly	£36.00
TW/9	Tank washer pump	£260.00
TW/11A	Carbon brush kit for TW9	£18.10
TW/17	Solenoid assembly complete tank washer	£112.00
TW/34	Control CMC1 micro tank washer	£305.00
TW/35	Control CMC2 micro control EOA	£342.00
TW/56	Tank washer spray head plastic - standard	£36.00
TW/57	Tank washer spray head plastic - long	£44.00
TW/64	Tank washer spray head stainless steel	£78.00
TW/3	Tank washer NRV assembly for 500A	£35.00
TW/3B	Tank washer NRV assembly 1000A	£35.00
TW/4	Tank washer bulkhead assembly 500A	£35.00
TW/4A	Tank washer bulkhead assembly 1000A	£60.40
TW/10	Tank washer pump seal kit	£38.80
TW/26A	Push button switch and shroud	£22.00








HIGH PRESSURE SOLENOIDS			
PART NO.	DESCRIPTION	PRICE	
SVC075	Solenoid 3/4" 230v high pressure 0.3-10 bar CEME	£120.00	
SVC075C	Solenoid coil only 230 volt 3/4" CEME for SVC075	£50.00	
SVC075D	Solenoid diaphragm only 3/4" CEME for SVC075	£30.00	
SVC100	Solenoid 1" 230V complete high pressure (0.3-10 bar) CEME	£120.00	
SVC100C	Solenoid coil only 230v 1" CEME for SVC100	£50.00	
SVC100D	Solenoid diaphragm only 1" CEME for SVC100	£30.00	
LOW PRESSURE / HOT WATER SOLENOIDS			
SVA100	Solenoid 1" 230v complete low pressure (0-10 bar) Asco	£128.00	
SVA100C	Solenoid coil only 230v Asco SVA100 & SVA150	£32.00	
SVA100D	Solenoid diaphragm & plunger kit 1" Asco for SVA100	£90.00	
SVA150	Solenoid 1 1/2" 230v complete low pressure (0-10bar) Asco	£260.00	
SVA150C	Solenoid coil only 230v Asco SVA100 & SVA150	£32.00	
SVA150D	Solenoid diaphragm & plunger kit 1.5" Asco for SVA150	£110.00	

AUTODOSER

- All stainless steel construction
 - 1, 2, and 3 pump versions
 - Chemical drums need not be kept in the dairy
- Suitable for all liquid chemicals
 - Accurate up to 0.5L per minute (small pump) and 2.5L per minute (large pump)
 - Easily set timers



PART NO.	DESCRIPTION	PRICE	
CAD/1	Autodoser, single 2.5L/minute pump, 24V	£560.00	
CAD/2	Autodoser, twin 2.5L/minute pumps, 24V	£820.00	
CAD/3	Autodoser, twin 2.5L/minute pumps + 1 500ml/minute pump, 24V	£1080.00	
CAD/11A	Autodoser peristaltic pump 24V, 2.5L/minute	£260.00	
CAD/11	Autodoser peristaltic pump 240V, 500ml/minute	£215.00	
CAD/13	Autodoser pump housing with roller assembly for CAD/11	£72.00	
CAD/12A	Autodoser pump pipe replacement for CAD/11	£27.00	
CAD/12	Autodoser pump pipe replacement for CAD/11A	£36.00	
CAD/21	Autodoser timer control module	£40.00	

COTSWOLD HANDWASH STATION

- Stainless steel handwash station
- Instant heat water heater
- Hands free activation
- Auto shut-off
- Soap dispenser
- Large bowl
- Easy to install
- Soap included





Perfect for dairy, poultry, and other workplaces

OTHER SPECIFICATIONS:

- Cold water connection: 15mm push-fit
- 3Kw 230v (13 amp single phase supply)
- Waste: 1 1/2" BSP
- Size:
 - Width: 20.5" 520mm
 - Height: 30.0" 760mm
 - Depth: 18.5" 470mm
- Maximum water pressure: 87psi / 6 bar
- Minimum water pressure: 14.5psi / 1 bar



SPARE PARTS

PART NO.	DESCRIPTION	PRICE	
WS1	Wash station complete (includes soap cartridge and waste fittings)	£520.00	
WS2	Auto sensing water heater with auto shutoff	£162.00	
WS3	Soap dispenser unit	£30.00	
WS4	Soap refill	£20.00	
WS5	Soap refill pack of 6	£120.00	
WS10	Pressure reducing valve with 15mm adaptors	£40.00	

COTSWOLD

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