

NEW!

Patents pending

surepulse™ inserts for crisp pulsation

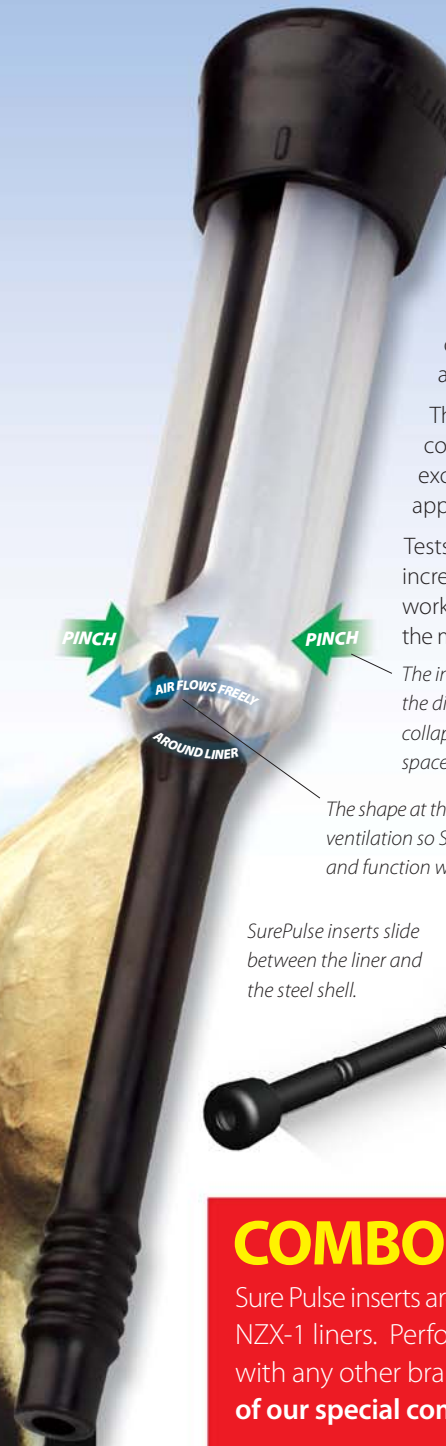


SurePulse Inserts increase the transition speed from milking phase to resting phase thereby extending both the milking phase and the rest phase. This eases the pressure caused by a build up of blood and lymph material in teat ends: it's more comfortable for your cows.

With SurePulse inserts your cows can experience:

- reduced stress
- reduced teat damage
- smoother and faster milking

Let your cows experience the difference!



How SurePulse inserts work:

SurePulse inserts remove air from the pulsation chamber. The special shape of the inserts is designed for vacuum conditions, allowing free ventilation of air in the pulsation chamber, while removing excess air from the cavity space.

The direction of the liner collapse is controlled at the base of the insert. The excess air cavity is reduced by approximately 40%.

Tests show that the resting phase can be increased by as much as 35% in normal working conditions and at the same time the milking phase remains at optimal levels.

The insert design features pinch-points to control the direction of collapse. In effect this is a pre-collapse ensuring the liner collapses into the void space, not against the insert.

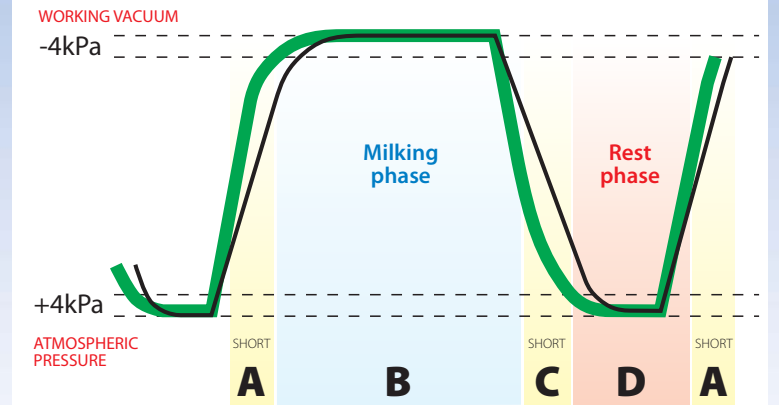
The shape at the base of the insert enables free flow ventilation so SurePulse inserts are easily fitted and function without risk.

SurePulse inserts slide between the liner and the steel shell.



MILK AND REST PHASES

Based on a typical 60 cycles per minute



Phase A

The opening phase must be smooth and ideally between 9-13 milliseconds.

Phase B

Open liner and full milk flow - ideally extended to about 490 milliseconds. A longer phase allows faster milking.

Phase C

Ideally, the closing phase should be 8-10 milliseconds.

Phase D

The rest phase with closed liner. The lymph and blood material in the teat is circulated back to the udder. It is critical that this phase is not less than 15 milliseconds. Greater than 250 milliseconds is ideal.

Crisp pulsation featuring shorter transition phases and longer milking and rest phases.

Non-ideal pulsation featuring long changing cycles and reduced milking and resting phases.

NOTE: This graph and the information pertaining to the graph is representative for the average of a number of trial conditions. In practice the exact result will vary in various applications.

Phases A and C can be changed with machine adjustment.

Note that in phase A air is removed from the pulsation chamber and in phase C air is circulated in the pulsation chamber. Phase A requires more energy to achieve than phase C.

We can modify both phase A and phase C by displacing air volume. This is the function of SurePulse inserts.

COMBO DEAL

Sure Pulse inserts are designed for use with Ultraliner NZX-1 liners. Performance cannot be guaranteed with any other brand of liner. **Take advantage of our special combo deal and save!**

NZX-1 ULTRALINER \$5.65 VALUE

SUREPULSE INSERT \$3.10 VALUE

\$7.65 +GST

Save \$1.10+GST per liner/insert assembly!

* not available with discount cards or in combination with any other offer.