

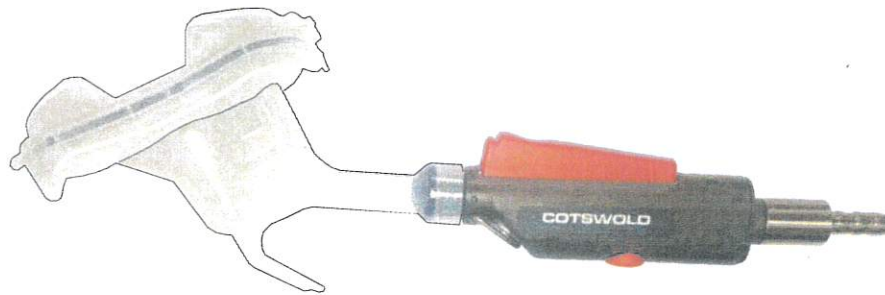
CID LINES

PURE DIPPER

0.9.553.01.000

Teat-Dip System

INSTALLATION INSTRUCTIONS
USER MAINTENANCE & SERVICING MANUAL
SPARE PARTS LIST



PURE DIPPER IS AVAILABLE ONLY FROM:

CID LINES N.V.

Waterpoortstraat 2 - 8900 Ieper - Belgium

T BE +32 (0)57 21 78 77

T (UK) 07801 811766

F +32 (0)57 21 78 79

info@cidlines.com

www.cidlines.com

Pure Dipper spares are available from Cotswold Dairy Equipment

CE

MADE IN ENGLAND

DIPPING GUN SYSTEM - IN THE BOX ...
CONTENTS IN BOX

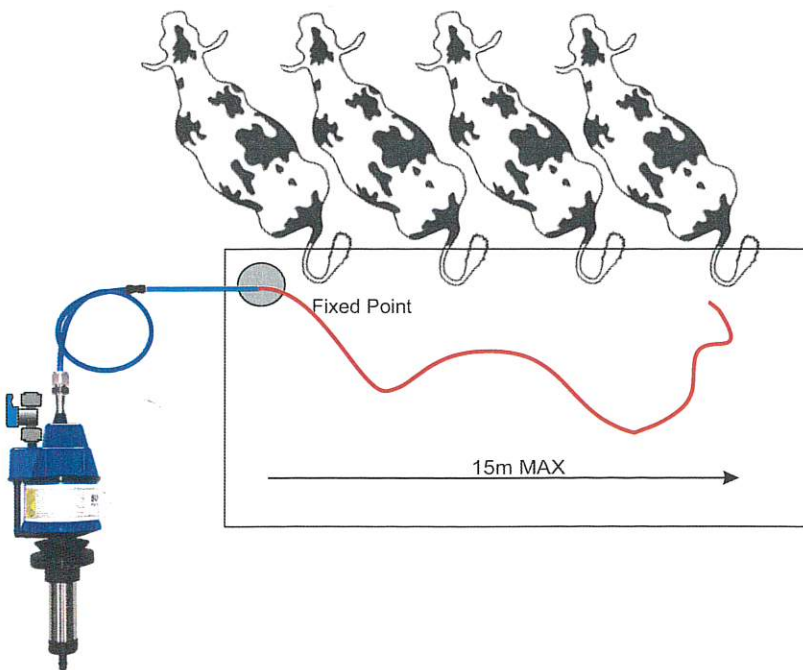
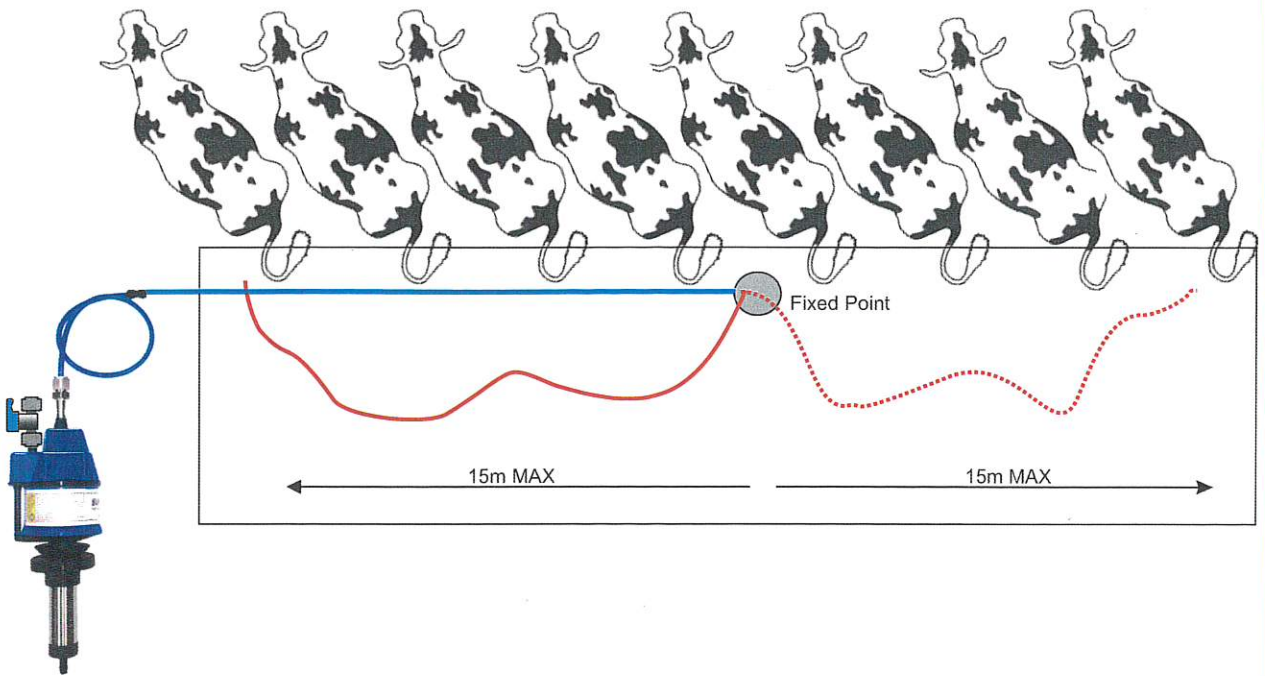
CONTENTS IN BOX	PART NUM	
<p>Supaspray System</p> <p>Supa Pump & Top Connecting Tube</p> <p>Chemical pickup tubing and foot-filter,</p> <p>Wall mounting bracket, with Fixing screws and wall plugs.</p>	<p>SUPA12</p> <p>SUP11</p> <p>VS501</p>	<p>x 1</p>  <p>x 1</p>
<p>Pressure Cylinder kit (a) With mounting bracket (b) Tee 12 x 12 x 12mm Push Fit (c)</p>	<p>MJ12/CYL CF70 350-318F</p>	<p>x 1</p>  <p>x 2</p> <p>x 1</p>
<p>Vacuum Connector (Grommet Sleeve) 14.2mm</p>	<p>390-302</p>	 <p>x 1</p>
<p>Elbow 12mm Push Fit x 12mm Stem</p>	<p>350-319F</p>	 <p>x 3</p>
<p>Connector 12 x 12 push fit</p>	<p>350-317F</p>	 <p>x 2</p>

DIPPING GUN SYSTEM - IN THE BOX...

CONTENTS IN BOX	PART NUM		
Dipping Gun CID: 0.9.553.01.000			x 1
Dipping Gun <i>Head</i> Complete including discs and seal			x 1
Drag Line 14mm x 15 metres Red	FO21R15		x 1
Tubing 12mm x 40 metres Ldpe Blue	351-109		x 1
Tee 12 x 12 x 12mm Push Fit	350-318F		x 1
Tap 12mm Push Fit	350-315F		x 2
Connector 8mm x 12mm Push Fit	350-120F		x 1
Hose Clips 9 - 12mm all stainless	CF53		x 4
Gun Support Bracket	FOBRKT		x 2

RECOMMENDED LAYOUTS

CID LINES
PURE DIPPER

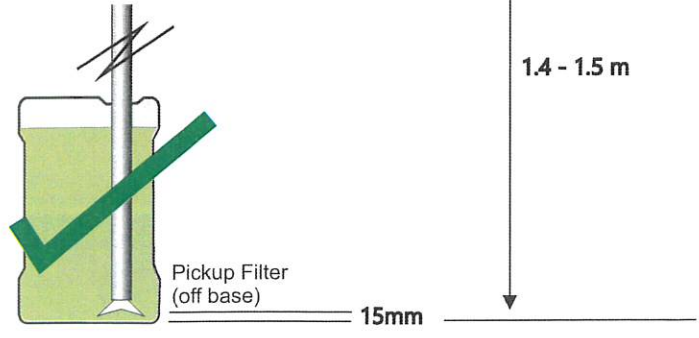
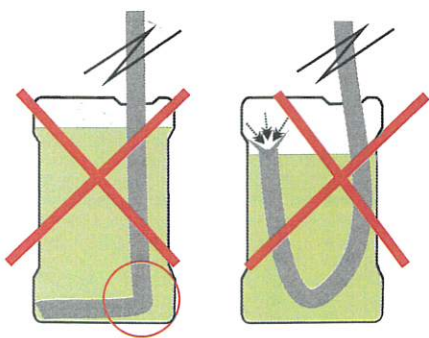


INSTALLING SUPASPRAY PUMP

CID LINES
PURE DIPPER



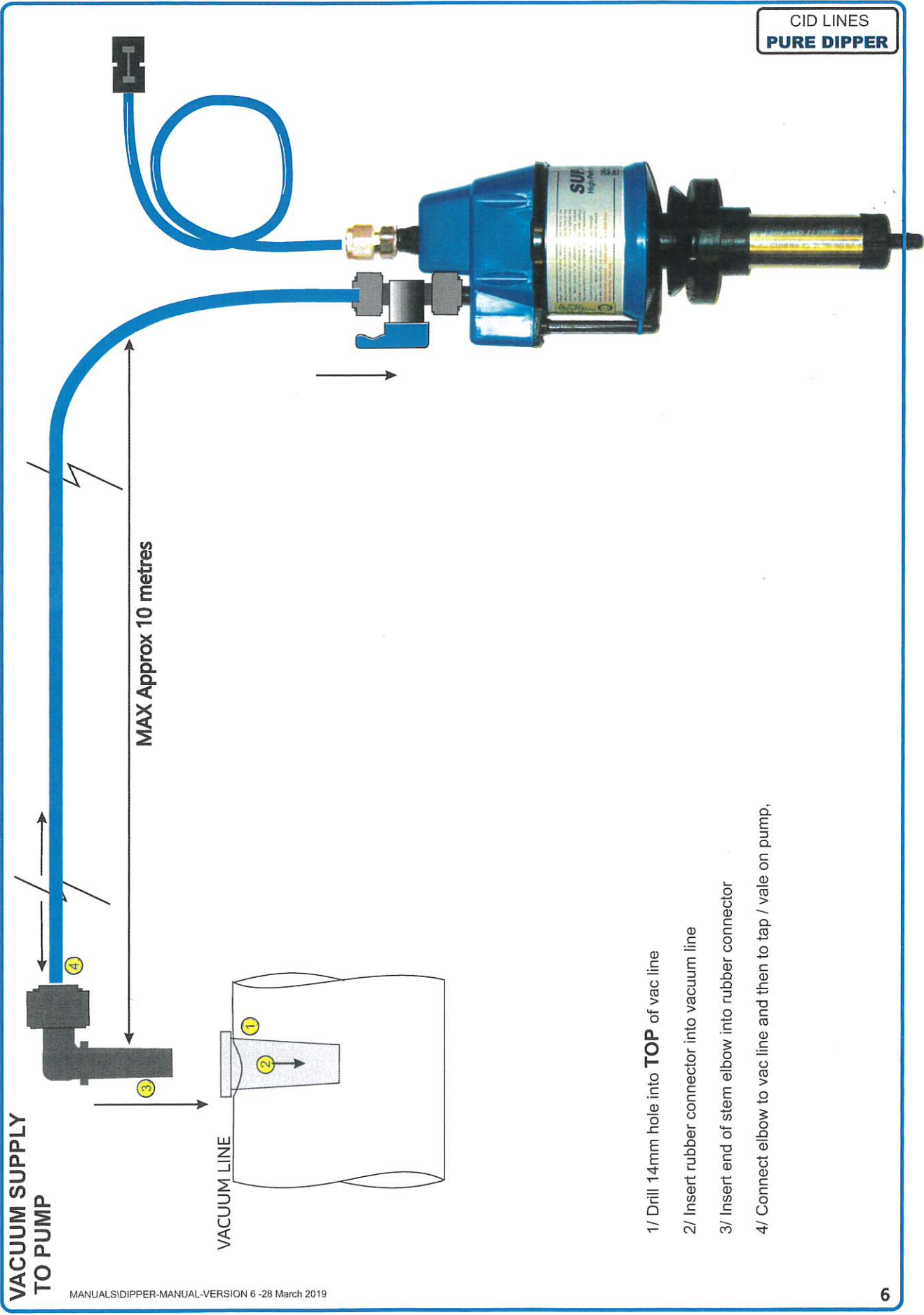
SEE SUPASPRAY MANUAL
FOR ADDITIONAL
INFORMATION



Pickup Filter
(off base)

15mm

1.4 - 1.5 m



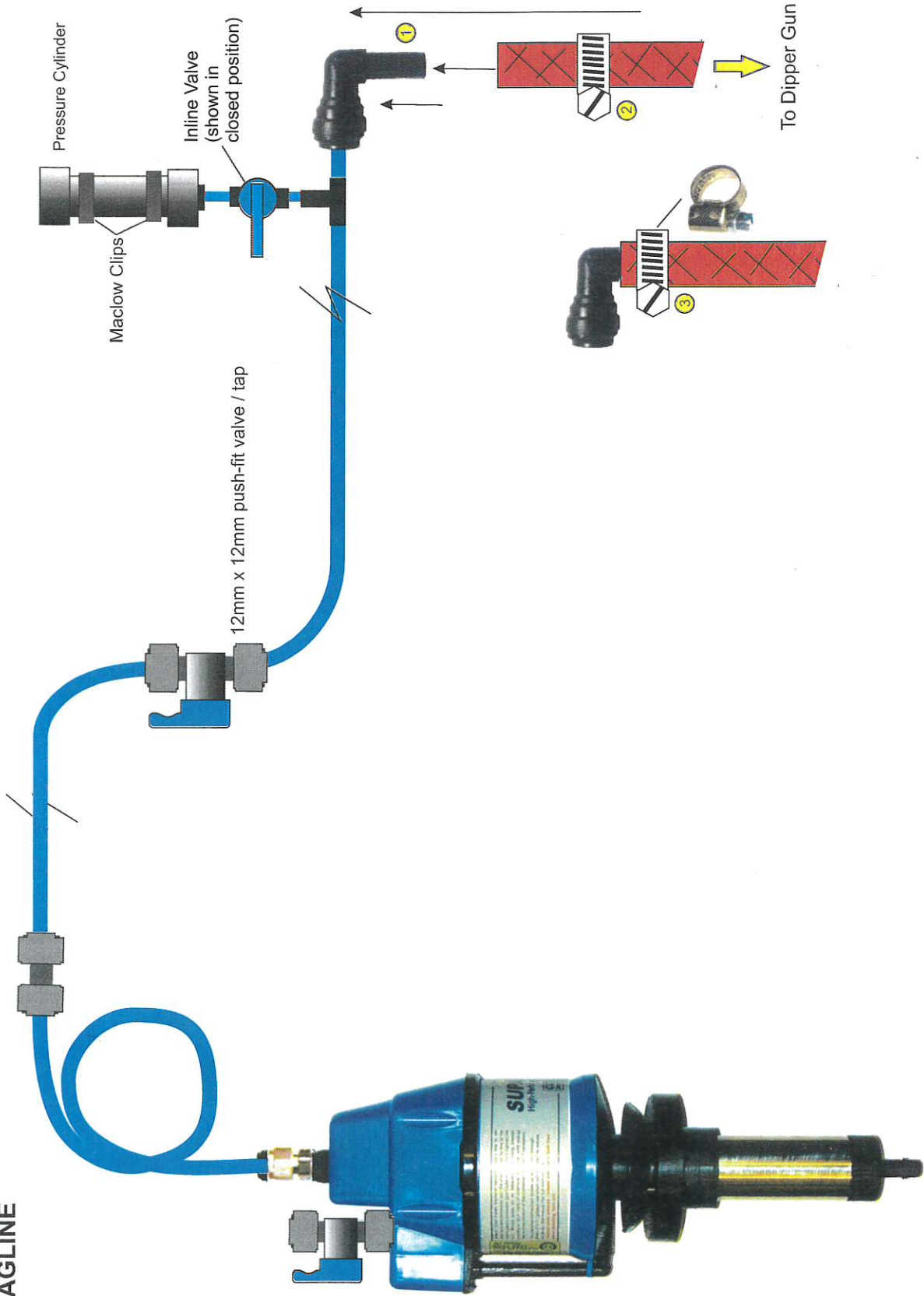
**VACUUM SUPPLY
 TO PUMP**

MAX Approx 10 metres

VACUUM LINE

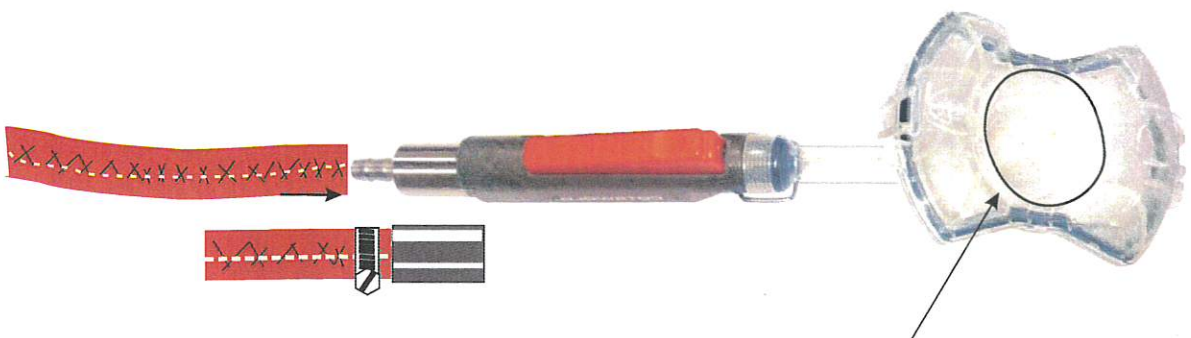
- 1/ Drill 14mm hole into **TOP** of vac line
- 2/ Insert rubber connector into vacuum line
- 3/ Insert end of stem elbow into rubber connector
- 4/ Connect elbow to vac line and then to tap / vale on pump.

SUPPLY PUMP TO DRAGLINE



DRAGLINE TO GUN

CID LINES
PURE DIPPER

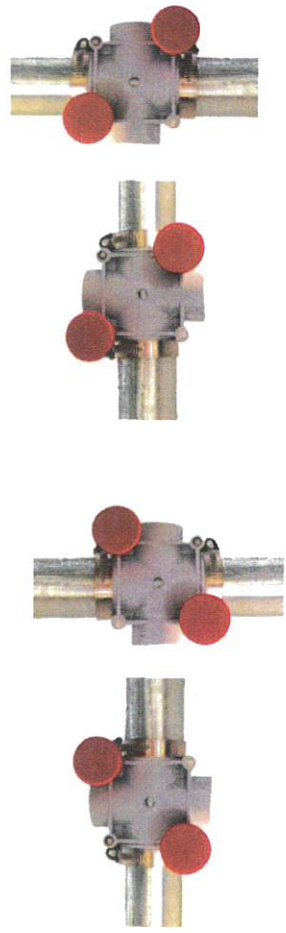


MAXIMUM FILL

For best operation, fill the dip cup to the "max fill" line which is moulded into the cup. This should be enough chemical to dip three or four cows.

DO NOT OVERFILL

USING THE MULTI-ANGLE FOAMING GUN HANGER



To switch from left-hand to right-hand hanging, unscrew the two red pieces and move them to the opposite corners.

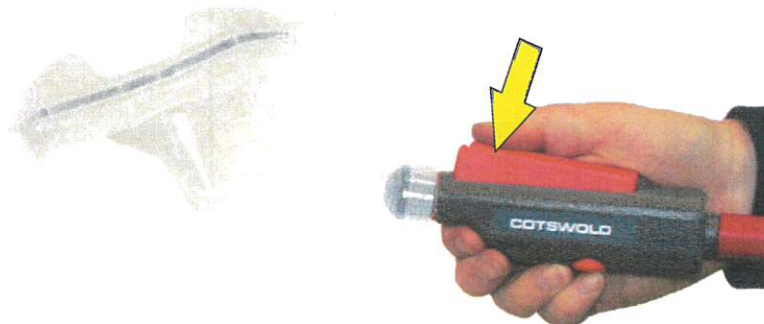
Bracket will fit to horizontal or vertical pipework

The CID Lines Pure Dipper is a simple system for effective teat-dipping in the milking parlour.

The Dipper will only work satisfactorily with products with the right specification and performance

Starting the system for the first time:

- 1/ Make sure all connections are tight, the correct mix of chemical in the chemical drum and the dipper gun is shut off – switch on the vacuum to the teat spray pump.
- 2/ The Supa pump should pump rapidly for a few seconds, then stop as the pressure builds.
- 3/ If the pump fails to stop completely, you have a leak somewhere.
- 4/ When the pump is stopped and the system stable, take a clean container to the dip gun – screw off the dipping head from the gun, press the trigger and pump the chemical into the container. When you are sure all of the air is out of the system, re-attach the dipping cup
- 5/ Press the trigger until a the cup fills to the indicator line. Allow time for the dip cup to fill.
- 6/ Begin dipping!



Operating instructions for best Performance:

- 1.) Only fill to the indicator line, this provides enough chemical to dip three or four cows.
- 2.) Ensure you get teats down to the bottom of the dip cup.
- 4.) Try to make sure the dip cup is as empty as possible before hanging it up between rows of cows.
- 5.) When you have sufficient chemical in the cup, release the trigger fully and quickly.
Do not hold the trigger half open.
- 6.) **DO NOT PRESS THE TRIGGER WHILE DIPPING A TEAT!**
- 7.) **DO NOT OVERFILL THE CUP!**


KITS TO BE ORDERED FROM CID LINES

CID LINES
PURE DIPPER


Part No	DESCRIPTION	
0.9.399.01.000	Foamer kit	
0.9.553.01.000	Dipper Kit	
0.9.554.01.000	Sprayer kit	

PARTS TO BE ORDERED FROM CID LINES




Pumps

0.9.465.01.000	SupaSpray pump kit 12mm	
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Gun Bodies

0.9.456.01.000	Gun body with Stainless Steel fitting	
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Gun Heads

0.9.457.01.000	Foaming head complete	
0.9.459.01.000	Dipping head complete	
0.9.458.01.000	Flushing gun head only complete	

Service Parts

0.9.466.01.000	Supaspray pump service kit	
0.9.467.01.000	Supaspray gun service kit	

PARTS TO BE ORDERED FROM COTSWOLD DAIRY EQUIPMENT:

CID LINES
PURE DIPPER

Part No
Pumps

Description

Supa 12

SupaSpray pump kit 12mm



Foamer Parts

FO26SS

Foaming Gun complete stainless steel fitting



FO26

Foaming Gun complete push fit fitting



FO27

Foaming head complete



FO27A3

Foaming Gauze



FO27B6

Red Disc



FO27B7

Brown Disc



FO27B8

Foam Lance Washer



Dipper Parts

DP26

Dipping gun complete



DP27

Dipping head complete



DP27C

Dipping head Gasket and Washer kit



PARTS TO BE ORDERED FROM COTSWOLD DAIRY EQUIPMENT:

CID LINES
PURE DIPPER

Flushing Parts

VS/26BF Flushing gun complete push fit



V26BFSS Flushing gun complete stainless steel fitting



VS27BF Flushing gun head only complete



VS/27C Supaspray gun nozzle only stainless steel



VS/28B Supaspray gun lance flat washer 3mm



Gun Bodies

VS/26B Gun body with Push fitting



VS26BSS Gun body with Stainless Steel fitting



Gun Connectors

CID 0.9.456.01.000 VS/RED Gun Connector plastic red



VS7PF Gun Connector 8mm push fit x 1/8" bsp male



VS/7ST Gun connector 1/4" BSP stainless steel



PARTS TO BE ORDERED FROM COTSWOLD DAIRY EQUIPMENT

CID LINES
PURE DIPPER

Straight Connectors

VS/7APF Connector 8mm push fit x 8mm push fit

350-317F Connector 12mm push fit x 12mm push fit



350-120F Connector 8mm push fit x 12mm push fit

VS/29SC Connector 8mm push fit x 10mm stem



VS1210B Connector 12mm stem x 10mm stem barbed



Elbows

VS/6PF Elbow 8mm pushfit x 8mm Pushfit



350-130F Elbow 12mm push fit x 12mm Push fit

350-319F Elbow 12mm push fit x 12mm stem



Tees

VS/5PF Tee 8mm x 8mm x 8mm pushfit



350-318F Tee 12mm x 12mm x 12mm push fit

Plugs

VS/5C Blanking Plug 8mm Male push fit






VS/13 Blanking plug 12mm male push fit

PARTS TO BE ORDERED FROM COTSWOLD DAIRY EQUIPMENT:

CID LINES
PURE DIPPER

Taps / Valves

VS/65B	Tap 8mm push fit	
350-315F	Tap 12mm push fit	
VS/29V	Tap 12mm barbed inline Valve	
VS/30	Tap 1/2" BSP x 10mm Barb	

Hose/Pipe

FO21R15	Drag line 14mm x 15m Red	
VS/21	Tubing 8mm x 20m nylon blue	
VS/21B	Tubing 8mm x 30m nylon blue	
FO129	Tubing 12mm x 10m Lpde Blue	
351-109	Tubing 12mm x 40m lpde blue	

PARTS TO BE ORDERED FROM COTSWOLD DAIRY EQUIPMENT:

Hose Clips

CF53 Hose clip 9 - 12mm all stainless



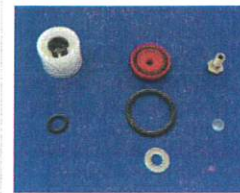
CF63 Hose Clip 35-50mm All Stainless



CF64 Hose Clip 68-85mm All Stainless

Service Parts

CID 0.9.466.01.000 SUP22 Supaspray pump service kit



VS32 Supaspray gun service kit

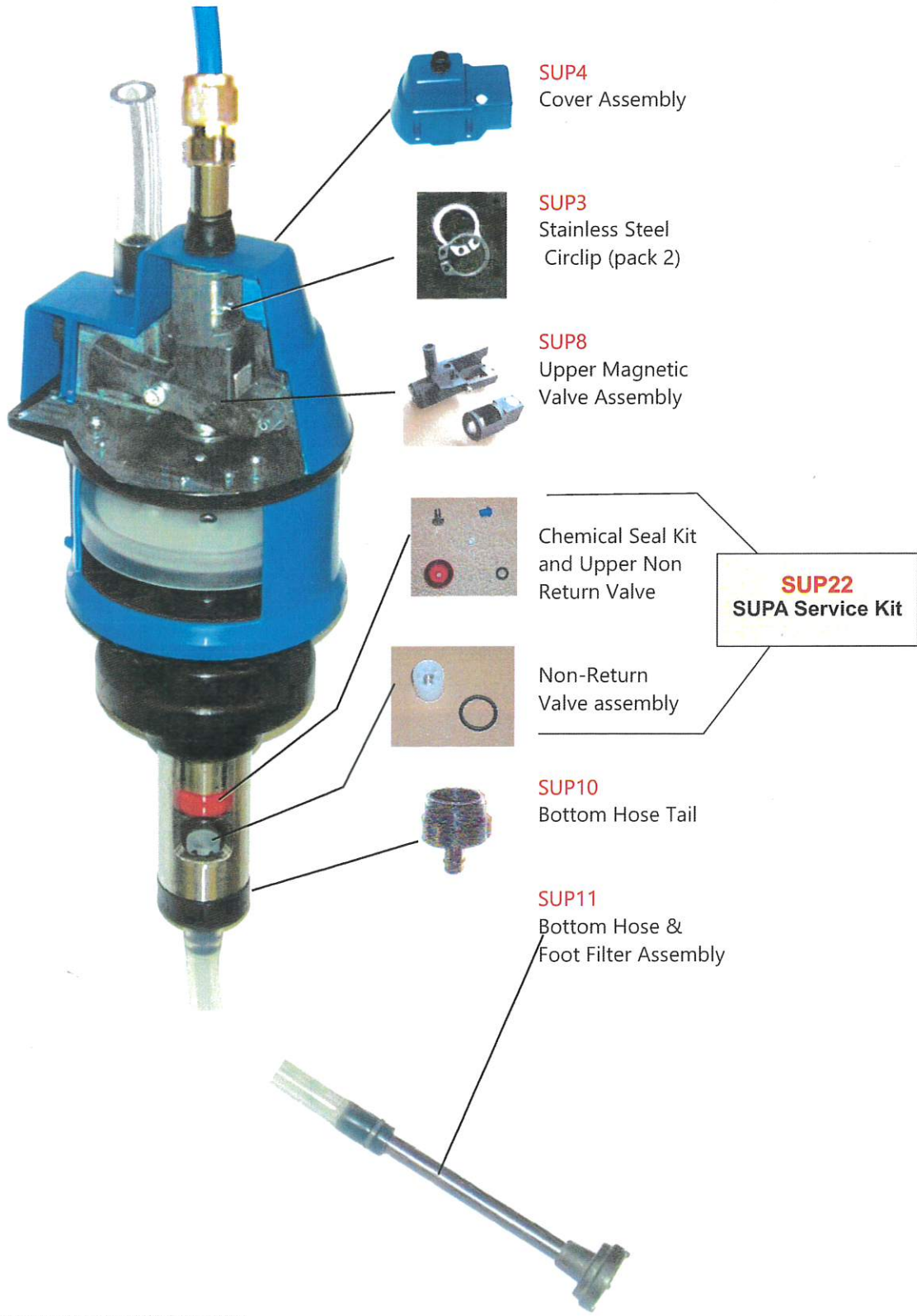


VS37 Supaspray gun service spindles valves x 6



SUPASPRAY PUMP REPLACEMENT PARTS

CID LINES
PURE DIPPER



SUP4
Cover Assembly

SUP3
Stainless Steel
Circlip (pack 2)

SUP8
Upper Magnetic
Valve Assembly

Chemical Seal Kit
and Upper Non
Return Valve

Non-Return
Valve assembly

SUP10
Bottom Hose Tail

SUP11
Bottom Hose &
Foot Filter Assembly

SUP22
SUPA Service Kit

SUPASPRAY FAST FAULT FINDER	
Before you start, ensure that there is chemical in the drum!	
PROBLEM	SOLUTION
The Pump Stops Moving	
1/ Vacuum Supply may be blocked or restricted	Clear the blockage or restriction, ensure correct diameter vacuum supply tube is used
2/ The Magnetic Switch may be dirty or has failed	Clean the magnets or replace the mechanism (Sup 8). Always use a new circlip (Sup 3).
3/ The Circlip may be broken	Replace Circlip (Sup 3)
4/ The Vacuum Piston may be sticking	Remove the "L" Tube at the side of the body, and spray lubricant (eg Vacuum Oil) into the vacuum cylinder. Then work the lubricant into the system by manually operating the pump a couple of times.
Pump is Moving but Not Spraying	
1/ No chemical in the drum	Check the drum and if necessary re-fill it.
2/ Filters Blocked	Clean the filters on the suck-up tube (top & bottom).
3/ Bottom non-return-valve faulty	Unscrew the hose-tail, clean or replace the ball valve. (Sup22).
4/ Red piston seal may be damaged or worn	Replace the Red Piston Seal (Sup 22)
5/ Suck-Up Tube may be restricted or blocked	Clear the tube or replace it (Sup 11). The suck-up tube may be kinked inside the drum.
6/ Upper non-return-valve may be dirty	Unscrew the stainless screw from the end of the shaft – wash out or replace (Sup 2 2). Don't lose the little ball!
7/ Spray Guns may be blocked	Strip and clean
Guns Spitting and Foaming	
1/ There may be air in the system	Bleed the system as described.
2/ The Suck-up tube may be restricted	Clear or replace the Suck-Up tube (Sup 11). Ensure the Suck-Up tube is not kinked or restricted in the chemical drum.
3/ Red Piston Seal may be damaged or worn	Service. (Sup 22).
4/ Upper Non-Return-Valve may be dirty	Unscrew stainless piston from the end of the central shaft. Wash out or replace (Sup 22) Don't lose the ball !
5/ May be a hole in Chemical Lift Tube	Replace lift-tube assembly (Sup 11).

PARTS and SUPPORT

To obtain Cotswold parts
or for technical support,
contact Cotswold...

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(Steve) +44 (0) 7725 24138

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