



SKELLERUP

2017 DAIRY PRODUCT CATALOGUE



SKELLERUP
is dairy

www.skellerup.co.nz

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Skellerup Customer Services 0800 475 355

MILKING LINERS

VACPLUS MILKING LINER

LINER	FIT	PER BOX	CODE
VACPLUS Square 22 ST SO	10-12mm Claws	4	RIL104
VACPLUS Square 22 ST	10-12mm Claws	4	RIL149
VACPLUS Square 22 LT SO	13-14mm Claws	4	RIL105
VACPLUS Square 22 LT	13-14mm Claws	4	RIL150
VACPLUS Square M 23	10-14mm Claws	4	RIL1091

SO - Vacuum Shut off



VacPlus Square milking liners feature an innovative square barrel that provides vacuum stability around the cow's teat, resists cup slip, and enhances milk-flow for a fast efficient milkout.

The Reflex milking liner range is designed to specifically match cow breeds to different configurations of milking equipment. The optimum liner can make a big difference to milk yield and cow comfort.



REFLEX MILKING LINER

LINER	FIT	PER BOX	CODE
REFLEX ST 21	10-12mm Claws	4	RIX545
REFLEX LT 21	13-14mm Claws	4	RIX814
REFLEX ST 22	10-12mm Claws	4	RIX662
REFLEX LT 22	13-14mm Claws	4	RIX877
REFLEX LT 22W	13-14mm Claws	4	RIX815
REFLEX M 22 SO	10-14mm Claws	4	RIX1008
REFLEX M 22	10-14mm Claws	4	RIX1092
REFLEX ST 23	10-12mm Claws	4	RIX867
REFLEX LT 23	13-14mm Claws	4	RIX813

SO - Vacuum Shut off

Small Tail (ST) liners fit 10-12mm claw nipples (pg 18).

Large Tail (LT) liners fit 13-14mm claw nipples (pg 18).

Multi-fit (M) liners fit both small and large claw milk inlet nipples (10-14mm).

Vacuum Shut Off (SO) liners have a vacuum shut-off groove on the tail that activates as the cluster is turned over at cupping-on, stabilizing vacuum and helping to reduce cross contamination of mastitis from infected cows to others in the herd. The shut-off also helps reduce pressure on the liner where it connects to the milking claw nipple. Cows with 3 teats can be easily milked with shut-off liners & they are compatible with most milking systems in NZ (consult your rural retailer before fitting).

21mm mouth-piece liners are recommended for cows with smaller sized teats (Jerseys).

22mm are recommended for cows with medium sized teats (cross-breed or mixed herds).

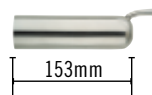
23mm are recommended for cows with large sized teats (Friesian).

SHELLS

STAINLESS STEEL SHELLS

Skellerup long straight-sided

Each **RRT205**



All Skellerup milking equipment is compliant with NZFSA (New Zealand Food Standards Authority) where you see this symbol.



RUBBER TUBING



FOOD GRADE
COMPLIANT

All Skellerup rubberware that comes into contact with milk complies with the NZFSA (New Zealand Food Standards Authority) and is designed for NZ dairy conditions.

ID = Internal Diameter.
OD = Outside Diameter.

TUBING MEASUREMENT

(ID)mm x (Wall Thickness)mm x (Length)
I.E. TMW224 = 12.7mm ID x 5.6mm (Wall Thickness) x 1220mm (Length of tube)

Dimensions subject to manufacturing tolerances



1 Blue line = 12.7mm ID
Fits 16mm OD Stainless Steel Tube

2 Blue lines = 14mm ID
Fits 16mm and 19mm OD Stainless Steel Tube

3 Blue lines = 15.9mm ID
Fits 19mm OD Stainless Steel Tube

BEST PRACTICE

Rubber milk tubing should be replaced every year.

www.dairybestpractice.co.nz



MILK TUBE

TUBING MEASUREMENT	SELLING UNIT	CODE
12.7mm x 5.6mm x 1220mm	Box of 12	TMW224
12.7mm x 5.6mm x 20M	Each	TMW233
14mm x 5.6mm x 1220mm	Box of 12	TMW244
14mm x 5.6mm x 20M	Each	TMW253
15.9mm x 5.6mm x 1220mm	Box of 12	TMW344
15.9mm x 5.6mm x 20M	Each	TMW353

AIR TUBE

SINGLE AIR TUBE TUBING MEASUREMENT	SELLING UNIT	CODE
9.5mm x 4.8mm x 1220mm	Box of 12	TMW164
9.5mm x 4.8mm x 20M	Each	TMW173
TWIN AIR TUBE TUBING MEASUREMENT	SELLING UNIT	CODE
7mm x 3.5mm x 1220mm	Box of 12	TMW014
7mm x 3.5mm x 20M	Each	TMW023

CLAW / PULSE TUBE

TUBING MEASUREMENT	SELLING UNIT	CODE
7mm x 165mm	Box of 24	RTS761
7mm x 190mm	Box of 24	RTS762
7.9mm x 178mm	Box of 24	RTS244



SILICONE / PVC TUBING

MILK TUBE

TUBING MEASUREMENT	SELLING UNIT	CODE
14mm x 5mm x 1220mm	Box of 6	TTW541
14mm x 5mm x 20M	Each	TTW631
16mm x 5mm x 1220mm	Box of 4	TTW941
16mm x 5mm x 20M	Each	TTW031

AIR TUBE

SINGLE AIR TUBE TUBING MEASUREMENT	SELLING UNIT	CODE
10mm x 4mm x 1220mm	Box of 6	TTW641
10mm x 4mm x 20M	Each	TTW731
TWIN AIR TUBE TUBING MEASUREMENT	SELLING UNIT	CODE
7mm x 3.5mm x 1220mm	Box of 6	TTW141
7mm x 3.5mm x 20M	Each	TTW231

PVC AIR TUBE

TUBING MEASUREMENT	SELLING UNIT	CODE
Single 9.5mm x 3.8mm x 25M	Each	RMC205
Twin 6.9mm x 2.8mm x 25M	Each	RMC215



TUBING ACCESSORIES

TUBING MEASUREMENT	SELLING UNIT	CODE
Dairy Tubing Cutters	Each	RAC001



SILCPLUS

Advanced formulation silicone dairy tubing

- Resists splitting, tearing and perishing
- Low absorbency, resists discolouring and easily cleaned
- Milk-flow can easily be observed

SilcPlus has been developed for New Zealand dairy operations. The manufacturing process allows the tubing to retain double the strength of other products in the market, and an increased life-expectancy under normal operating conditions.

The SilcPlus range of tubing complies with the NZFSA (New Zealand Food Standards Authority) and BFR European food grade standards.



SIZE RECOMMENDATIONS

14mm ID fits 16mm OD Stainless Steel Tube

16mm ID fits 19mm OD Stainless Steel Tube

Dimensions subject to manufacturing tolerances



BEST PRACTICE

Replace silicone tubing when damaged or discoloured (fat absorption)

www.dairybestpractice.co.nz

DAIRY ACCESSORIES

TUBING MEASUREMENT

(ID) mm x (Wall Thickness) mm x (Length)
I.E. TMW649 = 22.2mm (ID) x 7.9mm (Wall Thickness) x 3.66M (Length of tube)

Dimensions subject to manufacturing tolerances

ID = Internal Diameter

OD = Outside Diameter

SIZE RECOMMENDATIONS SUCTION TUBING

Rubber Tubing ID	Fits OD
22.2mm	25mm
28.6mm	32mm
35mm	38mm

VAT DELIVERY TUBING

Rubber Tubing ID	Fits OD
28.6mm	32mm
35mm	38mm



BEST PRACTICE

Replace any rubberware that comes into contact with milk every year, and other rubberware when perished, cracked or damaged.

Replace milking liners at 2500 milkings

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RUBBER TUBING



SUCTION TUBE

TUBING MEASUREMENT

22.2mm x 7.9mm x 3.66M

28.6mm x 9.5mm x 3.66M

35mm x 9.5mm x 3.66M

SELLING UNIT

Each

Each

Each

CODE

TMW649

TMW739

TMW799

VAT DELIVERY TUBE

TUBING MEASUREMENT

28.6mm x 6.4mm x 1675mm

35mm x 6.4mm x 1675mm

SELLING UNIT

Each

Each

CODE

TMW706

TMW766

JETTER WASH HOSE

TUBING MEASUREMENT

47mm x 10mm x 3.66M

SELLING UNIT

Each

CODE

TMD949

MILK PUMP PARTS



DIAPHRAGMS

Reflex 18A, Nylon Insert

Flynn 18A, Aluminium Insert

Reid DCM, Internal & External Thread

SELLING UNIT

Each

Each

Each

CODE

RDR015

RDR020

RRR000

OTHER

Valve Hinged Check (Flomax pumps)

Valve Hinged Check

Each

Each

RRS414

RRS293



DAIRY ACCESSORIES

BENDS

For 19mm Tube
 For 32mm Tube
 For 38mm Tube
 For 50mm Tube

SELLING UNIT	CODE
Each	RRQ159
Each	RRQ287
Each	RRQ351
Each	RRQ480



MEASUREMENT GUIDE

All 'For' recommendations are outside diameter (OD) of Stainless Steel Tubing.

Rubber ID	Fits OD
12.7mm	16mm
15.9mm	19mm
22.2mm	25mm
28.6mm	32mm
35mm	38mm
48mm	50mm
59mm	63mm
72mm	75mm

Dimensions subject to manufacturing tolerances

LONG TAIL BENDS

For 16mm Tube
 For 19mm Tube
 Increasing for 16-19mm Tube
 Reducing for 19-16mm Tube

SELLING UNIT	CODE
Pkt of 6	RRL127
Pkt of 6	RRM160
Pkt of 6	RRA128
Pkt of 6	RRA161



Milk Flow Direction

LONG TAIL BENDS

Long tail bends are measured from the longer end, following the milk flow. The first measurement is taken from the long end.



BEST PRACTICE

Replace any rubberware that comes into contact with milk every year, and other rubberware when perished, cracked or damaged.

Replace milking liners at 2500 milkings

www.dairybestpractice.co.nz

SLEEVES

For 32mm Tube
 For 38mm Tube
 For 50mm Tube
 For 63mm Tube

SELLING UNIT	CODE
Each	TRS287
Each	TRS357
Each	TRS488
Each	TRS597



DAIRY ACCESSORIES



BEST PRACTICE

Replace any rubberware that comes into contact with milk every year, and other rubberware when perished, cracked or damaged.

Replace milking liners at 2500 milkings

www.dairybestpractice.co.nz

SIZE RECOMMENDATIONS

Fits 16mm OD Stainless Steel Tube

JETTER CUP COMPATIBILITY

Reflex No.1 jetter cups are compatible with Waikato No.1 jettors

Consult a Skellerup Area Manager or contact Skellerup Customer Services for Variflow and Hyjet jetter cup compatibility

STRAP PLUGS



For 38mm Tube
For 50mm Tube

SELLING UNIT	CODE
Each	RRP810
Each	RRP811

MILK PLUGS



For 16mm Tube
For 25mm Tube
For 32mm Tube
For 38mm Tube
For 50mm Tube
For 63mm Tube

SELLING UNIT	CODE
Pkt of 2	RRP817
Pkt of 2	RRP828
Pkt of 2	RRP835
Pkt of 2	RRP841
Pkt of 2	RRP857
Pkt of 2	RRP867

DROPPER LINKS



Two Hole
Three Hole

SELLING UNIT	CODE
Pkt of 2	RRD671
Pkt of 2	RRD269

JETTER CUPS



RRJ668 Hyjet Mk10 with tail, (44mm Mouth)
RRJ152 Variflow, no tail, (45mm Mouth)
RRJ005 Reflex No. 1

SELLING UNIT	CODE
Pkt of 4	RRJ005
Pkt of 4	RRJ668
Pkt of 4	RRJ152

SNAP CLAMPS




For 15.9mm Milk Tube (ID)

SELLING UNIT	CODE
Each	RRS105



DAIRY ACCESSORIES

SHUT OFF VALVES

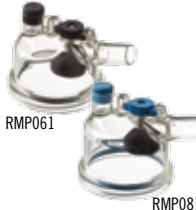

	SELLING UNIT	CODE	
For 32mm	Each	RRS400	
For 38mm	Each	RRS405	
For 50mm	Each	RRS410	

MEASUREMENT GUIDE

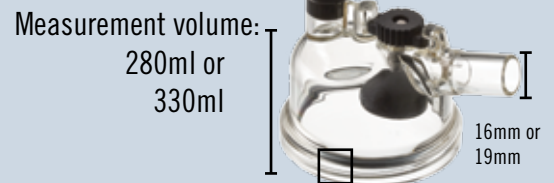
All 'For' recommendations are outside diameter (OD) of Stainless Steel Tubing

Stainless Steel OD	Rubber ID
32mm	28.6mm
38mm	35mm
50mm	48mm

CLAW BOWLS, ACCESSORIES & SPARES

	SELLING UNIT	CODE	
Claw Bowl, 280ml for 12.7mm tubing (U)	Each	RMP061	
Claw Bowl, 280ml for 15.9mm tubing (U)	Each	RMP071	
Claw Bowl, 330ml for 15.9mm tubing (U)	Each	RMP081	
Visi Claw Seal Ring. 4125	Pkt of 2	RRM110	
Visi Sight Claw Dome, no hole. 3056	Pkt of 2	RCM120	
Visi Sight Claw Dome, with hole. 3057	Pkt of 2	RCM130	
Visi Sight Claw Circlip. 3058	Pkt of 2	RCM140	

Claw bowls come complete.




U on the side of the claw bowl means the bowls are compatible with most DeLaval and Milkaware claws.

Visi Sight Claw Dome, with hole




TEST BUCKET

	SELLING UNIT	CODE	
Bucket & Lid 25L	Each	RMM205	
Bucket Seal Square Cut	Each	RRS115	
Bucket Seal Square Cut	Each	RRT030	

RMM205
Stainless Steel
16 or 19mm entry

RRS115 measurements
267 x 9.5 x 7.9mm
For old Skellerup plastic test bucket

RRT030 measurements
279 x 9.5 x 9.5mm
For stainless steel test bucket

Cross section 

RRR810 measurements
279 x 12.7 x 6.4mm

Cross section 

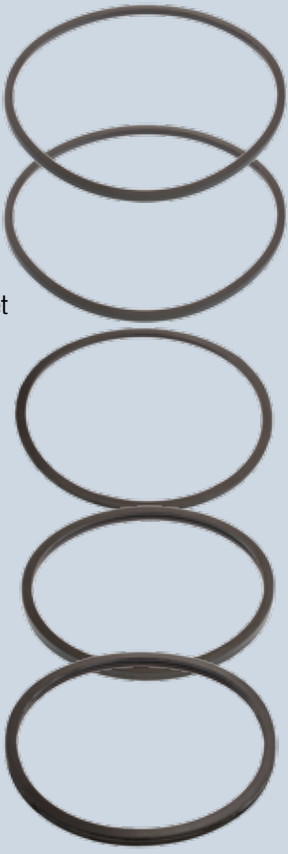
RRV020 measurements
279 x 14 x 26mm

Cross section 

RRR040 measurements
330 x 15 x 15mm

Cross section 

SEAL RINGS

	SELLING UNIT	CODE	
Square Cut	Each	RRR810	
Grooved V12 279mm	Each	RRV020	
Grooved MR5 330mm	Each	RRR040	

NOZZLES



The Master Blaster nozzle is made from hard wearing nylon, delivering up to 450L per minute. It is eco-friendly, using up to **30% less water** than other nozzles on the market.

Power Jet nozzles are ideal for yard washing and high volume/pressure applications. Each nozzle features a double 'O' ring to guarantee ease of use and an adjustable spray pattern from strong jet to fine fog.



BEST PRACTICE

Replace high water use equipment with lower use alternative and repair water leaks immediately.
www.dairybestpractice.co.nz







DAIRY SHED NOZZLES & TAIL PIECES

		SELLING UNIT	CODE
 JRT3005	Master Blaster Nozzle	Pkt of 5	JRT3005
	32mm Master Blaster Tail Piece	Pkt of 5	JNT4325
	38mm Master Blaster Tail Piece	Pkt of 5	JNT3385
 JNT0505	Large Power Jet Nozzle	Pkt of 5	JNT0505
	19mm Large Power Jet Tail Piece	Pkt of 5	JNT0595
	25mm Large Power Jet Tail Piece	Pkt of 5	JNT0655
	32mm Large Power Jet Tail Piece	Pkt of 5	JNT0725
 JNT0725	38mm Large Power Jet Tail Piece	Pkt of 5	JNT0785
	Jetspray Nozzle	Pkt of 5	JRT2195
	19mm Jetspray Tail Piece	Pkt of 5	JNT3195
	25mm Jetspray Tail Piece	Pkt of 5	JNT3255
 JRT2195	32mm Jetspray Tail Piece	Pkt of 5	JNT3325
	Pit Hose Nozzle excl Tail Piece	Each	JNT100
	Power Spray Nozzle excl Tail Piece	Each	JNT101
	13mm Power/Pit Hose Tail Piece	Each	JNT113
 JNT101	19mm Power/Pit Hose Tail Piece	Each	JNT119
	25mm Power/Pit Hose Tail Piece	Each	JNT125
	Teat Spray Nozzle, Blue Plastic	Box 25	RRT000
 RRT000			

HOSE AND FITTINGS

DAIRY SHED WASHDOWN HOSE

	SELLING UNIT	CODE	
19mm, 20M Coil Blue	Each	HUW219	 19mm
19mm, 60M Coil Blue	Each	HUW519	
25mm, 20M Coil Blue	Each	HUW225	 25mm
25mm, 60M Coil Blue	Each	HUW525	
32mm, 20M Coil Blue	Each	HUW232	 32mm
32mm, 60M Coil Blue	Each	HUW532	
38mm, 20M Coil Blue	Each	HUW238	 38mm
38mm, 60M Coil Blue	Each	HUW538	

Skellerup washdown hose is made in New Zealand to withstand high pressure and abrasive working conditions.



The recommended working pressure is 1/3 of the maximum pressure ratings below.


ID	BURST		
	MPa	PSI	BAR
19mm	4.50	550	37
25mm	4.80	450	31
32mm	5.50	500	34
38mm	4.50	600	41

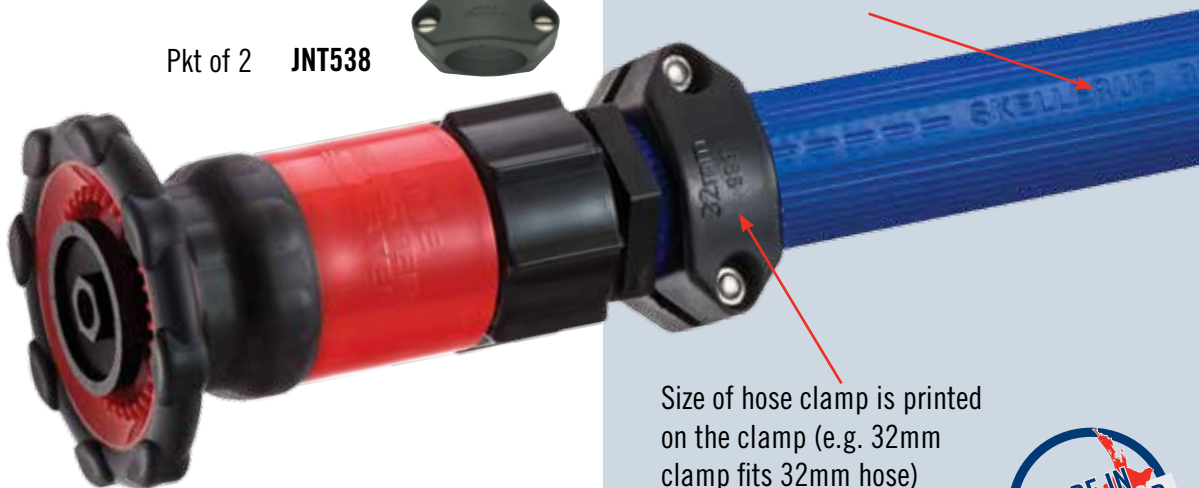
Temperature rating -10°C to 40°C.
Dimensions subject to manufacturing tolerances

Skellerup nylon hose clamps are light and strong and are designed to eliminate the sharp edges present on metal clamps.

Size of hose and metre increments are marked on each coil.

WASHDOWN HOSE CLAMPS

	SELLING UNIT	CODE	
19mm Hose Clamp	Pkt of 2	JNT519	
25mm Hose Clamp	Pkt of 2	JNT525	
32mm Hose Clamp	Pkt of 2	JNT532	
38mm Hose Clamp	Pkt of 2	JNT538	



Size of hose clamp is printed on the clamp (e.g. 32mm clamp fits 32mm hose)



AMBIC TEAT SPRAYER



RAT100

Ambic vacuum operated teat sprayers offer a fast and efficient method of mastitis prevention for the dairy herd.

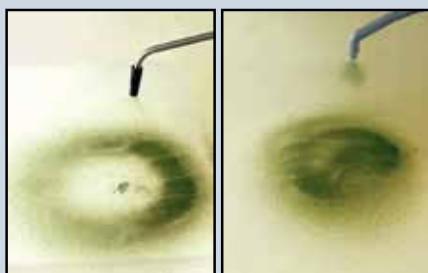
The Ambic system can be installed in under two hours, and runs off the dairy plant vacuum (no electricity required).

Annual servicing of the directional valve and replacement of the air filter takes 5 minutes and is all that is necessary to ensure on-going trouble free operation.

FEATURES

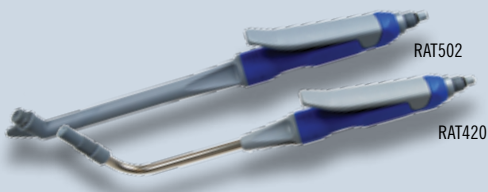
- Solid cone nozzle of the RAT502 greatly assists the operator in achieving good teat coverage.
- Longer lance improves reach to front teats.
- An impact protector on the end of the lance guards against damage.
- Available as an individual lance, complete gun and extension kit.
- Lance will fit old style plastic lance guns.

It is recommended that teats be sprayed within 30 seconds of cup removal.



Hollow Cone Spray

Solid Cone Spray



RAT502

RAT420






















TEAT SPRAYER & SPRAY GUNS

	SELLING UNIT	CODE	
Teat Sprayer complete incl 1 gun	Each	RAT100	
Extension Kit incl Classic Metal Lance	Each	RAT418	
Extension Kit incl Plastic Lance Gun (Extension kits require delivery tubing)	Each	RAT514	
Spray Gun Classic Metal Lance	Each	RAT420	
Spray Gun Plastic Extended Lance	Each	RAT502	

SPRAY GUN PARTS

	SELLING UNIT	CODE	
Spray Gun Lance, Metal 152mm	Each	RAT403	
Spray Gun Lance, Plastic Extension	Each	RAT504	
Spray Gun Nozzle, Metal	Each	RAT415	
Spray Gun Nozzle, Plastic	Each	RAT416	
Control Valve, For Lever	Each	RAT405	
Gun End Fitting	Each	RAT432	
Lever Handle, For Gun	Each	RAT439	
T Connector	Each	RAT407	
Straight Connector	Pkt of 2	RAT408	
Connector Nuts	Pkt of 6	RAT409	
Blanking Cap	Pkt of 2	RAT429	
Universal Connector	Each	RAT438	
Retractable Coil, c/w connectors	Each	RAT406	
Delivery Tubing - 6M	Each	RAT410	
Delivery Tubing - 30M	Each	RAT428	
Drag Hose Connector Part - with Swivel	Each	RAT430	

TEAT SPRAYER PARTS





	SELLING UNIT	CODE
 (A) RAT206	Each	RAT206 (A)
 (A) RAT219	Each	RAT219 (A)
 (A) RAT435	Each	RAT435 (A)
 (B) RAT426	Each	RAT426 (B)
 (B) RAT456	Each	RAT456 (B)
 (C) RAT425	Each	RAT425 (C)
 (C) RAT444	Each	RAT444 (C)
 (C) RAT447	Each	RAT447 (C)
 (C) RAT448	Each	RAT448 (C)
 (C) RAT204	Each	RAT204
 (C) RAT444	Pkt of 2	RAT419
 (C) RAT447	Each	RAT413
 (C) RAT448	Each	RAT436
 (C) RAT448	Each	RAT445
 (C) RAT448	Each	RAT446
 (C) RAT448	Each	RAT450
 (C) RAT448	Each	RAT452
 RAT436		
 RAT445		
 RAT446		
 RAT450		
 RAT452		

The diaphragm pump RAT204 (for Jetstream models) offers a higher volume capacity than the RAT426 which is designed for the Classic 400 Teat Sprayer.

Contact Skellerup Customer Services on 0800 475 355 for a recommended Ambic Service Agent.

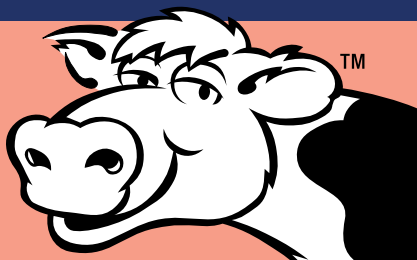
AMBIC EQUIPMENT LIMITED
Ambic is a world leader in the design and manufacture of mastitis prevention equipment. All Ambic products are made from the highest quality chemical resistant materials and proven components.

MASTITIS DETECTORS

	SELLING UNIT	CODE
 REM006	Each	REM006
 REM203	Pkt of 2	REM202
 REM202	Each	REM203
 REM204	Pkt of 6	REM204

CALF TEATS

PEACH TEATS



Manufactured by
SKELLERUP



The non-return valve never closes in its relaxed state so it cannot be blocked. It is designed to function like a real cow's teat, moving all the time while the calf is suckling.




There is a milk opening on each side of the nipple, situated so that the crown of the nipple remains intact and ensures that the teat is leak resistant.

PEACH TEATS - FOR ANY FEEDER!
There is a Peach Teat available to fit any Stallion, Milk Bar, or McKee calf feeder and any feeder with a 19-22mm teat hole. Peach Teats are popular in calf feeder markets around the world.



- Rapid acceptance - calves latch on and stay on.
- Ideal for weak and sick calves, these teats closely simulate a cow's natural milk let down.
- Peach Teat's threaded attachment method means easy removal for cleaning or replacement.





PEACH TEATS

	SELLING UNIT	CODE	
Peach Teat Threaded Black	Box of 50	RMT758	
Peach Teat Threaded Pink	Box of 50	RMT777	
Peach Teat Pull Through Black	Box of 50	RMT762	
Peach Teat Easy-Fit Adaptor	Box of 50	RMT700	

SKELLERUP TEATS

	SELLING UNIT	CODE	
Short Self Seal	Bag of 50	RMT408	
Long Standard Bore	Bag of 40	RMT430	
Short Self Seal Wallace	Bag of 50	RMT600	
Long Self Seal	Bag of 50	RMT732	
Universal Nursing Teat	Bag of 20	RRG635	

TUBE FEEDER ACCESSORIES

	SELLING UNIT	CODE	
Tubing 6mm x 4mm x 30M	Each	RMC145	
Non Return Valve Nylon	Pkt of 10	RMC120	

MILK FILTERS

FILTER SOCKS - sealed one end

		SELLING UNIT	CODE
75mm x 610mm	P	Pkt of 100	RMF210
125mm x 830mm	Q	Pkt of 100	RMF227
140mm x 980mm	O	Pkt of 100	RMF198
150mm x 830mm	R	Pkt of 100	RMF285
150mm x 610mm	U	Pkt of 100	RMF320
150mm x 790mm	V	Pkt of 100	RMF379
225mm x 800mm	S	Pkt of 100	RMF305
230mm x 850mm	T	Pkt of 100	RMF310
230mm x 1100 mm	W	Pkt of 100	RMF341
310mm x 1060mm	X	Pkt of 100	RMF311

FILTER SLEEVES - open ended

100mm x 610mm	B	Pkt of 100	RMF215
100mm x 760mm	C	Pkt of 100	RMF225
125mm x 830mm	L	Pkt of 100	RMF350
140mm x 930mm	N	Pkt of 100	RMF199
140mm x 980mm	J	Pkt of 100	RMF197
150mm x 585mm	H	Pkt of 100	RMF330
150mm x 610mm	A	Pkt of 100	RMF220
150mm x 760mm	D	Pkt of 100	RMF270
150mm x 790mm	I	Pkt of 100	RMF275
150mm x 880mm	E	Pkt of 100	RMF200
230mm x 850mm	F	Pkt of 100	RMF345
230mm x 1100mm	G	Pkt of 100	RMF340
320mm x 570mm	K	Pkt of 100	RMF570
320mm x 750mm	M	Pkt of 100	RMF575

FILTER SPARES



		SELLING UNIT	CODE
Filter Keeper F1/3 for 75mm		Pkt of 2	RRR129
Filter Keeper F76/4 for 100mm		Pkt of 2	RRR124
Filter Keeper F102/4 for 150mm		Pkt of 2	RRR121
Filter Seal Ring F76/3 for 75mm		Pkt of 2	RRR128
Filter Seal Ring F102/3 for 100mm		Pkt of 2	RRR126

All Skellerup milk filters meet the New Zealand Food Standards Authority (NZFSA) regulations.

Filter sizes are measured flat in a collapsed position. E.g. 75mm diameter filter cage takes a 100mm wide filter.

Some filters are only available ex-factory. Consult Skellerup Customer Services or your Area Manager



For customer convenience filters have been coded with an easy-to-identify letter relating to each size.



BEST PRACTICE

Use a new milk filter for every milking.
www.dairybestpractice.co.nz



TROUBLE SHOOTING

LINERS SPLITTING IN THE BARREL

Liner has exceeded the recommended 2,500 milking's – check number of milking's and change liners



LINER TAIL-END SPLITTING (vertically up liner tail)

Incorrect liner tail size is being used for the claw nipple:

- 10-12mm claw nipple outside diameter = 8mm liner tail internal diameter (or multi-fit 9mm liner)
- 13-14mm claw nipple outside diameter = 10mm liner tail internal diameter (or multi-fit 9mm liner)

LINER TAIL-END PIERCING (hole)

Impact damage (claw has pierced liner, cluster has fallen onto hard surface or the cow has kicked it off)

- Check claw nipples for sharp edges and smooth as required
- Check for 'cup slip' or why cows kicking



LINERS FALLING OFF JETTERS

Liners left on jettors between milking's (distorts the mouth of the liner preventing it from sealing correctly)

Incorrect liner head design chosen – check liner specifications are correct for jettors / dairy plant

Jetter cups / nipples worn - replace

CUP SLIP (liners slipping off cow's teats)

Plugging – Liner or milking system can't cope with volume of milk (often in peak of season)

- Check correct liner barrel size for cows being milked
- Have system checked for capacity vs. milk volume

Old or worn liners

- Replace liners at 2500 milkings

Distorted liner mouth-piece (from hanging on jettors)

- Replace liners and do not leave hanging on jettors between milkings

Incorrect liner design chosen (vacuum chamber dimensions or mouth-piece size vs. teat size)

- Check liner specification is correct for herd and plant

Liners twisted in shells

- Check arrow on liner head aligns with arrow on tailpiece

Low dairy plant vacuum

- Plant check by qualified technician
- Fit square barrel liners that operate better on lower vacuum

Cow's teats damaged / deformed or 3 teat cows

- Check liner specification (mouth and vacuum chamber size)
- Use plastic teat plug for liner with no teat to milk or liners with vacuum shut-off in tail

Clusters not aligned with udder during milking (pulling on teats off vertical axis)

- Check cluster aligned with udders and lengthen tubing to correct (tubing too long can sag or kink)

Stray voltage in milking plant causing cows to kick

- Have plant checked by a professional for 'stray voltage'

TROUBLE SHOOTING

TEAT DAMAGE

Faulty regulator, incorrect pulsation, vacuum too high / low (cup slip) / unstable or insufficient reserve

- Have system checked thoroughly by a professional

No emollient in teat-spray

- Add emollient to specialist recommendations or change to teat spray with emollient in and ensure mixed

Liners (wrong specs)

- Check recommended liner specification to fit herd and milking plant

Cluster alignment

- As above ensure cluster aligned with udders and lengthen tubing to correct (tubing too long can sag or kink)

Over milking

- Check milk-out times and ensure cups are taken off as soon as the udder is milked out
- Check automatic cup removers functioning correctly

Stray voltage in milking plant causing cows to not let down milk

- Have plant checked by a professional for 'stray voltage'

Operator error (removing cups before vacuum shut-off)

- Operator training



BEST PRACTICE

Changing liners at 2,500 milkings reduces costs and increases yield.

www.dairybestpractice.co.nz

2500 CHANGE

WHY LINERS SHOULD BE CHANGED EVERY 2500 MILKINGS

The milking liner has a significant impact on milking efficiency, hygiene and cow comfort – more than most other milking machine components. Changing your liners every 2500 milkings can prevent potential grading.

It also provides other benefits such as shorter milking times, more complete milk-out, reduced cup-slip, lower somatic cell count and increased overall yield.



CALCULATE WHEN TO CHANGE

120 (cows) x 2 (milkings) = 240
divided by 16 (clusters)
= 15 (milkings per liner per day).

2,500 milkings divided by 15
(milkings per liner per day)
= 166 (days recommended liner life)
or 6 months.

Liner Replacement Table - Calculated in milking days												
Herd Size	200	300	400	500	600	700	800	900	1000	1100	1200	
Number of Clusters	15	94	63	47	38	31	27	23	21	19	17	16
	20	125	83	63	50	42	36	31	28	25	23	21
	25	156	104	78	63	52	45	39	35	31	28	26
	30	188	125	94	75	63	54	47	42	38	34	31
	35	219	146	109	88	73	63	55	49	44	40	36
	40	250	167	125	100	83	71	63	56	50	45	42
	45	281	188	141	113	94	80	70	63	56	51	47
	50	313	208	156	125	104	89	78	69	63	57	52
	55	344	229	172	138	115	98	86	76	69	63	57
	60	375	250	188	150	125	107	94	83	75	68	63
	65	406	271	203	163	135	116	102	90	81	74	68
	70	438	292	219	175	146	125	109	97	88	80	73
	75	469	313	234	188	156	134	117	104	94	85	78
80	500	333	250	200	167	143	125	111	100	91	83	

MILKING LINER RECOMMENDATIONS

Claw Milk Inlet Nipples	Shell Type	JERSEY HERD		CROSS - BREED OR MIXED HERD	
		 BEST FIT FOR HERD Liners	Tension Ring	 BEST FIT FOR HERD Liners	Tension Ring
Standard Claw 10-12mm OD (Angled)	Stainless Steel Long Straight-sided	Reflex ST 21	1	Reflex ST 22 / M 22	1
	Stainless Steel Short Straight-sided	Reflex M 22	2	Reflex M 22	2
	Stainless Steel Flared Monokura	Reflex ST 21	1	Reflex ST 22 / M 22	1
	Tapered or Plastic*	No Match		No Match	
High-Flow Claw 13-14mm OD (Angled)	Stainless Steel Long Straight-sided	Reflex LT 21	1	Reflex LT 22 / M 22	1
	Stainless Steel Short Straight-sided	Reflex M 22	2	Reflex M 22	2
	Stainless Steel Flared Monokura	Reflex LT 21	1	Reflex LT 22 / M 22	1
	Westfalia	Reflex LT 22W	1	Reflex LT 22W	1
	Tapered or Plastic*	No Match		No Match	

CLAWS: Some claws require vacuum shut off liners (Reflex M 22 SO or VacPlus Square SO).

SHELL TYPES: * Recommend changing tapered shells to straight sided. Some shells may have been cut down. If unsure please consult a Skellerup Dairy Area Manager.

Milk Inlet Nipple
straight



Milk Inlet Nipple
angled

Milk Inlet Nipples
10-12mm OD
or 13-14mm OD



Milk Outlet

Long Straight



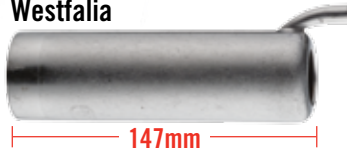
Short Straight



Monokura Flared



Westfalia



DeLaval Oval



Tapered



Standard long shell
150 - 155mm



17mm - 19mm ID

Westfalia shell
147mm



27mm ID

Oval shell
152mm





24mm - 27mm ID

Short shell
140mm



20mm ID

MILKING LINER RECOMMENDATIONS

	FRIESIAN HERD			Jetter Wash Compatibility
VACPLUS Liners	 REFLEX BEST FIT FOR HERD Liners	Tension Ring	VACPLUS Liners	 REFLEX BEST FIT FOR HERD VACPLUS
VACPLUS Square ST N/A	Reflex ST 23 Reflex M 22	1 2	VACPLUS Square ST /M 23 N/A	Compatible with: * rubber jetter cups (except Waikato No.2) * button jettters.
VACPLUS Square ST N/A	Reflex ST 23 No Match	1	VACPLUS Square ST /M 23 N/A	
VACPLUS Square LT N/A	Reflex LT 23 Reflex M 22	1 2	VACPLUS Square LT /M 23 N/A	For upright jettters consult a Skellerup Dairy Area Manager
VACPLUS Square LT N/A	Reflex LT 23 Reflex LT 22W	1 1	VACPLUS Square LT /M 23 N/A	
No Match	No Match	No Match	No Match	

REFLEX



21mm mouth-piece = Jersey
22mm mouth-piece = Cross-breed/ Mixed Herd
23mm mouth-piece = Friesian

REFLEX M22



Multi fit (10-14mm claws)

T2 = Use second tension ring for short shells
T1 = Use for shells 150 - 155mm in length

REFLEX M22 - SO (Shut Off)



Rubber Jetter Cups
side view

Waikato No. 2
40mm ID

Waikato No. 1
44mm ID

Not compatible with Skellerup liners

Compatible with Skellerup liners



VACPLUS SQUARE - SO (Shut Off)



Button Jetter

Upright 'Candlestick' Jetter


VACPLUS SQUARE



VACPLUS SQUARE M 23



LINER TO LINER CONVERSION LIST

IMPORTANT – If the current Liner being used is not performing satisfactorily or does not appear in this list please consult a Skellerup Area Manager or contact Skellerup Customer Services on 0800 475 355
 For Dairy plants using short-shells (140mm) use **Reflex M 22 tension ring 2**  or convert to standard shells. SO = Shut Off

CURRENT MILKING LINER		VACPLUS	CURRENT MILKING LINER		VACPLUS
Bullseye Surepulse T-A1N	Reflex M 22 S0	VACPLUS Square ST S0	Flo-Tek 1	Reflex LT 23	VACPLUS Square M 23
Bullseye Surepulse T-A1W	Reflex M 22 S0	VACPLUS Square LT S0	Flo-Tek 4	Reflex ST 23	VACPLUS Square M 23
Bullseye Surepulse T-C1W	Reflex M 22 S0	VACPLUS Square LT S0	GFA Westfalia 7021-2725-270	Reflex LT 22W	Consult Area Manager
Bullseye Surepulse R-AX1N	Reflex M 22 S0	VACPLUS Square ST S0	GFA Westfalia 7021-2725-250	Reflex LT 22W	Consult Area Manager
Bullseye Surepulse R-AX1W	Reflex M 22 S0	VACPLUS Square LT S0	Miffos 1010 L (Shut off)	Consult Area Manager	Consult Area Manager
Bullseye Surepulse R-NZ1N	Reflex M 22	VACPLUS Square ST	Miffos 1020 L (Shut off)	Reflex M 22 S0	Consult Area Manager
Bullseye Surepulse R-NZ1W	Reflex M 22	VACPLUS Square LT	Miffos 1030 L (Shut off)	Reflex M 22 S0	Consult Area Manager
Dairy-master 916 S	Reflex ST 23	VACPLUS Square M 23	Miffos 10204	Consult Area Manager	Consult Area Manager
Dairy-master 916 SL	Reflex LT 23	VACPLUS Square M 23	Miffos 20204	Consult Area Manager	VACPLUS Square LT
Delaval 906836-01	Reflex LT 22W	Consult Area Manager	Miffos 2010S	Reflex ST 21	Consult Area Manager
Delaval 917094-01	Reflex ST 21	Consult Area Manager	Miffos 2010L	Reflex LT 21	Consult Area Manager
Delaval 917097-01 (Shut off)	Consult Area Manager	Consult Area Manager	Miffos 2020S	Reflex ST 23	VACPLUS Square M 23
Delaval 917098-01	Reflex LT 23	VACPLUS Square M 23	Miffos 2020L	Reflex LT 23	VACPLUS Square M 23
Delaval 917100-01	Reflex LT 21	Consult Area Manager	Miffos 2030S	Reflex ST 23	VACPLUS Square M 23
Delaval 917101-01	Reflex ST 21	Consult Area Manager	Miffos 2030L	Reflex LT 23	VACPLUS Square M 23
Delaval 917102-01 (Shut off)	Reflex M 22 S0	VACPLUS Square LT S0	Miffos 5010	Reflex ST 23	VACPLUS Square M 23
Delaval 917103-01	Reflex ST 23	VACPLUS Square M 23	Miffos 5020	Reflex LT 23	VACPLUS Square M 23
Delaval 917105-01	Reflex LT 21	Consult Area Manager	Miffos 5030	Reflex LT 22W	Consult Area Manager
Delaval 925125-01	Reflex LT 22W	Consult Area Manager	Miffos Ultraliner ALU	Reflex ST 23	VACPLUS Square M 23
Delaval 927872-01 (Short Shell)	Reflex M 22 (T2)	Consult Area Manager	Read 1	Reflex LT 22 or M 22	VACPLUS Square LT
Delaval 927873-01 (Short Shell)	Reflex M 22 (T2)	Consult Area Manager	Read 2	Reflex ST 22 or M 22	VACPLUS Square ST
Delaval 927874-01	Reflex ST 23	VACPLUS Square M 23	Read 11	Consult Area Manager	VACPLUS Square LT
Delaval 927875-01	Reflex ST 23	VACPLUS Square M 23	Waikato Classic S	Reflex ST 21	Consult Area Manager
Delaval 927876-01 (Short Shell)	Reflex M 22 (T2)	Consult Area Manager	Waikato Classic LB	Reflex LT 21	Consult Area Manager
Delaval 927878-01	Reflex LT 23	VACPLUS Square M 23	Waikato No. 1	Reflex LT 23	VACPLUS Square M 23
Delaval 960000-02	Reflex ST 23	VACPLUS Square M 23	Waikato Supaliner	Reflex ST 22 or M 22	VACPLUS Square ST
Delaval 960016-01 (Short Shell)	Reflex M 22 (T2)	Consult Area Manager	Waikato Supaliner LB	Reflex LT 22 or M 22	VACPLUS Square LT
Delaval 960028-01	Reflex ST 22 or M 22	VACPLUS Square ST	Waikato Quadrant LB	Consult Area Manager	VACPLUS Square LT

Vacuum Shut Off liners may be appropriate. Consult your Skellerup Area Manager