

SECTION

02 PULSATION SYSTEMS

ELECTRONIC AND PNEUMATIC PULSATION FOR EVERY SYSTEM

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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.