

# Silicone Products for Dairy Farms



Hygienic



Flexible



Strong

Call +44 (0)1425 610700 or visit [www.silclear.com](http://www.silclear.com)

# About Silclear

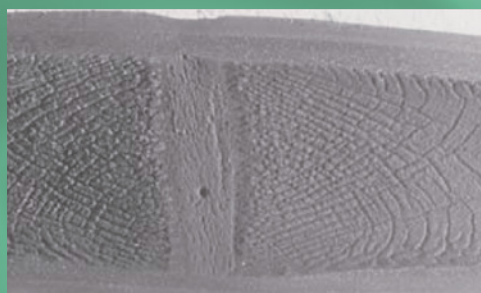
At Silclear we make silicone tubing and fittings primarily for the dairy industry. Over the years we have developed an extensive product range, giving the widest choice of silicone dairy components available anywhere in the world today. At our factory in Hampshire, UK, we design and manufacture innovative silicone solutions made from extrusions, mouldings and fabrications, and supply them to over 60 countries around the world.

Silclear products are suitable for use with all leading makes of milking equipment, and are used by many in their new equipment.

Which tubing would you prefer in your dairy parlour?



Silclear tubing  
after over 54  
months use



Rubber tubing  
after only 12  
months use



**Hygienic**



**Flexible**



**Strong**

## Hygienic

Silclear silicone does not crack, erode or perish, or become porous, and does not support bacterial growth. Silclear silicone is a totally different material to conventional rubber. It is not degraded by light, air, dairy cleaning chemicals or milk-stone remover. Silclear silicone meets all EC and international hygiene standards. The smooth internal and external surfaces are easy to clean and sterilise, helping to improve your Bactoscans.

## Flexible

Silclear silicone is flexible, easy to install and does not become stiff or brittle like conventional rubber, even below freezing to -70°C! It is not deteriorated by UV light, ozone or temperatures up to 170°C.

## Strong

Silclear silicone is specially formulated to achieve the optimum combination of material properties for life in a dairy parlour. We use our 30 years of experience to formulate our silicone with the optimum balance of tensile strength, hardness, elongation and tear strength for the particular application. This means you can be confident that Silclear silicone will last at least 4 times as long as conventional rubber.

## Quality - Not all silicones are the same...

Silclear only use high quality raw materials - we blend and process specially formulated food grade silicones optimised for maximum strength, tear resistance and optical clarity. Different formulations are used for different Silclear products to ensure that each product has the best possible material properties for the job. Careful control of all manufacturing parameters and good production practises ensure that all Silclear products are of the highest quality. Silclear is accredited to quality standard ISO 9001:2015 and conforms to, or exceeds, the requirements of all industry standards where relevant, such as;

- FDA 177.2600
- BfR XV Part A:Silicone
- 3-A 18-03
- RAL Knife & Fork Standard
- 1935/2004 EC
- EP 7.0 3.19



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# Our products

## SILCLEAR TUBING CODE

## LENGTH

## PRODUCT DESCRIPTION

We offer two ranges of silicone tubing both manufactured here in the UK. Silclear tubing uses our top of the range raw materials which means it is stiffer and has a higher tear strength and so lasts longer.



### Milk Tube

S14	20m	14mm x 24mm Milk Tube/wash line
S16	20m	16mm x 26mm Milk Tube
SB14	20m	Blue 14mm x 24mm Milk Tube
SB16	20m	Blue 16mm x 26mm Milk Tube



### Pulsation Tube

S6	20m	6mm x 12mm Long & short pulse tube
S7	20m	7mm x 15mm Long & short pulse tube
S8	20m	8mm x 16mm Long pulse/short milk
S9	20m	9mm x 17mm Long pulse/short milk
S7T	20m	7mm x 14mm TWIN/double pulse line
S8T	20m	8mm x 15mm TWIN/double pulse line
S9T	20m	9mm x 16mm TWIN/double pulse line
S10	20m	10mm x 18mm Long pulse/short milk
SB7T	20m	Blue 7mm x 14mm TWIN Pulsation Tube
SB7	20m	Blue 7mm x 15mm Pulsation Tube
SB9	20m	Blue 9mm x 17mm Pulsation Tube



### Short Milk/Pulse Tubes - Special Heavy Duty Formulation

CA7	12 pack	Short Pulse Tubes 7mm ID x 224mm
CF7	12 pack	Short Pulse Tubes 7mm ID x 267mm
CF9	12 pack	Short Milk Tubes 9mm ID x 150mm
CF9/18	12 pack	Short Milk Tubes 9mm ID x 180mm
CF9/23	12 pack	Short Milk Tubes 9mm ID x 230mm
CW10	12 pack	Short Milk Tubes 10mm ID x 160mm
LLS7	12 pack	Short Pulse Tubes 7mm ID x 250mm - for Silclear Liner & Shell

### Sample Tube

S5	25m	5mm ID Sample Tubing
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### Transfer Tube

S19	20m	19mm x 29mm Transfer Tube (generally used on servo valves)
S19H	10m	19mm x 29mm Transfer Tube (generally used on servo valves)
S19F	10m	19mm x 31.8 mm Transfer Tube (generally used on clamp valves)
S22	20m	22mm x 34mm Transfer Tube (clamp and servo valves)
S22H	10m	22mm x 34mm Transfer Tube (clamp and servo valves)
SB19	20m	Blue 19mm x 29mm Transfer Tube
SB19H	10m	Blue 19mm x 29mm Transfer Tube
SB22	20m	Blue 22mm x 34mm Transfer Tube
SB22H	10m	Blue 22mm x 34mm Transfer Tube



### Pipeline Tube

S28B	1-10m	28mm x 38mm Generally bulk tank side of pump (fits onto 32mm bend)
S28V	1-10m	28mm x 42mm Generally vacuum side of pump (fits onto 32mm bend)
S28C	1m	32 > 25mm Reducing milk pump tube (fits OD's 32mm & 25mm)
S28C/19	1m	32 > 25mm Reducing milk pump tube (fits OD's 32mm & 22mm)
S38	1 - 5m	38mm x 52mm Pipeline (fits 40mm OD)
S38C	1m	40mm > 32mm Reducing milk pump tube (fits 40/32mm)
S47	1 - 5m	47mm x 61mm Pipeline (fits 50mm OD)

Milk-Sil dairy tubing is also a high quality silicone, lasting at least 4 times as long as rubber. It has been designed differently to the 'top of the range' Silclear tubing to give reduced production costs, thereby allowing us to pass these savings on to our customers.



#### Milk-Sil Milk Tube

M14	20m	14mm x 24mm Milk Tube/wash line
M16	20m	16mm x 26mm Milk Tube

#### Milk-Sil Pulsation Tube

M7	20m	7mm x 15mm Long & short pulse tube
M8	20m	8mm x 16mm Long pulse/short milk
M9	20m	9mm x 17mm Long pulse/short milk
M7T	20m	7mm x 14mm TWIN/double pulse line
M8T	20m	8mm x 15mm TWIN/double pulse line

#### Milk-Sil Transfer Tube

M19	20m	19mm x 29mm Transfer Tube (generally used on servo valves)
M19H	10m	19mm x 29mm Transfer Tube (generally used on servo valves)



#### Milk-Sil Blue Tubing

MB14	20m	14mm x 24mm Milk Tube/wash line
MB16	20m	16mm x 26mm Milk Tube
MB7	20m	7mm x 15mm Long & Short pulse line
MB8	20m	8mm x 16mm Long pulse/short milk
MB9	20m	9mm x 17mm Long pulse/short milk
MB7T	20m	7mm x 14mm TWIN/double pulse line
MB8T	20m	19mm x 29mm TWIN/double pulse line
MB19	20m	19mm x 29mm Transfer Tube (generally used on servo valves)
MB19H	10m	19mm x 29mm Transfer Tube (generally used on servo valves)



#### Milk-Sil Translucent Green Tubing

MTG14	20m	14mm x 24mm Milk Tube/wash line
MTG16	20m	16mm x 26mm Milk Tube

## TEAT LINERS

## CODE

## PRODUCT DESCRIPTION



### Cow Teat Liners and Shells (for more information see separate Silclear brochure **Silicone Liners - 10,000 milkings**)

L1	Silclear Liner
LS1	Clear Shell for Silclear Liner
LLS4	Set of 4 Silclear Liners & Shells
LLS4R	Set of 4 replacement Liners (no shells)
LLS1	Single Silclear Liner & Shell



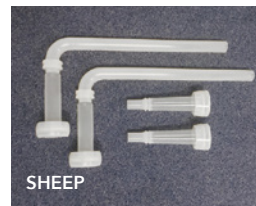
### Accessories for Silclear Liners and Shells

GRIPPA	Liner accessory: grip grommet for thin nipped claws
LLSLV	Liner sleeve: impact damage protection sleeve
RJ/02	Internal rose jetter to suit Silclear Liner
RJB/01	Jetter wash branch



### Goat Liners and Shells

LS2GL	Set of 2 Goat Liners ('L' shape) & Shells
LS2GS	Single Silclear Goat Liner & Shell



### Sheep Liners and Shells

LS2SL	Set of 2 Sheep Liners ('L' shape) & Shells
LS2SS	Single Silclear Sheep Liner & Shell

## ACCESSORIES

## CODE

## PRODUCT DESCRIPTION



### Dairy Cluster Assembly Rings

A1	Dairy Cluster Assembly Rings - 10 pack
AA1	Dairy Cluster Assembly Rings - 100 pack



### Support Springs

A5	Support Spring for 14mm ID tube (generally used on the jar/pipeline end)
A6	Support Spring for 16mm ID tube (generally used on the jar/pipeline end)



### Sleeving

SS14	Sleeving for 14mm ID milk tube (generally used on the claw end)
SS16	Sleeving for 16mm ID milk tube (generally used on the claw end)

### Agitator Splash Seals

AGSS(32)	Agitator Splash Seal - to suit 32mm rod
AGSS(25)	Agitator Splash Seal - to suit 25mm rod
AGSS(19)	Agitator Splash Seal - to suit 19mm rod



### Polysulphone Reducers

A2	Polysulphone Reducer 32/19mm
A2A	Polysulphone Reducer 32/22mm
A3	Polysulphone Reducer 32/16mm
A4	Polysulphone Reducer 32/14mm

TEES	CODE	PRODUCT DESCRIPTION
	<b>32mm Tees</b>	
	T1	Equal Tee 32mm
	T1A	Equal Tee 32mm - polysulphone nipple for 14mm tube
	T1B	Equal Tee 32mm - polysulphone nipple for 16mm tube
	T1C	Equal Tee 32mm - polysulphone nipple for 19mm tube
	T1D	Equal Tee 32mm - polysulphone nipple for 22mm tube
	T1E	Equal Tee 32mm - reduced branch for 22mm tube s/s
	T1EA	Equal Tee 32mm - reduced end for 22mm tube
	T1F	Equal Tee 32mm - with reduced branch for 25mm s/s
	T1G	Equal Tee 32mm - reduced branch for 14mm s/s
	T1H	Equal Tee 32mm - reduced branch for 19mm s/s
	T1J	32mm Tee - branch reduced for 16mm s/s
	T1JA	32mm Tee - 1 reduced end to 25mm, 14mm nipple
	T1K	32mm Tee - 2 reduced ends to 25mm, 14mm nipple
	T1L	Sample Tee assembly for Alfa sampling system
	<b>32mm Swept Tees</b>	
	T8	Swept Tee 32mm
	T8A	32mm Swept Tee - with polysulphone nipple for 14mm tube
	T8B	32mm Swept Tee - with polysulphone nipple for 16mm tube
	T8C	32mm Swept Tee - with polysulphone nipple for 19mm tube
	T8D	32mm Swept Tee - with polysulphone nipple for 22mm tube
	T8E	32mm Swept Tee - with reduced branch for 22mm s/s
	T8F	32mm Swept Tee - with reduced branch for 25mm s/s
	T8G	32mm Swept Tee - with reduced branch for 19mm s/s
	T8H	32mm Swept Tee - with reduced branch for 16mm s/s
	T8SAM	32mm Swept Tee c/w sample tap hole
	<b>32mm Long Tees</b>	
	T2	32mm Long Tee
	T2A	32mm Long Tee - with polysulphone nipple for 14mm tube
	T2B	32mm Long Tee - with polysulphone nipple for 16mm tube
	T2C	32mm Long Tee - with polysulphone nipple for 19mm tube
	T2D	32mm Long Tee - with polysulphone nipple for 22mm tube
	T2E	32mm Long Tee - with reduced branch for 22mm s/s
	T2EA	32mm Long Tee - with reduced end for 22mm s/s
	T2F	32mm Long Tee - with reduced branch for 25mm s/s
	T2G	32mm Long Tee - with reduced branch for 14mm s/s
	T2H	32mm Long Tee - with reduced branch for 19mm s/s
	<b>40mm Tees</b>	
	T9	40mm Equal Tee
	T9A	40mm Equal Tee - with polysulphone nipple for 14mm tube
	T9B	40mm Equal Tee - with polysulphone nipple for 16mm tube
	T9C	40mm Equal Tee - with polysulphone nipple for 19mm tube
	T9D	40mm Equal Tee - with polysulphone nipple for 22mm tube
	T9E	40mm Equal Tee - with reduced branch for 32mm s/s
	T9EE	40mm Equal Tee - with reduced branch end for 32mm s/s
	T9EG	40mm Equal Tee - with 2 reduced ends for 32mm s/s
	T9F	40mm Equal Tee - with reduced branch for 25mm s/s

## TEES

## CODE

## PRODUCT DESCRIPTION



T15

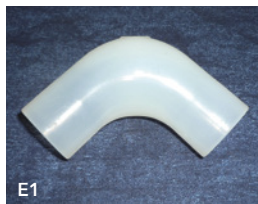
## 50mm Tees

T15	50mm Equal Tee
T15A	50mm Equal Tee - with reduced branch for 40mm s/s
T15B	50mm Equal Tee - with reduced branch for 32mm s/s
T15C	50mm Equal Tee - with reduced branch for 20/22mm s/s
T15D	50mm Equal Tee - with 2 x reduced ends for 40mm s/s
T15DG	50mm Equal Tee - with 1 end and 1 branch reduced for 40mm s/s

## ELBOWS

## CODE

## PRODUCT DESCRIPTION



E1

## 32mm Elbows

E1	32mm Long shoulder Elbow
E1A	32mm Long shoulder Elbow - with polysulphone nipple for 14mm
E1B	32mm Long shoulder Elbow - with polysulphone nipple for 16mm
E1C	32mm Long shoulder Elbow - with polysulphone nipple for 19mm
E1D	32mm Long shoulder Elbow - with polysulphone nipple for 22mm
E1E	32mm Long shoulder Elbow - with hole for sample tap
E1EA	As E1E plus polysulphone nipple for 19mm tube
E1EB	As E1E plus polysulphone nipple for 22mm tube
E1F	32mm Long shoulder Elbow - with hole for 9mm s/s tube
E1FA	As E1F plus polysulphone nipple for 19mm tube
E1FB	As E1F plus polysulphone nipple for 22mm tube
E1G	32mm Long shoulder Elbow - one end reduced to accept 25mm nipple
E1H	32mm Long shoulder Elbow - one end reduced to accept 22mm nipple
E1M	32mm Long shoulder Elbow - one end reduced to accept 19mm nipple
E1HE/32	As E1H with hole (op 32mm) for sample tap
E1HE/22	As E1H with hole (op 22mm) for sample tap
E1HF	As E1H with hole for 9mm s/s
E1J	32mm Long shoulder Elbow with drain hole flap
E1K	32mm Long shoulder Elbow - one end reduced to accept 14mm nipple
E1L	32mm Elbow - one end reduced to accept 16mm nipple
E1U	32mm U Bend - hole centres approx 104mm



E2

## 40mm Elbows

E2	40mm Elbow
E4	Reducing Elbow 40/32mm
E4A	Reducing Elbow 40/25mm
E4E	Reducing Elbow 40/22mm
E4B	40mm Elbow - with 22mm nipple
E4C	40mm Elbow - with 16mm nipple
E4D	40mm Elbow - with 14mm nipple

## BENDS

## CODE

## PRODUCT DESCRIPTION



## 32mm Bends

B1	32mm Slow easy Bend
B1A	32mm Slow easy Bend - with one end reduced to accept 25mm nipple
B1B	32mm Slow easy Bend - with drain hole
B1F	32mm 137° Bend
B1U	32mm Return U Bend - hole centres approx 190mm
B1Y	32mm Swept Y Bend

## BENDS

## CODE

## PRODUCT DESCRIPTION



## 40mm Bends

B3	40mm Slow easy Bend
B4	Reducing Bend 40/32mm
B4A	Reducing Bend 40/25mm
B4B	40mm Slow easy Bend - with 22mm nipple
B4C	40mm Slow easy Bend - with 16mm nipple
B4D	40mm Slow easy Bend - with 14mm nipple
B4E	Reducing Bend 40/22mm



## 50mm Bends

B5	50mm Bend
B5A	Reducing Bend 50/40mm
B5B	Reducing Bend 50/32mm
B5C	Reducing Bend 50/25mm
B5D	50mm Bend with 14mm nipple
B5S	50mm Short Bend (98mm)



## 14 - 25mm Long Tail Bends

B7	Long Tailed 90° Bend (14mm x 150mm)
B7A	Long Tailed 90° Bend (14mm x 380mm)
B8	Long Tailed 90° Bend (16mm x 150mm)
B9	Long Tailed 90° Bend (19mm x 150mm)
B9A	19mm ID Transfer Tube (150mm x 300mm)
B9B	Long Tailed 90° Bend (19mm ID x 300mm)
B9L	Long Tailed 90° Bend (19mm x 400mm)
B9S	Transfer S Bend (19mm ID x 250mm)
B10	Milk Meter Transfer Bend (22mm ID x 500mm)
B11	Milk Meter Transfer Bend (19mm ID x 500mm)

## JAR TEES

## CODE

## PRODUCT DESCRIPTION



## 32mm Jar Tees

T3	32mm Jar Bottom Tee - body only
T5	32mm Jar Bottom Tee - polysulphone nipple for 19mm
T6	32mm Jar Bottom Tee - polysulphone nipple for 19mm, ball & lifter

## 40mm Jar Tees

T11	40mm Jar Bottom Tee - polysulphone nipple for 22mm, 19.5mm tap
T12	40mm Jar Bottom Tee - poly nipple for 22mm, 19.5mm tap, ball & lifter
A75	Tap for 40mm Jar Bottom Tee

## CONNECTORS

## CODE

## PRODUCT DESCRIPTION



## Connectors

C1	32mm Straight Connector
C2	40mm Straight Connector
C3	50mm Straight Connector
C9	76mm Reinforced Straight Connector



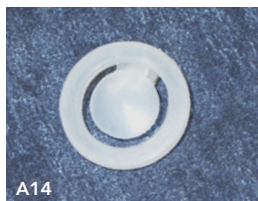
## Reducing Connectors

C4	Reducing Connector 40/32mm
C5	Reducing Connector 50/40mm
C6	Reducing Connector 50/32mm
C6A	Reducing Connector 50/25mm

## ACCESSORIES

## CODE

## PRODUCT DESCRIPTION



## Diaphragms, Washers and Valves (Equivalent part numbers are for reference only)

A8	White diaphragm - fits pulse & reverse relays (Fullwood equiv 45208. Also fits Boumatic Jar ACRs reverse relay)
A81	White Servac regulator diaphragm 130mm diameter (Fullwood equiv 45208)
A9	White master relay gasket (Fullwood equiv 43382)
A10	White pulsation washer (Fullwood equiv 42237)
A11	Clear pulsation diaphragm (Fullwood equiv 43414)
A12	White pulsation washer (Alfa equiv 965827-01)
A14	Milk pump non-return valve (Alfa equiv 99007089-80)
A15	Milk pump non-return valve (Fullwood equiv 323520)
A16	Clear pulsation diaphragm (Alfa equiv 95868901)
A17	Transfer diaphragm without hole (Fullwood equiv 323520)
A17A	Transfer diaphragm with hole (Fullwood equiv 32337)



## Butterfly Valves and Handles

F1	32mm Butterfly Valve
F2	40mm Butterfly Valve
F1X	Spare Butterfly Handle assembly for F1
F2X	Spare Butterfly Handle assembly for F2
F1GM	32mm Butterfly Valve - adapted for Gascoigne paddle



## End Caps and Bungs

NC/7mm	7mm ID x 15mm long End Cap
NC1	32mm End Cap
NC2	40mm End Cap
NC3	50mm End Cap
NB22	Plastic Bung to fit 22mm
NB32	Plastic Bung to fit 32mm
NB32A	Plastic Bung to fit 32mm with hole for sample tap
NB40	Plastic Bung to fit 40mm

## Pulsation Y Tube

TY	Pulsation Y Tube compatible with 7mm, 8mm & 9mm pulse systems
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## Tank Lid Seal

TLS	Tank Lid Seal (1525mm circumference) - different sizes available, please phone
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# Bespoke service

Our knowledge and expertise in the world of silicone products, combined with our in house engineering department, means we can happily work with you to design and develop any form of silicone product you require. We use the latest 3D CAD software to ensure your specifications are met. Once approved we can then manufacture and supply your bespoke silicone solution to suit you.



## Laboratory

Our modern in house test laboratory measures density, hardness, elongation and tensile strength. This ensure that every batch of material meets the exact material properties required.



## Quality

Quality is a byword here at Silclear that everyone takes very seriously. To achieve this we use only use high quality raw materials, continually invest in our technology and frequently review our products, processes and suppliers to ensure we meet these standards.



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