VORTEX
DAIRY TECH.

PRODUCT CATALOG

Milking Systems • Farm Equipment • Dairy Solutions



VORTEX
DAIRY TECH.

SECTION

VORTEX PRODUCT CATALOG

Complete milking and farm solutions



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SECTION 01

MILKING SYSTEMS

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VORTEX DAIRY TECH.

01

PORTABLE MILKING MACHINES

BUILT TO YOUR ORDER

FOUR MODELS · SIX OPTIONS · TWO ANIMAL GROUPS

VORTEX DAIRY TECH.



V1 SINGLE MILKER
1 CLUSTER



V2 DOUBLE MILKER
2 CLUSTERS



VD DOUBLE-BUCKET MILKER
2 CLUSTERS



VE SINGLE ECO MILKER
1 CLUSTER

HOW TO READ THE ORDER CODE

V1	-	B	-	R	-	S	-	D	-	S	-	S	-	P
MODEL		ANIMAL GROUP		LINER		TEAT-CUP SHELL		VACUUM PUMP		BUCKET		CLAW CAPACITY		CHASSIS FINISH

OPTION CODES

OPTION	CODE	MEANING	CODE	MEANING
Animal group	B	Bovine · cows & buffalo	S	Small ruminants · goats & sheep
Liner	S	Silicone	R	Rubber
Teat-Cup Shell	S	Stainless Steel	P	Pvc
Vacuum Pump	O	Oil	D	Dry
Bucket	S	Stainless Steel	A	Aluminium
Claw Capacity	B	240Cc	S	160Cc
Chassis Finish	G	Galvanized	P	Electrostatic Paint

FOUR STEPS TO ORDER

1 PICK A MODEL
V1, V2, VD or VE.

2 CHOOSE THE ANIMAL
B for cows & buffalo, S for goats & sheep.

3 SELECT EACH OPTION
One code per column of the options table.

4 SEND US THE CODE
With quantity and, for VD, the drive type.

V1

MOBILE MILKING MACHINE

SINGLE MILKER

ONE MILKING CLUSTER / ONE MILK BUCKET

VORTEX DAIRY TECH.



EXAMPLE ORDER CODE

V1-B-R-S-D-S-S-P

ANIMAL GROUP CODE

- **B** Bovine — Cows & buffalo
- **S** Small Ruminants — Goats & sheep

MODEL FORMAT

- 1 MILKING CLUSTER
- 30 LT MILK BUCKET
- ELECTRIC VACUUM SYSTEM
- MOBILE TWO-WHEEL CHASSIS

Select one code from each option column below.

AVAILABLE CONFIGURATION OPTIONS

LINER	TEAT-CUP SHELL	VACUUM PUMP	BUCKET	CLAW CAPACITY	CHASSIS FINISH
S — SILICONE	S — STAINLESS STEEL	O — OIL	S — STAINLESS STEEL	B — 240cc	G — GALVANIZED
R — RUBBER	P — PVC	D — DRY	A — ALUMINIUM	S — 160cc	P — ELECTROSTATIC PAINT

TECHNICAL DATA

- MOTOR POWER » **0.55 kW / 0.75 HP**
- POWER SUPPLY » **220 V / 50 Hz**
- ROTATION SPEED » **1,380 rpm**
- DIMENSIONS (W X L X H) » **64 x 83 x 87 cm**
- WEIGHT » **53 KG**

STANDARD DRIVE

E ELECTRIC

- 20ft CONTAINER 50 PCS
- 40ft CONTAINER 100 PCS
- 40ft HIGH-CUBE CONTAINER 150 PCS

V2

MOBILE MILKING MACHINE

DOUBLE MILKER

TWO MILKING CLUSTERS / ONE MILK BUCKET

VORTEX DAIRY TECH.



EXAMPLE ORDER CODE

V2-B-R-S-D-S-S-P

ANIMAL GROUP CODE

- **B** Bovine — Cows & buffalo
- **S** Small Ruminants — Goats & sheep

MODEL FORMAT

- 2 MILKING CLUSTERS
- 40 LT MILK BUCKET
- ELECTRIC VACUUM SYSTEM
- MOBILE TWO-WHEEL CHASSIS

Select one code from each option column below.

AVAILABLE CONFIGURATION OPTIONS

LINER	TEAT-CUP SHELL	VACUUM PUMP	BUCKET	CLAW CAPACITY	CHASSIS FINISH
S — SILICONE	S — STAINLESS STEEL	O — OIL	S — STAINLESS STEEL	B — 240cc	G — GALVANIZED
R — RUBBER	P — PVC	D — DRY	A — ALUMINIUM	S — 160cc	P — ELECTROSTATIC PAINT

TECHNICAL DATA

- MOTOR POWER » **0.55 kW / 0.75 HP**
- POWER SUPPLY » **220 V / 50 Hz**
- ROTATION SPEED » **1,380 rpm**
- DIMENSIONS (W X L X H) » **64 x 82 x 87 cm**
- WEIGHT » **62 KG**

STANDARD DRIVE

- **E** ELECTRIC

- 20ft CONTAINER 50 PCS
- 40ft CONTAINER 100 PCS
- 40ft HIGH-CUBE CONTAINER 150 PCS

VD

MOBILE MILKING MACHINE

DOUBLE-BUCKET MILKER

DOUBLE MILKING CLUSTER / DOUBLE MILK BUCKET

VORTEX DAIRY TECH.



EXAMPLE ORDER CODE

VD-B-R-P-D-S-S-P

ANIMAL GROUP CODE

- **B** Bovine — Cows & buffalo
- **S** Small Ruminants — Goats & sheep

MODEL FORMAT

- 2 MILKING CLUSTERS
- DOUBLE 30 LT MILK BUCKET
- ELECTRIC OR GASOLINE DRIVE
- HEAVY-DUTY MOBILE TWO-WHEEL CHASSIS

Select one code from each option column below.

AVAILABLE CONFIGURATION OPTIONS

LINER	TEAT-CUP SHELL	VACUUM PUMP	BUCKET	CLAW CAPACITY	CHASSIS FINISH
S — SILICONE	S — STAINLESS STEEL	O — OIL	S — STAINLESS STEEL	B — 240cc	G — GALVANIZED
R — RUBBER	P — PVC	D — DRY	A — ALUMINIUM	S — 160cc	P — ELECTROSTATIC PAINT

TECHNICAL DATA

- MOTOR POWER » **0.55 kW / 0.75 HP**
- POWER SUPPLY » **220 V / 50 Hz**
- ROTATION SPEED » **1,380 rpm**
- DIMENSIONS (W X L X H) » **84 x 88 x 88 cm**
- WEIGHT » **68 KG**

STANDARD DRIVE

- **E** ELECTRIC
- **G** GASOLINE

- 20ft CONTAINER 25 PCS
- 40ft CONTAINER 60 PCS
- 40ft HIGH-CUBE CONTAINER 80 PCS

VE

MOBILE MILKING MACHINE

SINGLE ECO MILKER

COMPACT SINGLE-CLUSTER CONFIGURATION

VORTEX DAIRY TECH.



EXAMPLE ORDER CODE

VE-B-R-P-D-S-S-P

ANIMAL GROUP CODE

- **B** Bovine — Cows & buffalo
- **S** Small Ruminants — Goats & sheep

MODEL FORMAT

- 1 MILKING CLUSTER
- 30 LT MILK BUCKET
- ELECTRIC VACUUM SYSTEM
- COMPACT ECO FRAME

Select one code from each option column below.

AVAILABLE CONFIGURATION OPTIONS

LINER	TEAT-CUP SHELL	VACUUM PUMP	BUCKET	CLAW CAPACITY	CHASSIS FINISH
S — SILICONE	S — STAINLESS STEEL	O — OIL	S — STAINLESS STEEL	B — 240cc	G — GALVANIZED
R — RUBBER	P — PVC	D — DRY	A — ALUMINIUM	S — 160cc	P — ELECTROSTATIC PAINT

TECHNICAL DATA

- MOTOR POWER » **0.55 kW / 0.75 HP**
- POWER SUPPLY » **220 V / 50 Hz**
- ROTATION SPEED » **1,380 rpm**
- DIMENSIONS (W X L X H) » **54 x 74 x 80 cm**
- WEIGHT » **45 KG**

STANDARD DRIVE

E — ELECTRIC

- 20ft CONTAINER 55 PCS
- 40ft CONTAINER 120 PCS
- 40ft HIGH-CUBE CONTAINER 180 PCS

01

PORTABLE MILKING MACHINES

RANGE AT A GLANCE

COMPARE THE FOUR MOBILE MODELS

VORTEX DAIRY TECH.



V1 V1 SINGLE



V2 V2 DOUBLE



VD VD DBL-BUCKET



VE VE ECO

SPECIFICATION	V1 SINGLE	V2 DOUBLE	VD DOUBLE-BUCKET	VE SINGLE ECO
Milking clusters	1	2	2	1
Milk bucket	30 L	40 L	2 × 30 L	30 L
Drive	Electric	Electric	Electric / Gasoline	Electric
Motor power	0.55 kW / 0.75 HP	0.55 kW / 0.75 HP	0.55 kW / 0.75 HP	0.55 kW / 0.75 HP
Power supply	220 V / 50 Hz	220 V / 50 Hz	220 V / 50 Hz	220 V / 50 Hz
Rotation speed	1,380 rpm	1,380 rpm	1,380 rpm	1,380 rpm
Dimensions W×L×H	64 x 83 x 87 cm	64 x 82 x 87 cm	84 x 88 x 88 cm	54 x 74 x 80 cm
Weight	53 kg	62 kg	68 kg	45 kg
Example order code	V1-B-R-S-D-S-S-P	V2-B-R-S-D-S-S-P	VD-B-R-P-D-S-S-P	VE-B-R-P-D-S-S-P
20 ft container	50 pcs	50 pcs	25 pcs	55 pcs
40 ft container	100 pcs	100 pcs	60 pcs	120 pcs
40 ft high-cube	150 pcs	150 pcs	80 pcs	180 pcs

COMMON OPTIONS ON ALL MODELS

- LINER: SILICONE / RUBBER
- TEAT-CUP SHELL: STAINLESS STEEL / PVC
- VACUUM PUMP: OIL / DRY
- BUCKET: STAINLESS STEEL / ALUMINIUM
- CLAW: 240 CC / 160 CC
- CHASSIS: GALVANIZED / ELECTROSTATIC PAINT

WHEELS & BUCKET LIDS

SPARE PARTS FOR MOBILE MACHINES

WHEELS



BIG WHEEL Ø300 · RED

VX8903543



BIG WHEEL Ø250 · RED

VX8903543-1



BIG WHEEL Ø300 · BLACK

VX8903544



BIG WHEEL Ø250 · BLACK

VX8903544-1



FRONT WHEEL WITH BRAKE Ø100

VX8903545

TRANSPARENT BUCKET LIDS



40 L LID · WITH SKIRT

VX310101



40 L LID · FLAT

VX310101-1



30 L LID · FLAT · 3 GLAND

VX310105



30 L LID · FLAT · 2 GLAND

VX310104



30 L LID · SKIRT · 3 GLAND

VX310105-1



30 L LID · SKIRT · 2 GLAND

VX310104-1

STAINLESS STEEL LIDS



30 L BUCKET LID · S/S

VX330104-1



30 L BUCKET LID · S/S

VX330104



BUCKET TRANSFER LID Ø38 · S/S

VX330104-2

PORTABLE MILKING MACHINES

LID GASKETS

SEALS FOR BUCKET LIDS



40 / 30 L GASKET · WITH SKIRT

VX410101



30 L GASKET · FLAT

VX410103-1



40 L GASKET · FLAT

VX410101-1



40 L GASKET · FLAT

VX410101-2

GASKET REFERENCES

GASKET	BUCKET	TYPE	CODE
Lid gasket with skirt	40 L / 30 L	Skirt	VX410101 / VX410103
Lid gasket	30 L	Flat	VX410103-1
Lid gasket	40 L	Flat	VX410101-1
Lid gasket	40 L	Flat	VX410101-2

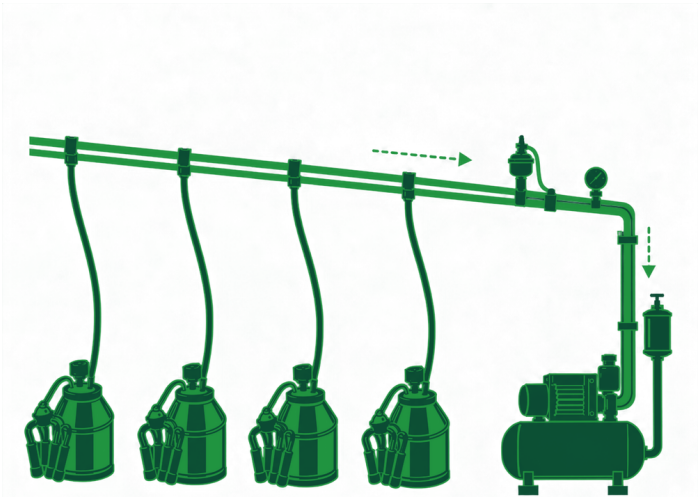
01

MILKING SYSTEMS

BUCKET & PIPELINE SYSTEMS

CHOOSE THE SYSTEM THAT FITS YOUR BARN

VORTEX DAIRY TECH.

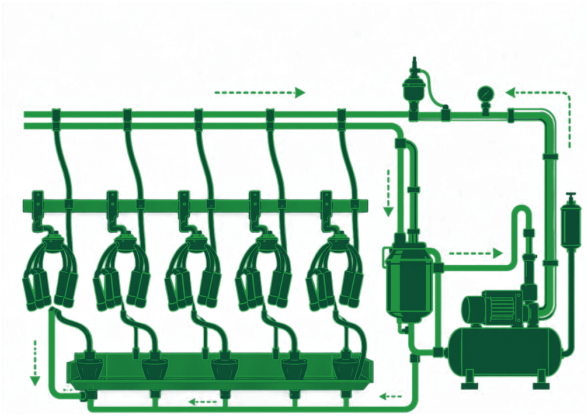


BUCKET SYSTEM

A portable system where milk is collected in an individual bucket at each milking point. Simple, economical and ideal for small herds or barns without a fixed pipeline.

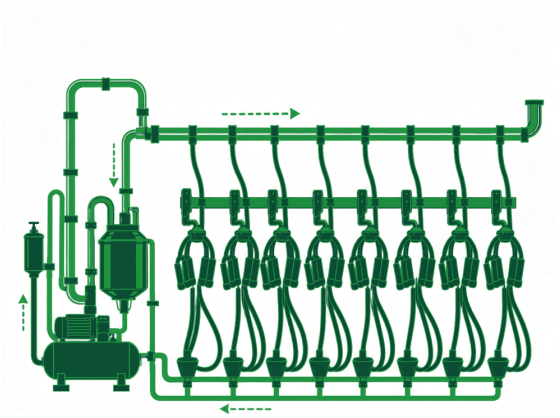
BEST FOR

- SMALL HERDS
- TIE-STALL BARNS
- MOBILE MILKING



PIPELINE SYSTEM · MILK LINE

Milk travels by pipeline from the units to the receiver. Efficient milking, easier cleaning, less labour.



PIPELINE SYSTEM · WALL-HUNG UNITS

Clusters hang on the wall and the system includes in-place washing.

WORK ROUTINE TIME PER COW

SYSTEM	MIN / COW	NOTE
Bucket machine	2.0	Milk carried by hand
Bucket machine with trolley	1.5	About 25% less walking
Pipeline machine	1.0	Milk transported by vacuum

Source: FAO, Milking — typical work routine times.

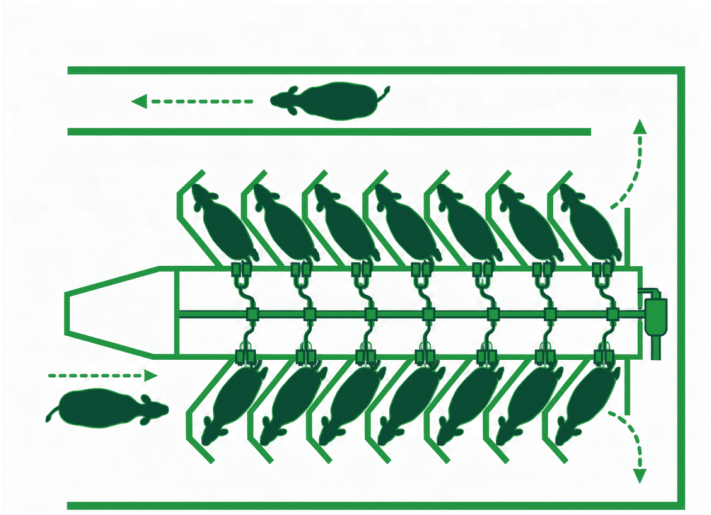
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MILKING SYSTEMS

HERRINGBONE PARLOR

MILKING SYSTEMS / TECHNICAL DATA

VORTEX DAIRY TECH.



NUMBER OF STALLS

4 - 32 STALLS

HOW IT WORKS

Cows stand in echelon at an angle to the operator pit, giving the milker access to the udder from behind or in front of one hind leg. A proven layout for small and medium herds.

KEY FACTS

- UDDER-TO-UDDER SPACING APPROX. 0.9 M
- SUITS HERDS OF APPROX. 50–400 COWS
- 50–75 COWS/HOUR PER OPERATOR

MILK LINE

MILKING CLUSTERS	PULSATION	MILK METER	RECEIVER UNIT
1 PVC CLUSTER 240-340 CC	1 ELECTRONIC PULSATOR	1 MECHANICAL MILK METER	1 60 L RECEIVER + MILK TRANSFER PUMP
2 S/S CLUSTER 240-340 CC	2 PNEUMATIC PULSATOR	2 ELECTRONIC MILK METER	2 100 L RECEIVER + MILK TRANSFER PUMP

VACUUM LINE

- VACUUM PUMP(S)
- PVC PIPELINE
- VACUUM REGULATOR

WASHING LINE

- STAINLESS-STEEL PIPELINE
- WASHING TROUGHS

OPTIONAL

- HERD MANAGEMENT SYSTEM
- SWING-OVER ARM

STANDARD ACCESSORIES

- ELBOWS
- FITTINGS
- SCREWS

Key facts: typical values (FAO). Equipment list per configuration; final scope confirmed in your quotation.

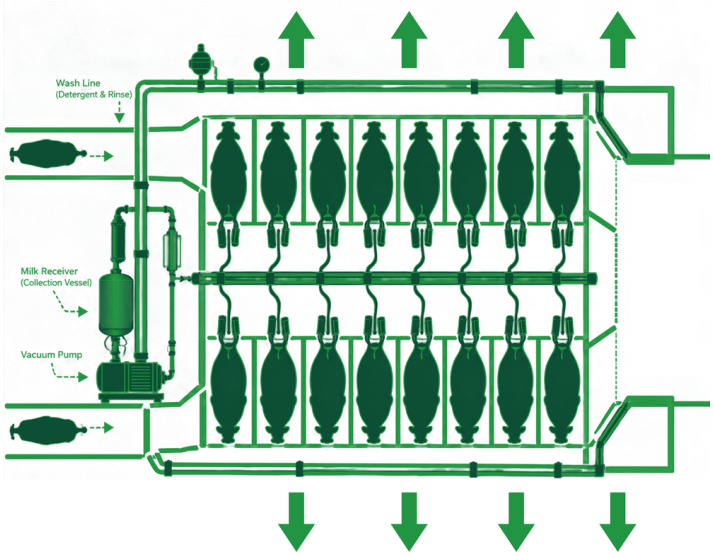
PP

MILKING SYSTEMS

PARALLEL PARLOR

MILKING SYSTEMS / TECHNICAL DATA

VORTEX DAIRY TECH.



NUMBER OF STALLS

SIZED TO YOUR HERD

HOW IT WORKS

Cows enter in single file and stand side by side with their tails toward the milker. The unit is attached between the rear legs; milking starts when all stalls are full and the row is released together.

KEY FACTS

- COWS STAND AT 90° TO THE PIT
- 3 COWS IN THE LENGTH OF 2 HERRINGBONE STALLS
- FAST, BATCH ENTRY AND EXIT

MILK LINE

MILKING CLUSTERS	PULSATION	MILK METER	RECEIVER UNIT
1 PVC CLUSTER 240-340 CC	1 ELECTRONIC PULSATOR	1 MECHANICAL MILK METER	1 60 L RECEIVER + MILK TRANSFER PUMP
2 S/S CLUSTER 240-340 CC	2 PNEUMATIC PULSATOR	2 ELECTRONIC MILK METER	2 100 L RECEIVER + MILK TRANSFER PUMP

VACUUM LINE

- VACUUM PUMP(S)
- PVC PIPELINE
- VACUUM REGULATOR

WASHING LINE

- STAINLESS-STEEL PIPELINE
- WASHING TROUGHS

OPTIONAL

- HERD MANAGEMENT SYSTEM
- SWING-OVER ARM

STANDARD ACCESSORIES

- ELBOWS
- FITTINGS
- SCREWS

Key facts: typical values (FAO). Equipment list per configuration; final scope confirmed in your quotation.

PARLOUR EQUIPMENT

TAKE-OFF CYLINDER FOR AUTOMATIC CLUSTER REMOVAL



TAKE-OFF CYLINDER

REF. 151419801

FEATURES

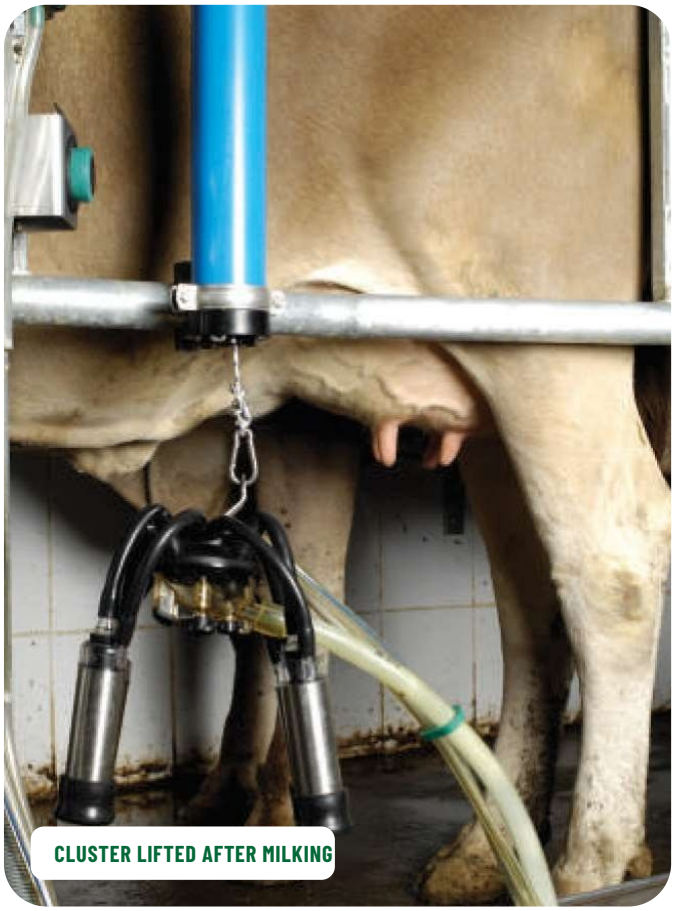
- HEAVY-DUTY PVC BODY
- STRONG PULL, MOVABLE PULLEY
- LONG-LIFE POLY ROPE
- SPECIAL DESIGN FOR EASY SERVICE

Lifts the cluster smoothly after milking.

TAKE-OFF CYLINDER IN USE



CONNECTING THE CLUSTER ROPE



CLUSTER LIFTED AFTER MILKING

01

MILK RECEIVERS

MILK RECEIVER UNITS

RECEIVER TANKS AND COMPLETE TRANSFER SETS



RECEIVER TANK



COMPLETE TRANSFER SET

MILK TRANSFER SET

VX8703585-10

INCLUDED IN THE SET

- 60 L RECEIVING JAR
- MILK TRANSFER PUMP 0.75 KW
- ELECTRONIC FLOAT
- SANITARY TRAP 10 L
- CHROME FILTER & NON-RETURN VALVE

RECEIVER TANKS

RECEIVER TANK	CAPACITY	CODE
Milk receiver tank	30 L	VX8703595
Milk receiver tank	50 L	VX8703596
Milk receiver tank	60 L	VX8703597
Milk receiver tank	100 L	VX8703599

FULL SET CONTENTS

1. RECEIVING JAR 60 L
2. MILK TRANSFER PUMP (THREE PHASE 0.75 KW)
3. OUTLET FOR MILK PUMP S/S Ø32 MM
4. NON-RETURN VALVE Ø32 MM
5. MILK TRANSFER PUMP WALL HOLDER (SET)
6. COVER FOR MILK PUMP
7. ELECTRONIC FLOAT
8. CHROME FILTER 720 × Ø32
9. SANITARY TRAP 10 L
10. RECEIVER INLET
11. S/S COUPLING SET Ø50 × 60
12. RUBBER ELBOW
13. RUBBER STOPPER OF RECEIVING Ø60

MILK RECEIVERS

RECEIVER PARTS & FILTERS

TRAP, FILTERS, INLETS AND SEALS



SANITARY TRAP 10 L

VX8703677



PLASTIC BALL Ø85

VX8703677-1



CHROME FILTER 720 × Ø40 MM

VX8703678



PAPER FILTER 620 × 57 MM

1 piece

VX8703678-2



RECEIVER INLET

VX8203335



RUBBER STOPPER OF RECEIVING Ø60

VX8403376



RUBBER MILK ENTRY 50 × 60

150411004



SIDE CONNECTION 50/63/70 × 76

150411015 / 19 / 16



RUBBER PLUG 60 / 76 MM

150411009 / 010



LEVEL CONTROLLER SEAL

150450161



MAGNETIC FLOAT

VX8703685



FLOAT PIPE RETAINING RUBBER

VX8703685-1

MILK METERS

MILK METERS & CONTROL

MEASURE EVERY ANIMAL · CONTROL EVERY PUMP

FLACO MILK METER

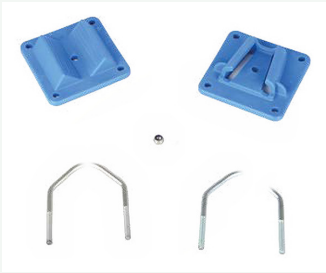
COWS & BUFFALO

VX8803688



- LARGE GRADUATED MEASURING JAR
- REPRESENTATIVE MILK SAMPLE
- FOR PARLOUR AND PIPELINE LINES
- WALL BRACKETS & U-BOLTS INCLUDED

MOUNTING KIT



FLACO MILK METER

SHEEP & GOATS

VX8803689



- SCALE SIZED FOR SMALL RUMINANTS
- REPRESENTATIVE MILK SAMPLE
- FOR PARLOUR AND PIPELINE LINES
- WALL BRACKETS & U-BOLTS INCLUDED

MOUNTING KIT



CONTROL PANELS & ACCESSORIES



LEVEL CONTROL PANEL
1.1 / 0.75 kW · mono or three phase

VX8703684-1 - 4



VACUUM & MILK PUMP PANEL
For vacuum pumps 2.2–7.5 kW

VX8703684-1 - 4



MILK OUTLET BOW · INOX

VX8803783



RUBBER GASKET

VX8803784

FITTINGS & CONNECTIONS

PIPELINE FITTINGS

RUBBER AND PLASTIC CONNECTORS, ELBOWS AND REDUCERS



RUBBER ELBOW

VX8203373



RUBBER T · Ø40

VX8203372



RUBBER CONNECTOR Ø40

VX8203374



RUBBER CONNECTOR Ø50

VX8203374-1



RUBBER CONNECTOR Ø60

VX8203374-2



REDUCING CONNECTOR

VX8203665



REDUCING CONNECTOR

VX8203375



PLASTIC CONNECTOR Ø51

VX8303382

SIZE GUIDE

PART	SIZE	CODE
Rubber elbow	Ø37 / Ø46 / Ø47	VX8203373 / -1 / -2
Rubber T	Ø40	VX8203372
Rubber connector	Ø40 / Ø50 / Ø60	VX8203374 / -1 / -2
Reducing connector	Ø30 × Ø15	VX8203665
Rubber connector	Ø50	VX8303326
Rubber connector	Ø38	VX8303326-1
Plastic connector	Ø51	VX8303382
Pipe holder bracket	140 × 33 mm · Ø22 pipe	VX8303378

FITTINGS & CONNECTIONS

END CAPS & PIPE HOLDERS

STOPPERS, END CAPS, BRACKETS AND S/S CONNECTIONS

END CAPS & STOPPERS



RUBBER STOPPER · EXIT Ø50 × 16

VX8403664



RUBBER STOPPER · EXIT Ø38 × 16

VX8403663



END CAP FOR PIPELINE Ø52

VX8403377



END CAP FOR PIPELINE Ø54

VX8403429



END CAP FOR PIPELINE Ø38

VX8403380



RUBBER CONNECTOR Ø50

VX8303326



RUBBER CONNECTOR Ø38

VX8303326-1



RECEIVER INLET

VX8203335

PIPE HOLDERS & S/S CONNECTIONS



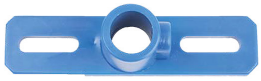
PIPE HOLDER WITH OUTLET

VX8503661



PIPE HOLDER WITH OUTLET

Ø32 / Ø40



PIPE HOLDER BRACKET

140 × 33 mm · Ø22 pipe

VX8303378



PIPE CONNECTION S/S 32-70

151450882 - 885

FITTINGS & CONNECTIONS

MILK INLETS

STAINLESS STEEL MILK INLETS AND GASKETS



MILK INLET 180° · VERTICAL

VX8503670



MILK INLET 180° · HOSE CLAMP

VX8503671



MILK INLET 90° · VERTICAL

VX8503672



MILK INLET 90° · HOSE CLAMP

VX8503673



MILK INLET 90° · PARALLEL

VX8503673-1



MILK INLET · STRAIGHT

VX8503674



MILK INLET · HOSE CLAMP

VX8503675



MILK ENTRY GASKET

VX8503676

INLET DIMENSIONS

MILK INLET	PIPE Ø	INLET Ø	CODE
180° · vertical	Ø50–52 mm	Ø18 mm	VX8503670
180° · hose clamp	Ø50–60 mm	Ø18 mm	VX8503671
90° · vertical	Ø50–52 mm	Ø18 mm	VX8503672
90° · hose clamp	Ø50–60 mm	Ø18 mm	VX8503673
90° · parallel	Ø50–60 mm	Ø18 mm	VX8503673-1
Straight	Ø50–52 mm	16 × 18 mm	VX8503674
Hose clamp	Ø50–52 mm	16 × 18 mm	VX8503675
S/S inlet 40/50 · 60/70	40–70 mm	-	151450804 / 805

MILK PUMPS

MILK TRANSFER PUMP

MOVES MILK FROM THE RECEIVER TO THE COOLING TANK



MILK TRANSFER PUMP

VX8703585

TECHNICAL DATA

CAPACITY	10 ton / hour
MOTOR	1.1 or 0.75 kW
SUPPLY	Mono or three phase
OUTLET	S/S Ø32 mm

Codes VX8703585 to -3 by motor.

PUMP PARTS & OUTLETS



WALL HOLDER (SET)

VX8703585-8



PUMP COVER

VX8703585-9



OUTLET ELBOW S/S Ø32

VX8703585-6



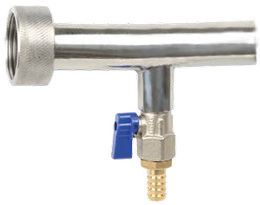
OUTLET S/S Ø32 · VALVE

VX8703585-7



OUTLET S/S Ø32

VX8703585-14



OUTLET S/S Ø32 · VALVE

VX8703585-15



NON-RETURN VALVE Ø32

VX8703659-1



SECTION

02 PULSATION SYSTEMS

ELECTRONIC AND PNEUMATIC PULSATION FOR EVERY SYSTEM

01. ELECTRONIC PULSATORS 24

02. PNEUMATIC PULSATORS 25

03. MECHANICAL PULSATORS 26

VORTEX DAIRY TECH.

02

PULSATION SYSTEMS

ELECTRONIC PULSATOR

SERVO-DIRECT · ALTERNATE OR SIMULTANEOUS

VORTEX DAIRY TECH.



PULSATION TYPE

ALTERNATE / SIMULTANEOUS

SUITABLE FOR

- **B** Bovine — Cows & buffalo
- **S** Small Rum. — Goats & sheep

FEATURES

- SEALED BODY, MOISTURE-PROOF
- FLUSH-CLEAN WITHOUT DISMANTLING
- LOW AIR AND POWER USE

TECHNICAL DATA

- VOLTAGE » **12 V DC or 24 V DC**
- CURRENT » **0.54 A (12 V) / 0.26 A (24 V)**
- VACUUM CONNECTION » **½" BSP female**
- AIR CONSUMPTION » **approx. 2 l/min**
- BODY » **thermoplastic resin**
- SIZE / WEIGHT » **85 × 90 × 105 mm · 0.4 kg**

CONTROLLER

- **R** RATE 55–180 /MIN
- **%** RATIO 50/50–70/30
- **C** EXTERNAL CONTROLLER

RECOMMENDED SETTINGS

ANIMAL	RATE (C/MIN)	RATIO	VACUUM (KPA)
Cows	60	60 : 40	42 – 48
Goats	90	60 : 40	36 – 40
Sheep	120	50 : 50 or 60 : 40	34 – 38

Typical data for servo-type electronic pulsators; settings from published milking research. Your installer sets final values.

PNEUMATIC PULSATORS

RELIABLE PULSATION WITHOUT ELECTRICITY



PULSATOR 60/40

VX610106

RATIO
60 : 40

COWS & BUFFALO



PULSATOR 50/50

VX610107

RATIO
50 : 50

GOATS & SHEEP



PULSATOR · BLUE

NEW

RATIO
ON REQUEST

ALL ANIMALS

SERVICE PARTS



PULSATOR BIG DIAPHRAGM

VX610103-2



PULSATOR SMALL DIAPHRAGM

VX610103-1



PULSATOR REPAIR KIT

VX610103

PULSATOR REFERENCES

ITEM	RATIO	ANIMAL	CODE
Pneumatic pulsator	60 : 40	Cows	VX610106
Pneumatic pulsator	50 : 50	Sheep & goats	VX610107
Pneumatic pulsator · blue	On request	All	On request
Repair kit (complete)	-	All	VX610103

02

PULSATION SYSTEMS

MECHANICAL PULSATORS

AIR-OPERATED PULSATORS · FOUR HOUSING TYPES



STAINLESS COVER

Polished stainless steel cover with rating label

60 : 40 COWS & BUFFALO



CLEAR WINDOW

Transparent cover - check the moving parts at a glance

60 : 40 COWS & BUFFALO



GREY ABS COVER

Impact-resistant plastic cover, inspection window

60 : 40 / 50 : 50 ALL ANIMALS



RED ABS COVER

Colour-coded plastic cover, inspection window

60 : 40 / 50 : 50 ALL ANIMALS

HOW A MECHANICAL PULSATOR WORKS

STEP	WHAT HAPPENS
1 Vacuum in	The central vacuum line feeds the pulsator through the vertical port.
2 Valve cycle	A vacuum-driven diaphragm shuttles an internal valve back and forth - no electronics needed.
3 Pulse out	Vacuum and air go alternately to the two outlets - the liners open and close around the teats.

CHOOSING A TYPE

TYPE	RATIO	BEST FOR
Stainless cover	60 : 40	Dairy cows and buffalo, parlours
Clear window	60 : 40	Easy visual service checks
Grey / red ABS cover	60 : 40 / 50 : 50	Cows, sheep and goats - choose ratio at order

Ratio and pulsation rate are set by the model supplied; ask us for the code of the type you need. Service parts: see the pneumatic pulsator page.



SECTION

03 MILKING CLUSTERS

LINERS, CLAWS, SHELLS, HOSES AND COMPLETE CLUSTER SETS

01. LINERS 28

02. CLAWS 160 / 240 / 340 CC 29

03. TEAT CUP SHELLS 32

04. RUBBER HOSES 33

05. CLUSTER SETS 34

VORTEX DAIRY TECH.

LINERS & MILK HOSES

RUBBER AND SILICONE, SHORT AND LONG

MILKING LINERS



SHORT LINER · RUBBER

VX110101



SHORT LINER · SILICONE

VX110101-1



LONG LINER · RUBBER

VX120101



LONG LINER · SILICONE

VX120102

RUBBER OR SILICONE?

	RUBBER LINER	SILICONE LINER
Service life	1,200 – 2,500 milkings	4,000 – 7,000 milkings
Resistance	Strong against knocks	Resists fat, ozone & chemicals
Surface	Wears with use	Stays smooth longer
Price	Lower	Higher, lasts 2–3× longer

MILK & VACUUM HOSES



SHORT MILK HOSE · RUBBER

VX210102



SHORT MILK HOSE · SILICONE

VX210102-1



LONG MILK HOSE · RUBBER / SILICONE

VX210101 / -1



SHORT VACUUM HOSE · RUBBER / SILICONE

VX210103 / -1

MILKING CLAWS

THREE SIZES · 160, 240 AND 340 CC







160 CC

VX140102

OVAL CLAW 160 CC

BODY	Oval, transparent bowl
MILK INLETS	Ø10 / Ø14 mm
MILK OUTLET	Ø18 mm
PARTS LIST	see claw parts 160 cc

240 CC

VX140105

OVAL CLAW 240 CC

BODY	Oval, transparent bowl
MILK INLETS	Ø10 / Ø14 mm
MILK OUTLET	Ø17 mm
WEIGHT	560 g

340 CC

CLAW 340 CC

BODY	Large transparent bowl
SHUT-OFF	Stainless valve pin
BASE	Black or transparent
USE	Parlours & clusters

CLAW SELECTION

CLAW	CAPACITY	MILK INLETS	OUTLET	WEIGHT	TYPICAL USE
Oval claw	160 cc	Ø10 / Ø14	Ø18	-	Portable machines
Oval claw	240 cc	Ø10 / Ø14	Ø17	560 g	Portable machines & parlours
Claw 340	340 cc	4 inlets	-	-	Higher-yield cows · parlour clusters

VERSIONS & SPARE BOWLS



CLAW · TRANSPARENT LID · 160 CC

VX140102-1



CLAW 340 CC · BLACK BASE



UPPER BOWL · 340 CC



BOTTOM BODY · 160 CC

Inlets Ø10 / Ø14

CLAW PARTS · 160 CC

EVERY PART OF THE CLAW, AVAILABLE SEPARATELY

VORTEX DAIRY TECH.

EXPLODED VIEW



NO	PART	CODE
1		CLAW BOWL · TRANSPARENT	VX140102-2
2		SHUT-OFF VALVE SET · WITH PIN	VX140102-3
3		SHUT-OFF VALVE · WITH PIN	VX140102-4
4		SHUT-OFF VALVE GASKET	VX140102-5
5		SHUT-OFF VALVE SET	VX140104-1
6		CLAW VALVE PIN · S/S	VX140104-2
7		SHUT-OFF RUBBER PLUG	VX140104-3
8		CLAW GASKET	VX140104-4
9		CLAW BOTTOM BOWL · TRANSPARENT	VX140104
10		BOTTOM BODY OF CLAW	

MILKING CLUSTERS

CLAW PARTS · 240 CC

COMPLETE SPARES FOR THE 240 CC OVAL CLAW

EXPLODED VIEW



NO	PART	CODE
1	 BOTTOM BODY OF CLAW	VX140105-1
2	 BOTTOM BODY	VX140105-2
3	 AIR DISTRIBUTOR	VX140105-3
4	 UPPER BODY OF CLAW	VX140105-4
5	 UPPER BODY WITH GASKET	VX140105-5
6	 SHUT-OFF VALVE SET	VX140105-6
7	 SHUT-OFF VALVE GASKET	VX140105-7
8	 SHUT-OFF VALVE	VX140105-8
9	 CLAW GASKET	VX140105-9
10	 CLAW HANGER	VX140105-10
11	 CLAW REMOVER HANGER	VX140105-12

TEAT-CUP SHELLS & CLUSTERS

SHELLS, SIGHT GLASSES AND SMALL-RUMINANT CLUSTERS

TEAT-CUP SHELLS



PLASTIC SHELL · RED

VX130108



PLASTIC SHELL · BLACK

VX130108-1



PLASTIC SHELL · BLUE

VX130108-2



PLASTIC SHELL · GREEN

VX130108-3



S/S SHELL · FULL TYPE

VX130109



METAL PIPE WEIGHT · S/S

VX130107

SHEEP & GOAT CLUSTERS



SHEEP CLUSTER · RUBBER

VX150103-1



GOAT CLUSTER · RUBBER

VX150101-1



SHEEP CLUSTER · SILICONE

VX150103



GOAT CLUSTER · SILICONE

VX150101

MILK SIGHT GLASS



MILK SIGHT GLASS

VX130114-2



MILK SIGHT GLASS

VX130114



MILK SIGHT GLASS

VX130114-1



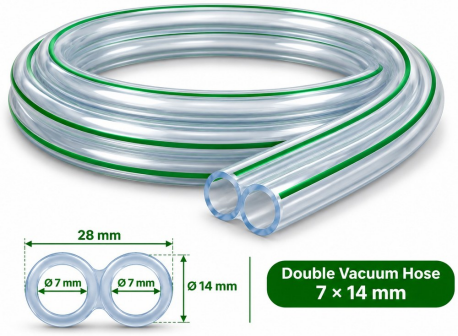
SINGLE MILK HOSE
14 × 22 / 16 × 25 / 19 × 32 mm · clear with green line

VX210104 / -1



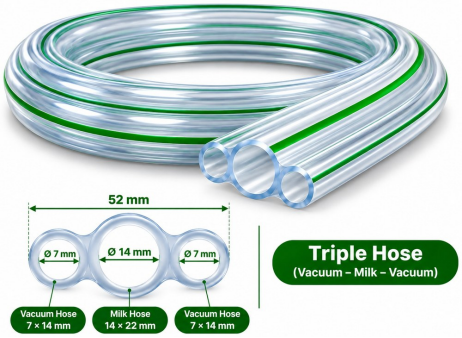
PULSE HOSE
7 × 14 mm · clear with green line

VX210104-4



DOUBLE VACUUM HOSE
2 × Ø7 / 14 mm · 28 × 14 mm profile

VX210104-2



TRIPLE HOSE · VACUUM – MILK – VACUUM
Milk 14 × 22 + 2 × vacuum 7 × 14 mm · 52 mm

VX210104-3

HOSE REFERENCES

REF.	HOSE	INSIDE Ø	OUTSIDE Ø	COLOUR
3272 / -2 / -3	Single milk hose	14	22	Clear / black / blue
3434 / -2 / -3	Single milk hose 14 × 24	14	24	Clear / black / blue
3442	Single milk hose	16	25	Clear
3443	Single milk hose	19	32	Clear
3444 / -2 / -3	Single milk hose 16 × 26	16	26	Clear / black / blue
3271 / -2 / -3	Pulse / double vacuum hose	7	14	Clear / black / blue
3273	Triple hose	14	22	Clear

MILKING CLUSTERS

MILKING CLUSTER SETS

COMPLETE CLUSTERS WITH 340 CC CLAW · READY TO FIT



COMPLETE CLUSTER

Ready-to-fit cluster for cows and buffalo, assembled and tested.

IN EVERY SET

- 340 CC CLAW WITH SHUT-OFF
- 4 TEAT-CUP SHELLS
- 4 LINERS
- SHORT MILK & PULSE HOSES

CHOOSE

S Shell — S/S · PVC	**L** Liner — Rubber · silicone



CLEAR SHELLS · SILICONE LINERS
Transparent PVC shells · silicone liners



S/S SHELLS · RUBBER LINERS
Stainless steel shells · rubber liners



BLUE SHELLS · RUBBER LINERS
Blue PVC shells · rubber liners



BLACK SHELLS · RUBBER LINERS
Black PVC shells · rubber liners

CLUSTER SET	SHELL	LINER	CLAW	ANIMAL
S/S Shells · Silicone Liners	Stainless steel	Silicone	340 cc	Cows & buffalo
Clear Shells · Silicone Liners	Transparent PVC	Silicone	340 cc	Cows & buffalo
S/S Shells · Rubber Liners	Stainless steel	Rubber	340 cc	Cows & buffalo
Blue Shells · Rubber Liners	Blue PVC	Rubber	340 cc	Cows & buffalo
Black Shells · Rubber Liners	Black PVC	Rubber	340 cc	Cows & buffalo

03

MILKING CLUSTERS

CLUSTER SETS 240 CC

WEIGHTED SHELLS · LONG RUBBER LINERS · THREE COLOURS



BLUE SHELLS

240 cc claw · long rubber liners



RED SHELLS

240 cc claw · long rubber liners



BLACK SHELLS

240 cc claw · long rubber liners

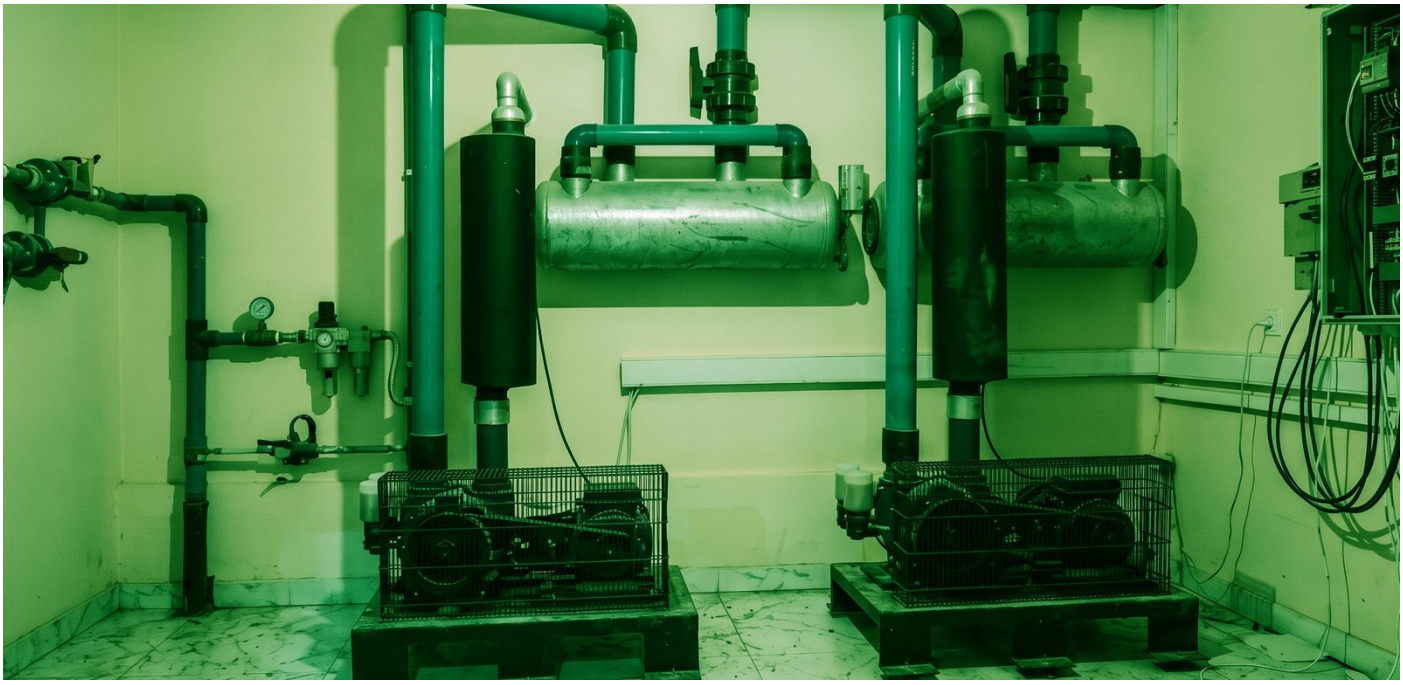
WHAT IS IN EVERY SET

1. 240 CC CLAW WITH SHUT-OFF
2. 4 WEIGHTED TEAT-CUP SHELLS
3. 4 LONG-TYPE RUBBER LINERS
4. SHORT MILK AND PULSE HOSES

CLUSTER SET REFERENCES

CLUSTER SET	SHELL	LINER	CLAW	ANIMAL
240 cc · blue shells	Blue, weighted	Rubber, long	240 cc	Cows & buffalo
240 cc · red shells	Red, weighted	Rubber, long	240 cc	Cows & buffalo
240 cc · black shells	Black, weighted	Rubber, long	240 cc	Cows & buffalo

Heavier shells keep the cluster seated on the udder. Codes on request.



SECTION 04

VACUUM SYSTEMS

VACUUM UNITS, PUMP HEADS, REGULATORS AND ACCESSORIES

01. VACUUM PUMPS 37

02. VACUUM TANKS 46

03. REGULATORS - GAUGES 47

04. AIR DISTRIBUTION 47

05. VANES - SILENCERS 48

06. LUBRICATORS 48

VORTEX DAIRY TECH.

VACUUM SYSTEMS

COMPACT VACUUM UNITS

TANK-MOUNTED UNITS FOR BUCKET AND SMALL PIPELINE SYSTEMS



OILED 350

REF. 152361001

TECHNICAL DATA

MOTOR	1.1 kW · 220 V
VACUUM PUMP	350 l/min · oiled
VACUUM TANK	30 l
TANK FINISH	Hot-dipped galv.

For cows, sheep and goats.

THE RANGE



DRY 180
180 l/min · dry

REF. 151311802



OILED 180
180 l/min · oiled

REF. 151311820



DRY 230
230 l/min · dry

REF. 152361006



OILED 230
230 l/min · oiled

REF. 152361005

MODEL	REFERENCE	MOTOR	VACUUM PUMP	VACUUM TANK
DRY 180	151311802	0.75 kW · 220 V 50 Hz	180 l/min · dry	18 l · electrogalvanised
OILED 180	151311820	0.75 kW · 220 V 50 Hz	180 l/min · oiled	18 l · electrogalvanised
DRY 230	152361006	1.1 kW · 220 V 50 Hz	230 l/min · dry	18 l · electrogalvanised
OILED 230	152361005	1.1 kW · 220 V 50 Hz	230 l/min · oiled	18 l · electrogalvanised
OILED 350	152361001	1.1 kW · 220 V 50 Hz	350 l/min · oiled	30 l · hot-dipped galvanised

PARLOUR VACUUM UNITS

BELT-DRIVEN, OIL-LUBRICATED VANE PUMPS



VRX 600 / VRX 750

Oil-lubricated vane pump on a 45 l hot-dipped galvanised tank. Inlet 40 mm, outlet 50 mm.

VACUUM UNIT	VRX 600	VRX 750
Reference	152461007	152461001
Capacity l/min	600	750
Pump pulley mm	17 × 150	17 × 150
Pump rpm	1166	1435
Motor pulley mm	17 × 125	17 × 150
Motor rpm	1400	1435
Electric motor	2.2 kW · 220 V	2.2 kW · 380 V



VRX 1200 / VRX 1500

Tank-mounted unit with silencer on a 55 l hot-dipped galvanised tank. Inlet 63 mm, outlet 76 mm.

VACUUM UNIT	VRX 1200	VRX 1500
Reference	-	152461003
Capacity l/min	1200	1500
Pump pulley mm	17 × 150	17 × 150
Pump rpm	1071	1348
Motor pulley mm	17 × 112	17 × 140
Motor rpm	1435	1445
Electric motor	3 kW · 380 V	4 kW · 380 V

PARLOUR VACUUM UNITS

BELT-DRIVEN, OIL-LUBRICATED VANE PUMPS



VRX 1600 / VRX 2000

Frame-mounted unit with belt guard and tall silencer for larger parlours.

VACUUM UNIT	VRX 1600	VRX 2000
Reference	-	152461022
Capacity l/min	1600	2000
Pump pulley mm	17 × 150-2	17 × 150-2
Pump rpm	950	1262
Motor pulley mm	17 × 100-2	17 × 132-2
Motor rpm	1445	1435
Electric motor	4 kW · 380 V	5.5 kW · 380 V



VRX 2400 / VRX 3000

Our highest-capacity units, on a galvanised frame with full belt guard.

VACUUM UNIT	VRX 2400	VRX 3000
Reference	-	152461016
Capacity l/min	2400	3000
Pump pulley mm	17 × 170-2	17 × 150-2
Pump rpm	845	1095
Motor pulley mm	17 × 100-2	17 × 112-2
Motor rpm	1435	1465
Electric motor	5.5 kW · 380 V	7.5 kW · 380 V

VACUUM SYSTEMS

VACUUM PUMPS WITH ENGINE

FOR PORTABLE MACHINES · AND HOW TO SIZE A PARLOUR PUMP



DRY PUMP



OIL PUMP

PUMP TYPES

D Dry — Graphite vanes

O Oil — Fiber vanes

ENGINE

SUPPLY	220 V
SPEED	1450 rpm
POWER	0.55 / 0.75 kW

CODE	CAPACITY	TYPE	ENGINE
VX8776766	200 l/min	Dry	0.55 kW · 220 V · 1450 rpm
VX8776766-1	200 l/min	Oil	0.55 kW · 220 V · 1450 rpm
VX8786767	240 l/min	Dry	0.75 kW · 220 V · 1450 rpm
VX8786767-1	240 l/min	Oil	0.75 kW · 220 V · 1450 rpm

PARLOUR PUMP SELECTION GUIDE

MILKING UNITS	COWS / HOUR	PUMP CAPACITY	SUGGESTED UNIT
6 – 8	approx. 80	750 l/min	VRX 750
10 – 12	approx. 100	1000–1200 l/min	VRX 1200
14 – 20	approx. 100	1500 l/min	VRX 1500
20 – 30	approx. 150	2000 l/min	VRX 2000
30 – 40	approx. 200	2500–3000 l/min	VRX 3000

Guide only, based on oil-type parlour pump ratings. Pipeline length and options can change the size you need.

YV

VACUUM SYSTEMS

YUVAC VACUUM PUMP HEADS

SPARE PUMP HEADS FOR VRX UNITS · SILENCER INCLUDED

VORTEX DAIRY TECH.



YUVAC 750

REF. 1514618101

INLET	OUTLET	SILENCER
1 1/4"	1 1/4"	Included



YUVAC 1500

REF. 151461802

INLET	OUTLET	SILENCER
2"	2"	Included



YUVAC 2000

REF. 151461827

INLET	OUTLET	SILENCER
2 1/2"	2"	Included



YUVAC 3000

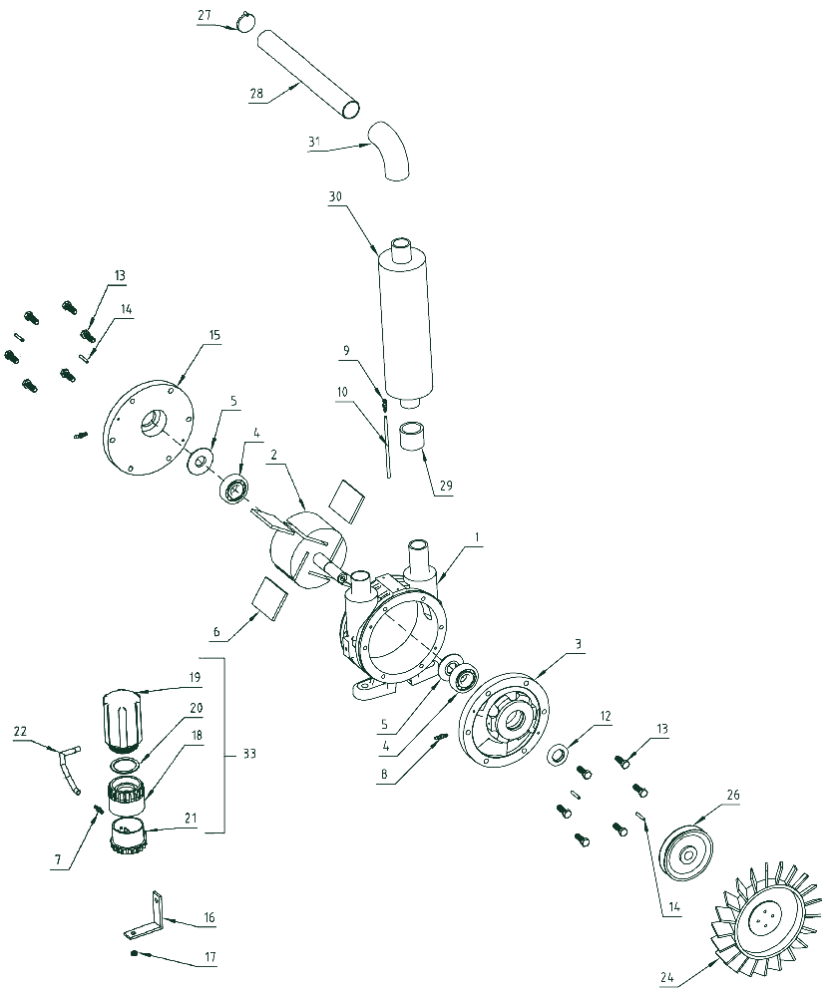
REF. 151461815

INLET	OUTLET	SILENCER
3"	3"	Included

PUMP HEAD	REFERENCE	INLET	OUTLET	USED ON
YUVAC 750	1514618101	1 1/4"	1 1/4"	VRX 600 / 750
YUVAC 1500	151461802	2"	2"	VRX 1200 / 1500
YUVAC 2000	151461827	2 1/2"	2"	VRX 1600 / 2000
YUVAC 3000	151461815	3"	3"	VRX 2400 / 3000

YUVAC 750 · SPARE PARTS

EXPLODED VIEW AND PART REFERENCES



NO	REFERENCE
1	151461012
2	151461015
3	151461014
4	150461040
5	151461023
6	150461034
7	150361062
8-9	151461008
10-22	150361030
12	150461029
13	150461037
14	150461067
15	151461013
16	151461817

NO	REFERENCE
17	150350040
18	150361033
19	150361017
20	150361036
21	150361034
24	150461115
26	150461053
27	151461016
28	151461024
29	150461044
30	151461007
31	150461129
33	150361018



YUVAC 750

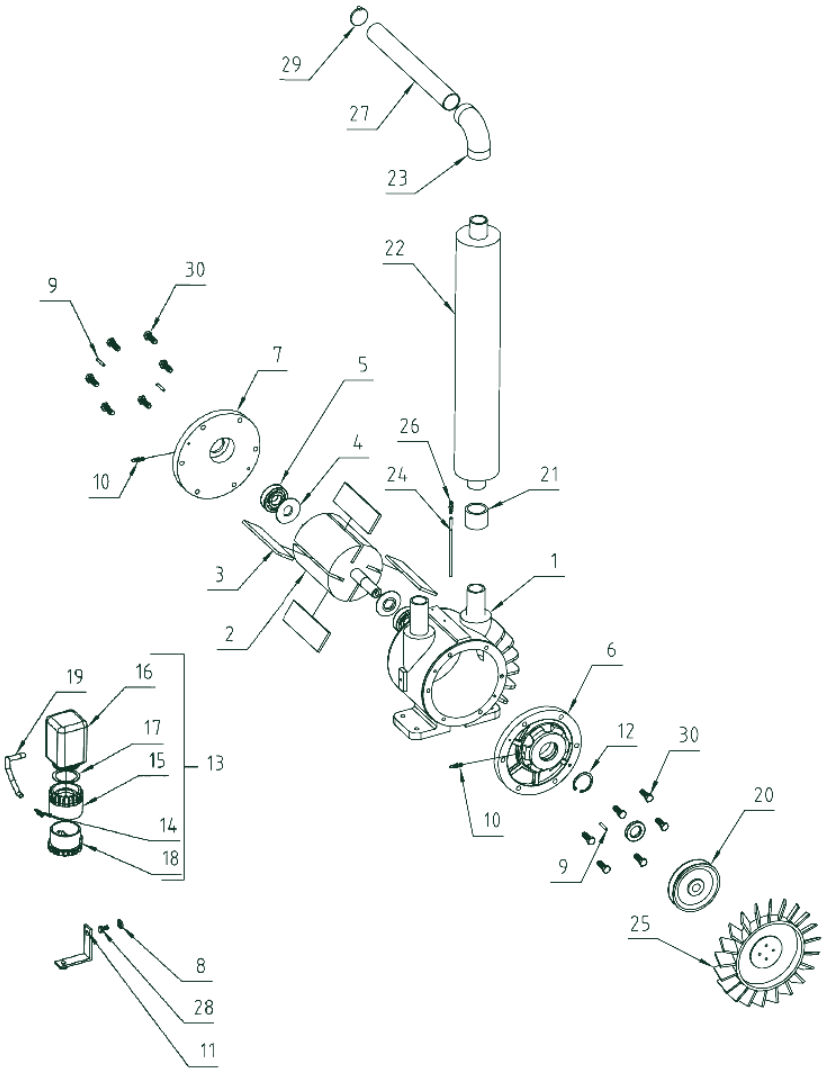
REF. 1514618101

INLET	OUTLET	SILENCER
1 1/4"	1 1/4"	Included

Quote the reference number when ordering a spare part.

YUVAC 1500 · SPARE PARTS

EXPLODED VIEW AND PART REFERENCES



NO	REFERENCE
1	151461804
2	151461805
3	150461160
4	151461023
5	150461040
6	151461825
7	151461824
8	150350039
9	150461067
10	151461008
11	151461817
12	150361015
13	150361018
14	150361062
15	150361033
16	150361017

NO	REFERENCE
17	150361036
18	150361034
19	150361030
20	150461053
21	150461075
22	151461803
23	150461130
24	150618003
25	150461115
26	150461132
27	151461026
28	150361021
29	151461025
30	150461037
31	150461029



YUVAC 1500

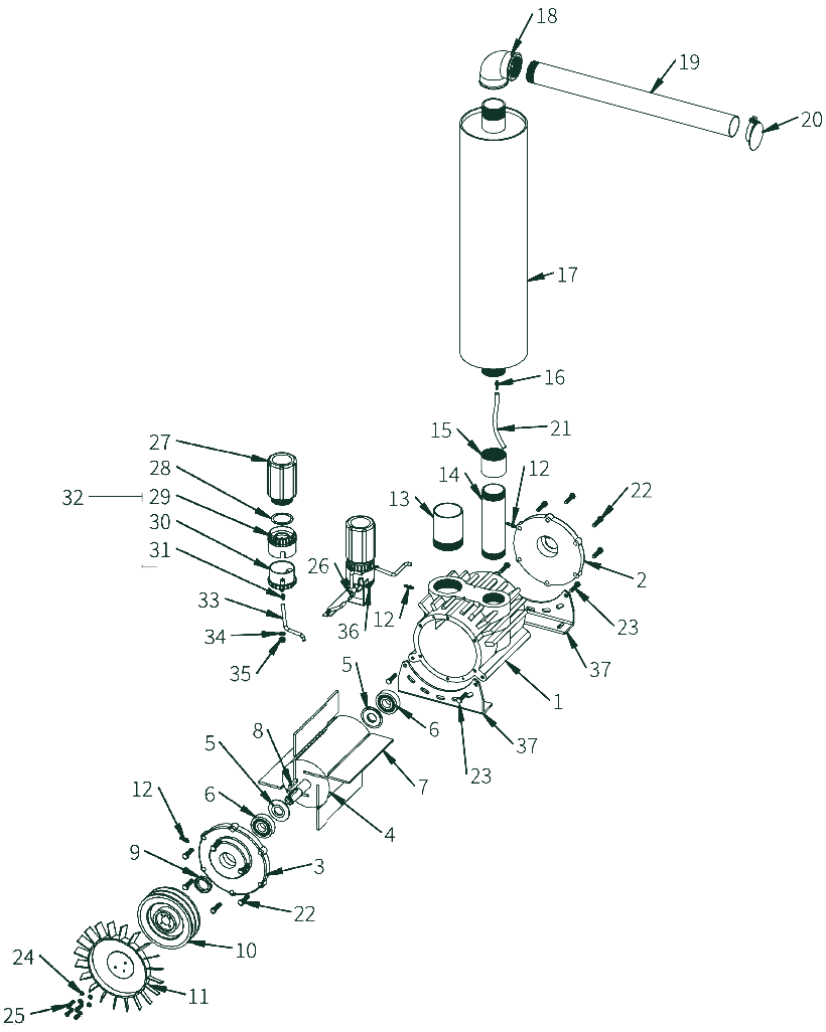
REF. 151461802

INLET	OUTLET	SILENCER
2"	2"	Included

Quote the reference number when ordering a spare part.

YUVAC 2000 · SPARE PARTS

EXPLODED VIEW AND PART REFERENCES



NO	REFERENCE
1	151461831
2	151461829
3	151461830
4	151461828
5	151461023
6	150461040
7	150461215
8	150461127
9	150461029
10	150461155
11	150461115
12	151461008
13	150423047
14	150461148
15	150461075
16	150461132
17	151361023
18	150461130
19	151461026

NO	REFERENCE
20	151461025
21	150618003
22	150423004
23	150461154
24	150361023
25	150311015
26	150461186
27	150361017
28	150361036
29	150361033
30	150361034
31	150361062
32	150361018
33	150361030
34	150419017
35	150461010
36	151461818
37	151461040



YUVAC 2000

REF. 151461827

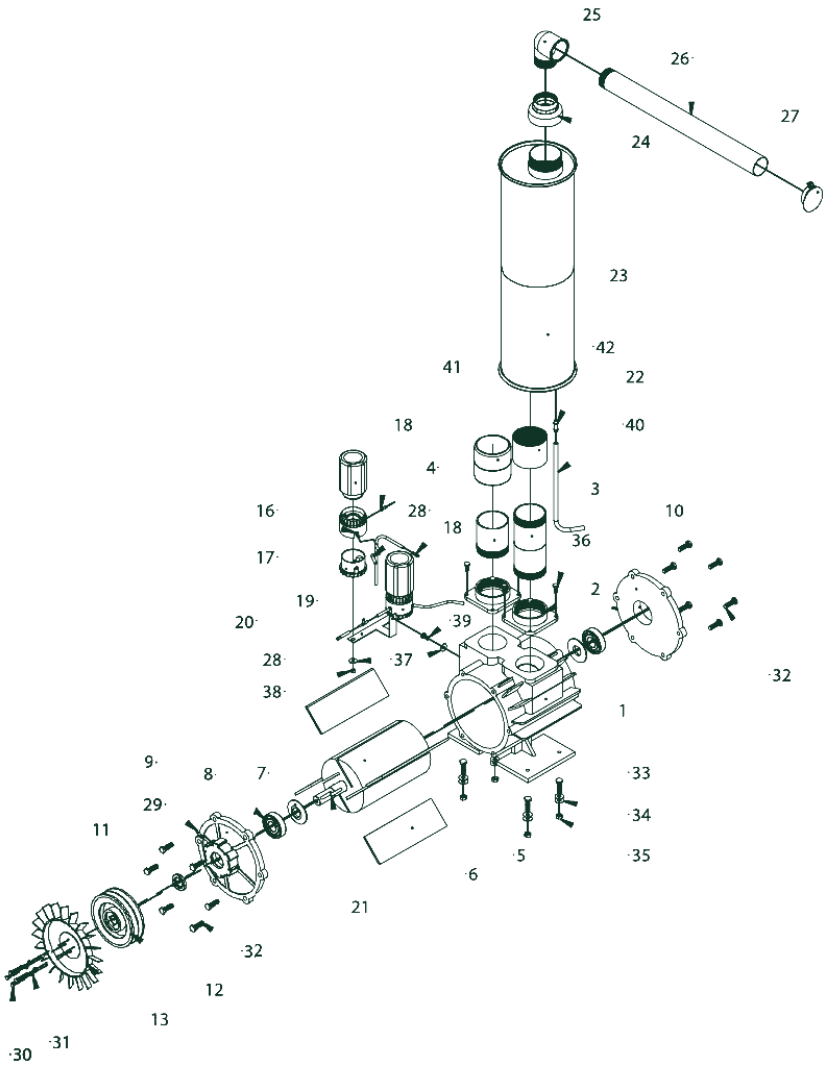
INLET	OUTLET	SILENCER
2 1/2"	2"	Included

Quote the reference number when ordering a spare part.

VACUUM SYSTEMS

YUVAC 3000 · SPARE PARTS

EXPLODED VIEW AND PART REFERENCES



NO	REFERENCE
1	151461810
2	151461813
3	150423048
4	150423048
5	151461809
6	150461028
7	151461033
8	150461167
9	151461812
10	151461811
11	150461198
12	150461178
13	150461115
14	150361017
15	150361036
16	150361033
17	150361034
18	150361062
19	150361018
20	151461818
21	150361041

NO	REFERENCE
22	150461188
23	151461819
24	150461189
25	150461074
26	151461026
27	151461025
28	150361030
29	151461008
30	150311015
31	150361023
32	150423004
33	150611020
34	150611012
35	150611013
36	150350036
37	150419017
38	150461010
39	150361021
40	150618003
41	150461085
42	150461132



YUVAC 3000

REF. 151461815

INLET	OUTLET	SILENCER
3"	3"	Included

Quote the reference number when ordering a spare part.

VACUUM TANKS · LIDS & GASKETS

SEALING PARTS FOR VACUUM TANKS



VACUUM TANK LID

VX440101



VACUUM TANK LID · BIG · TRANSPARENT

VX440101-3



VACUUM TANK LID GASKET

VX440101-1



SIDE LID GASKET · BIG TYPE

VX440101-2



VACUUM TANK GASKET

VX440101-5



VACUUM TANK GASKET

VX440101-6



OUTER GASKET · VACUUM TANK

VX8903547



INNER GASKET · VACUUM TANK

VX8903546

REFERENCES

PART	TYPE	CODE
Vacuum tank lid	Standard	VX440101
Vacuum tank lid	Big · transparent	VX440101-3
Lid gasket	Standard	VX440101-1
Side lid gasket	Big type	VX440101-2
Vacuum tank gasket	-	VX440101-5 / -6
Vacuum tank gasket	Outer / inner	VX8903547 / VX8903546

REGULATORS, GAUGES & AIR

CONTROL AND MONITOR THE VACUUM LEVEL

REGULATORS & GAUGES



SERVO REGULATOR · BIG PUMPS

VX430105-1



VACUUM REGULATOR

VX430105



VACUUM METER Ø63 · BLACK

VX430107



VACUUM METER Ø100 · BLACK

VX430107-1

AIR DISTRIBUTION



PULSATOR ADAPTER · SLIDE

VX8603696-1



PULSATOR ADAPTER KIT

VX8603696



HOSE HOLDER

VX8603696-2



CHASSIS TOP PLUG Ø73

VX510107

VACUUM GAUGE DATA

GAUGE	DIAL	SCALE	CODE
Vacuum meter	Ø 63 mm	-1 ... 0 bar	VX430107
Vacuum meter	Ø100 mm	-1 ... 0 bar	VX430107-1

VACUUM SYSTEMS

VANES & LUBRICATORS

WEAR PARTS FOR DRY AND OIL VANE PUMPS



GRAPHITE VANES · DRY PUMP

Seven sizes. Replace the full set at the same time.



FIBER VANES · OIL PUMP

Seven sizes. Replace the full set at the same time.

CODE	SIZE (MM)
VX410115	4.90 × 43 × 70
VX410116	4.90 × 43 × 75
VX410117	4.90 × 40 × 65
VX410118	4.90 × 41 × 70
VX410119	4.90 × 41 × 85
VX410120	4.90 × 43 × 80
VX410121	6.00 × 46 × 70

CODE	SIZE (MM)
VX510115	4.90 × 43 × 70
VX510116	4.90 × 40 × 65
VX510117	4.90 × 41 × 70
VX510118	4.90 × 41 × 85
VX510119	6.00 × 46 × 70
VX510120	4.90 × 43 × 75
VX510121	4.90 × 43 × 80

LUBRICATORS



LUBRICATOR 0.5 L

VX430109



LUBRICATOR 1 L

VX430110



WASTE OIL TANK

VX430109-1



LUBRICATOR GASKET

VX440111-1



SECTION 05

WASHING SYSTEMS

CLUSTER WASHING, WATER TANKS AND ACCESSORIES

01. WASHING DEVICES 50

02. WATER TANKS 51

03. ACCESSORIES 51

VORTEX DAIRY TECH.

CLUSTER WASHING DEVICES

WASHER SETS, TRAYS AND WASHING-HEAD PARTS



CLUSTER WASHER SET

VX8107033



CLUSTER WASHER SET

VX8107033-1



FOLDABLE WASHING TRAY

VX8107039



FOLDABLE WASHING TRAY

VX8107039-1



CLUSTER WASHER SET

VX8103345



CLUSTER WASHER SET

VX8103346



SHUT-OFF VALVE SET

VX8103346-1



WASHER STICK

VX8103346-2



WASHER NUT

VX8103346-3



WASHER BODY COLLAR Ø40 / Ø50

VX8103346-4 / -5



END CAP FOR WASHER PIPE

VX8103322



E-TUBE OF CLUSTER WASHER

VX8103319

WATER TANKS & ACCESSORIES

WASHING TROUGHS, VALVES AND CLEANING PARTS



S/S WASHING TROUGH

VX8803779 / -1 / -2

CAPACITY

100 L | 150 L | 200 L

WITH STAND



PLASTIC WASHING TROUGH

VX8803780

CAPACITY

80 L

WITH STAND

WASHER PARTS, VALVES & CLIPS



E-TUBE OF CLUSTER WASHER

VX8103346-6



RUBBER CUP OF WASHER

VX8103346-7



PLASTIC SPRAYER · 4 WAYS

VX8103346-8



WASHER STICK

VX8103346-9



MINI VALVE ½" × Ø16

VX510111



MINI VALVE Ø16 × Ø16

VX510111-2



TUBE CLIP · S-TYPE

VX510108



TUBE CLIP

VX510108-2



MILK STOPPER

VX510122



CLEANING BRUSH · LONG

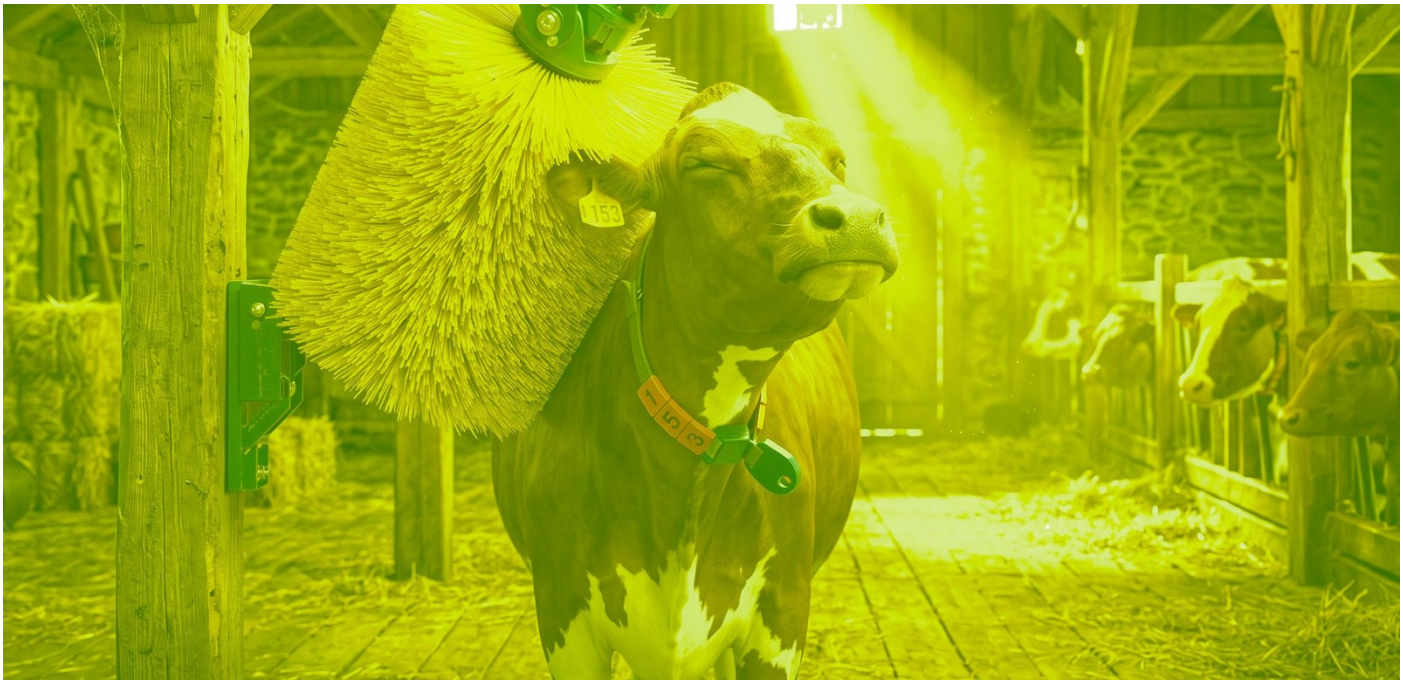


CLEANING BRUSH · SHORT



SHUT-OFF VALVE SET

VX8103346-1



SECTION

06 FARM EQUIPMENT

COW COMFORT, FEEDING, WATER, VENTILATION AND COOLING

01. COW BRUSHES, MATS & STALLS 53

02. FEED FRONTS & HEADLOCKS 55

03. CALF FEEDING & CARE 56

04. UDDER HEALTH & MILK HANDLING 58

05. MILK CHURNS & BUCKETS 60

06. BARN FANS & HVLS 61

07. WATER BOWLS & TROUGHS 63

08. MANURE MANAGEMENT 66

09. MILK COOLING TANKS 67

VORTEX DAIRY TECH.

06

FARM EQUIPMENT

COW BRUSHES

AUTOMATIC BRUSHES FOR CLEAN, CALM AND HEALTHY COWS

VORTEX DAIRY TECH.

NEW



SCRATCHING BRUSH

VORTEX ROTATING BRUSH

WHY COWS LOVE IT

A large vertical brush that cows use to scratch head, neck and back. It cleans the coat, improves blood flow and keeps the herd calm.

FEATURES

- LARGE YELLOW BRISTLE DRUM
- SWING-ARM DRIVE ON STEEL STAND
- POWDER-COATED VORTEX BLUE FRAME
- STARTS WHEN THE COW PUSHES IT

B Bovine
Cows & heifers

F Barn
Free-stall & loose housing

MORE BRUSH MODELS



SWINGING COW BRUSH

500 × 700 mm · 220 V · two-way rotation

VX9503577



ROTARY COW BRUSH

Ø50 × 65 cm · 0.25 kW · 220 V

VX-F1



BRISTLE SET

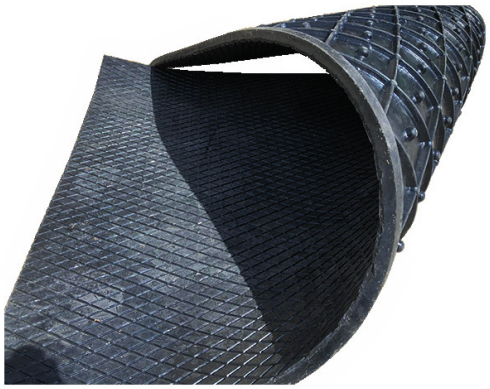
Any combination of 3 colours

VX9503577-1

BRUSH	BRUSH SIZE	DRIVE	SUPPLY	CODE
Scratching brush (new)	Large drum	Swing-arm motor	-	On request
Swinging cow brush	500 × 700 mm	Italian reducer	220 V	VX9503577
Rotary cow brush	Ø 500 × 650 mm	0.25 kW motor	220 V	VX-F1

MATS, STALLS & GATES

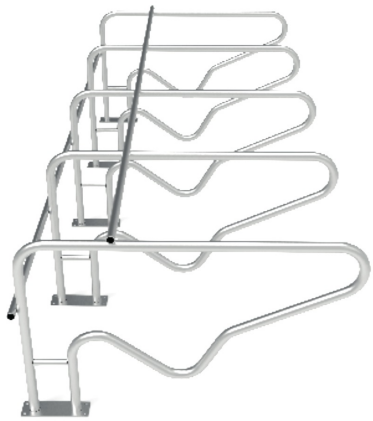
COMFORTABLE LYING AREAS AND SAFE ANIMAL MOVEMENT



COW MAT

110 × 190 × 2 cm · 28 kg · reinforced rubber compound

VX-HY1

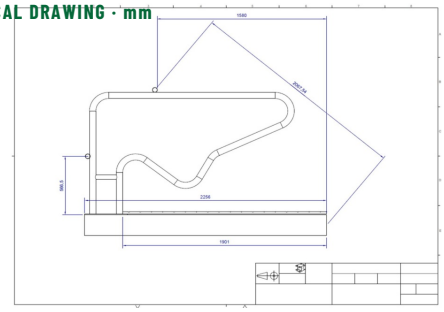


ADJUSTABLE FREE STALLS

120 × 190 cm · pipe Q60 / Q42 · hot-dip galvanized · 2 clamps + 4 dowels

VX-D1

TECHNICAL DRAWING · mm







PADDOCK GATES

3, 4 or 5 rails · height 115 cm

VX-K1

GATE	DATA
Rails	3 – 4 – 5
Height	115 cm
Pipes	60×60×2.5 · Ø 60×2.5 · Ø 48×2.5 mm
Length (m)	1/2 · 2/3 · 3/4 · 4/5 · 5/6 · 6/7
Finish	Hot-dip galvanized

PRODUCT	SIZE	MATERIAL	CODE
Cow mat	110 × 190 × 2 cm · 28 kg	Reinforced rubber	VX-HY1
Adjustable free stall	120 × 190 cm	Hot-dip galvanized steel	VX-D1
Paddock gate	H 115 cm · 1–7 m	Hot-dip galvanized steel	VX-K1

06

FARM EQUIPMENT

FEED FRONTS & HEADLOCKS

SELF-LOCKING FEED BARRIERS IN HOT-DIP GALVANIZED STEEL

VORTEX DAIRY TECH.



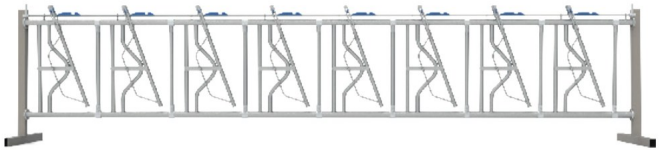




SWEDISH SELF-LOCKING FEED FRONT

VX-BY2

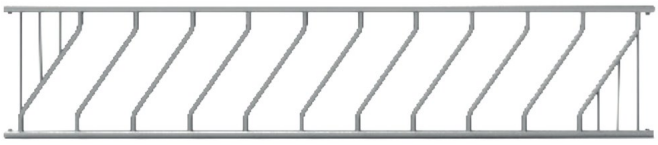
LENGTH · PLACES	6 m · 8 / 3 m · 4
PIPES	60×60×2.5 · Ø48×2.5 mm
FINISH	Hot-dip galvanized



FEED FRONT FOR CATTLE

VX-BY3

LENGTH · PLACES	6 m · 8 / 3 m · 4
HEIGHT	96 cm · adjustable spacing
PIPES	Ø48×3 · Ø60×2.5 · Ø42×2.5 mm

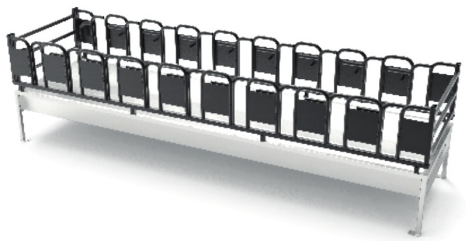


DIAGONAL FEED FRONT

VX-BY1

LENGTH · PLACES	6 m · 12 / 3 m · 5
HEIGHT	100 cm · adjustable spacing
PIPES	Ø48×3 · Ø60×2.5 · Ø42×2.5 mm

FOR SHEEP & GOATS



SHEEP & GOAT FEEDER WITH LOCKING

80 × 300 × 80 cm · trough 80 × 300 × 18 cm · galvanized DX51

VX-KY2



SHEEP & GOAT FEED RACK

70 × 200 × 120 cm · hot-dip galvanized

VX-KY1

CALF & LAMB FEEDING

MILK TAXI, FEEDERS, BOTTLES AND NIPPLES



MILK TAXI

Mobile stainless steel milk tank for feeding calves: mix, carry and dose milk where the calves are.

- STAINLESS STEEL TANK & LID
- ELECTRIC MIXER
- DOSING HOSE & BOTTOM TAP
- PNEUMATIC WHEELS

FEEDERS & BOTTLES



CALF FEEDER 8 L

VX710111



LAMB BUCKET FOR 3 - 8 L

VX710116



FEEDING BOTTLE 3.5 L

VX710102



BACK METAL HOLDER

VX710116-1



LAMB NIPPLE FOR 3

VX710118



FEEDING BUCKET VALVE

VX710113

CALF & BUCKET NIPPLES









NIPPLE	BLACK	SILICONE	RED
Calf nipple	VX710110	VX710110-1	VX710110-2
Calf nipple	VX710104	VX710104-1	VX710104-2
Bucket nipple	VX710112	VX710112-1	VX710112-2

CALF & CATTLE CARE

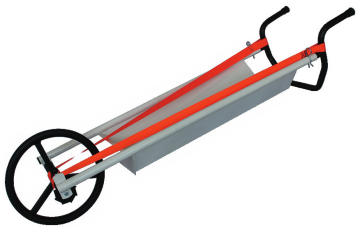
HUTCHES, CALVING AIDS, HANDLING AND WEIGHING



CALF HUTCH WITH FENCE

Hutch 124 × 160 × 125 cm · fence 120 × 120 × 100 cm

VX-BD3



CALF PULLER · TROLLEY

Closed length 160 cm · electrostatic paint

VX-BD1



CALF PULLER · JACK

150 or 180 cm · 304 stainless steel

VX-BD2



COW LIFTING FRAME

Capacity 900 kg

VX-V1



COW IMMOBILISER

Ø27 – Ø32 pipe · electro-galvanized

VX-V2



CATTLE WEIGHING SCALE

100 × 120 × 200 cm · 2000 kg

VX-BT1

TECHNICAL DATA

PRODUCT	SIZE / CAPACITY	MATERIAL	CODE
Calf hutch	Hutch 124 × 160 × 125 · fence 120 × 120 × 100 cm	PE · galv. fence	VX-BD3
Calf puller · trolley	Closed 160 cm · trough 44 cm · hip 38 cm	Painted steel	VX-BD1
Calf puller · jack	150 or 180 cm	304 S/S	VX-BD2
Cow lifting frame	900 kg	Painted steel	VX-V1
Cow immobiliser	Pipe Ø 27 – Ø 32	Electro-galv.	VX-V2
Cattle scale	100 × 120 × 200 cm · 2000 kg	Painted steel	VX-BT1

UDDER HEALTH & HYGIENE

DIP CUPS, DETECTORS AND MILKING-TIME TOOLS



TEAT DIP CUP

NON-RETURN

FEATURES

- NON-RETURN VALVE KEEPS THE DIP CLEAN
- TYPICAL VOLUME APPROX. 300 ML
- FOR PRE- AND POST-MILKING DIP
- EASY-GRIP RED CUP, CLEAR BOTTLE

DETECTION & SAFETY



MASTITIS DETECTOR

VX9503575



MILK DETECTOR

VX9503569



ALUMINIUM MILK STRAINER

VX9503568



ANTI-KICK BAR

VX9503320

GOOD MILKING ROUTINE

1

PRE-DIP

Dip every teat before milking to clean and disinfect.

2

FORE-STRIP

Check the first milk in a detector cup for clots or flakes.

3

ATTACH & MILK

Wipe dry, attach the cluster and milk out fully.

4

POST-DIP

Dip right after cluster removal to protect the open teat canal.

MILK HANDLING & CREAM

TRANSPORT LIDS, BUTTER CHURN AND MEASURING TOOLS



CHURNING MACHINE

VX885505

FEATURES

- ELECTRIC BUTTER CHURN
- PATENTED DESIGN
- UP TO 11% MORE BUTTER

TRANSPORT LIDS



30 L · BLACK

VX320104



40 L · BLACK

VX320102



50 L · BLACK

VX320102-2



30 L · WHITE

VX320104-1



40 L · WHITE

VX320102-1



50 L · WHITE

VX320102-3

MEASURING TOOLS



S/S MILK METER 20 L

VX9503567



ALUMINIUM BUCKET 10 L

VX9503573



ALUMINIUM MILK METER 1 L

VX9503681



ALUMINIUM MILK METER ½ L

VX9503682

06

FARM EQUIPMENT

MILK CHURNS & BUCKETS

ALUMINIUM AND STAINLESS STEEL, 10 TO 50 LITRES

VORTEX DAIRY TECH.



ALUMINIUM CHURN · LOCKING LID

10 – 50 L



ALUMINIUM CHURN · OPEN TOP

10 – 50 L



ALUMINIUM BUCKET 20 L

VX330108-1



STAINLESS STEEL CHURN

20 – 50 L



S/S CHURN · LOCKING LID

20 – 50 L



S/S MILK BUCKET 10 L

VX330105-1

ALUMINIUM · LOCKING LID

L	BASE Ø	OPENING Ø	HEIGHT	WEIGHT
10	250	180	330	2.5 kg
20	300	180	420	3.5 kg
25	300	180	495	3.8 kg
30	300	180	590	4.1 kg
40	340	180	590	5 kg
50	340	180	680	6 kg

ALUMINIUM · OPEN TOP

L	BASE Ø	OPENING Ø	HEIGHT	WEIGHT
10	250	180	330	2 kg
20	300	180	420	2.5 kg
25	300	180	485	3 kg
30	340	180	500	3.3 kg
30	340	217	500	3.3 kg
40	340	180	580	3.7 kg
40	340	217	580	3.7 kg
50	340	217	660	4.5 kg

STAINLESS STEEL · Ø180 OPENING

L	BASE Ø	OPENING Ø	HEIGHT	WEIGHT
20	335	180	360	4.3 kg
25	335	180	425	4.6 kg
30	335	180	475	5.1 kg
40	335	180	595	5.7 kg

STAINLESS STEEL · Ø217 OPENING

L	BASE Ø	OPENING Ø	HEIGHT	WEIGHT
20	335	217	355	4.2 kg
25	335	217	420	4.5 kg
30	335	217	465	5.1 kg
40	335	217	565	5.7 kg
50	335	217	680	7.6 kg

Capacity in litres; dimensions in mm.

FARM EQUIPMENT

BARN FANS

BOX FANS AND ROUND FANS FOR COOLER COWS



BOX FAN 1400 × 1400

Propeller Ø1240 mm · 1.1 kW

VX9507049



BOX FAN 1000 × 1000

Propeller Ø840 mm · 0.55 kW

VX9507049-1



ROUND FAN Ø100 CM

Galvanized guard · 3 blades



FANS INSTALLED IN THE BARN

TECHNICAL DATA

	BOX FAN 1400	BOX FAN 1000	ROUND FAN Ø100
Code	VX9507049	VX9507049-1	on request
Frame size	1400 × 1400 mm	1000 × 1000 mm	Ø100 cm
Propeller	Ø1240 mm · 6 blades	Ø840 mm · 6 blades	3 blades
Motor	1.1 kW · 380 V	0.55 kW · 380 V	on request
Speed	420 rpm	390 rpm	-
Air flow (approx.)	42,000 m^3/h	38,000 m^3/h	on request
Noise	65 dB	62 dB	-

HV

FARM EQUIPMENT

HVLS CEILING FANS

HIGH VOLUME, LOW SPEED · DIRECT DRIVE · 2 TO 7 M

VORTEX DAIRY TECH.



DIRECT DRIVE

Gearless permanent-magnet motor: quiet, efficient, low maintenance.

ON-BOARD INVERTER

Plug & play, 220 / 277 V AC, 50 / 60 Hz.

IP65

Water- and moisture-resistant for barn conditions.

SMART CONTROL

Temperature, humidity and cow-activity modes; app & web monitoring over BLE / WiFi.

PROTECTION

High temperature, short circuit, thermal, unbalance, voltage drop and vibration.

ALUMINIUM BLADES

Light, strong blades; diameters from 2 to 7 m.

MODEL RANGE

MODEL	Ø (M)	MAX RPM	MAX KW	KG
VX-HV 200	2.0	240	1.0	72
VX-HV 200P	2.0	330	1.5	72
VX-HV 250	2.5	210	1.0	76
VX-HV 250P	2.5	260	1.5	76
VX-HV 300	3.0	160	0.8	79
VX-HV 300P	3.0	210	1.5	79
VX-HV 400	4.0	110	0.5	84
VX-HV 400P	4.0	140	1.2	84

MODEL	Ø (M)	MAX RPM	MAX KW	KG
VX-HV 500L	5.0	80	0.6	89
VX-HV 500	5.0	100	1.1	89
VX-HV 500P	5.0	120	1.4	89
VX-HV 600	6.0	70	0.65	94
VX-HV 600P	6.0	90	1.15	94
VX-HV 700	7.0	60	0.75	99
VX-HV 700P	7.0	80	1.2	99

All models 220 V single phase. "P" models: higher speed and power for maximum air movement; "L": low-power version.

WATER BOWLS · METAL

CAST IRON, STEEL AND STAINLESS STEEL DRINKERS

VORTEX DAIRY TECH.



FLOAT VALVE METAL BOWL

VX-S3

TECHNICAL DATA

BOWL SIZE	24 × 31 × 13 cm
CAPACITY	5 L
BOWL	2 mm DD11 steel
FINISH	Paint or hot-dip galv.



NOSE-PADDLE CAST IRON BOWL
25 × 29 × 14 cm · 2.5 L

VX-S1



NOSE-PADDLE METAL BOWL
26 × 32 × 12 cm · 3 L

VX-S2



DOUBLE FLOAT VALVE BOWL
58 × 24 × 13 cm · 9 L

VX-S4



WATER BOWL 5 L · S/S

VX9503680



CAST WATER BOWL
275 × 245 × 150 mm · 7.1 kg

VX9503215



NOSE-PADDLE BOWL · GALVANIZED

VX-S2



BOWL VALVE · BRASS

VX9503431



BOWL VALVE · PLASTIC

VX9503430

BOWL	BOWL SIZE	CAPACITY	MATERIAL	CODE
Nose-paddle · cast iron	25 × 20 × 9 cm	2.5 L	Cast iron	VX-S1
Nose-paddle · metal	26 × 26 × 10 cm	3 L	2 mm DD11 · 6 mm plate	VX-S2
Float valve · metal	24 × 31 × 13 cm	5 L	2 mm DD11	VX-S3
Double float valve	58 × 24 × 13 cm	9 L	2 mm DD11	VX-S4

WATER BOWLS · PLASTIC

LIGHT, HYGIENIC POLYETHYLENE DRINKERS



FLOAT VALVE PLASTIC BOWL

VX-S6

TECHNICAL DATA

BOWL SIZE	25.5 × 26 × 12 cm
CAPACITY	5 L
MATERIAL	Polyethylene
VALVE	Float valve



DOUBLE WATER BOWL
Two drinking points · twin connections



NOSE-PADDLE PLASTIC BOWL
24 × 24 × 10 cm · 2.5 L

VX-S5



PLASTIC BOWL WITH FLOAT

VX9503215-2



PLASTIC BOWL · FLOAT & HOSE

VX9503215-4



PLASTIC WATER BOWL
330 × 255 × 163 mm · 1.8 kg

VX9503215-1

BOWL DATA

BOWL	SIZE	CAPACITY	MATERIAL	CODE
Float valve plastic bowl	25.5 × 26 × 12 cm	5 L	Polyethylene	VX-S6
Nose-paddle plastic bowl	24 × 24 × 10 cm	2.5 L	Polyethylene	VX-S5
Plastic water bowl	330 × 255 × 163 mm	-	Plastic	VX9503215-1

WATER TROUGHS

TIPPING TROUGHS AND FROST-FREE BALL DRINKERS



TIPPING WATER TROUGH

VX-S9

TECHNICAL DATA

TROUGH	156 × 50 × 28 cm
CAPACITY	150 L
TROUGH	304 stainless steel
FRAME	Galvanized, floor fixing

Tips over in seconds to empty and clean the trough. Float valve keeps the water level constant.



SINGLE FROST-FREE BALL DRINKER

60 × 60 × 43 cm · 40 L · 20 kg · polyethylene

VX-S7



TWIN FROST-FREE BALL DRINKER

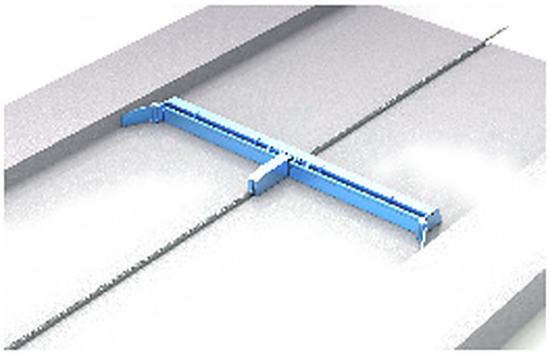
97 × 60 × 42 cm · 80 L · 25 kg · polyethylene

VX-S8

DRINKER	SIZE	CAPACITY	WEIGHT	CODE
Tipping water trough	156 × 50 × 28 cm	150 L	-	VX-S9
Single frost-free ball	60 × 60 × 43 cm	40 L	20 kg	VX-S7
Twin frost-free ball	97 × 60 × 42 cm	80 L	25 kg	VX-S8

MANURE MANAGEMENT

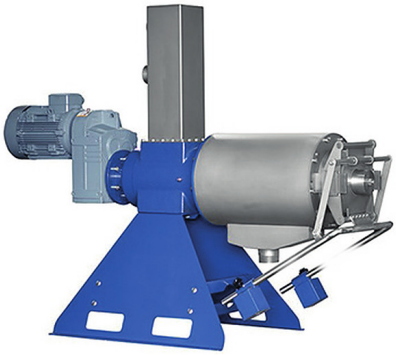
SCRAPING, SEPARATING, PUMPING AND MIXING



AUTOMATIC MANURE SCRAPER

Height 17 cm · adjustable width · timer · 13 mm hardened chain

VX-G1



MANURE SEPARATOR

Cast chassis · chrome screen · 5.5 kW

VX-G2



MANURE PUMP

Cast iron · 5 – 15 kW · 120 t/h

VX-G3



MANURE MIXER

11 – 15 kW · capacity 5000 m^3

VX-G4

TECHNICAL DATA

PRODUCT	MOTOR	CAPACITY	MATERIAL	CODE
Manure scraper	0.55 – 1.5 kW	Adjustable width	Hot-dip galv. or paint	VX-G1
Manure separator	5.5 kW	20 m^3	Cast chassis · chrome screen	VX-G2
Manure pump	5 · 7.5 · 11 · 15 kW	120 t/h	Cast iron	VX-G3
Manure mixer	11 · 15 kW	5000 m^3	–	VX-G4

06

FARM EQUIPMENT

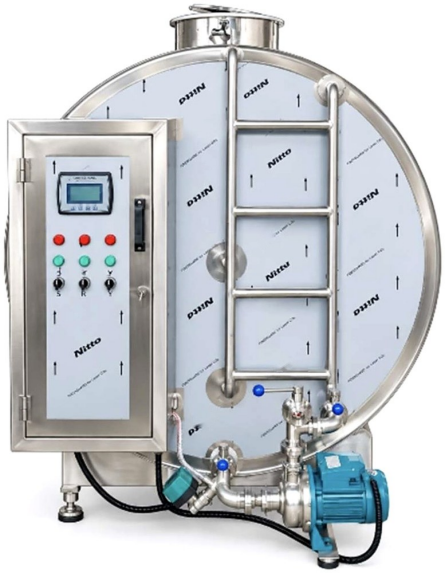
MILK COOLING TANKS

CLOSED HORIZONTAL AND OPEN VERTICAL, IN STAINLESS STEEL

VORTEX DAIRY TECH.

CLOSED HORIZONTAL TANK





BUILT FOR CLEAN MILK

- AISI 304 STAINLESS STEEL
- POLYURETHANE-FOAM INSULATION
- AGITATOR FOR EVEN COOLING
- DIGITAL TEMPERATURE CONTROL WITH ACCESS LADDER
- MANHOLE LID AND FULL DRAIN

TANK TYPES

	OPEN VERTICAL	CLOSED HORIZONTAL
Capacity range	100 – 2,000 L	2,000 – 10,000 L
Typical farm	Small and medium farms	Medium and large farms
Lid	Opening lid	Closed, with manhole
Supply	220 V (small) · 380 V	380 V
Cooling target	To 4 °C within approx. 3 hours	To 4 °C within approx. 3 hours

VORTEX
DAIRY TECH.

SMART SOLUTIONS FOR A CLEANER TOMORROW

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