

IQ Milking Unit

A smarter way to milk cows

- Maximum milk quality.
- Improved udder health.
- Faster milk out times.
- More reliable performance.
- Quieter operation.
- Easy maintenance.

IQ: The smart choice for modern milking efficiency

Introducing a revolutionary concept for milking unit technology

As the first truly new design of the 21st century, the IQ offers all of these benefits in one milking unit:

Maximum milk quality — smarter vacuum control significantly reduces milk contamination. You won't believe how clean your filters are.

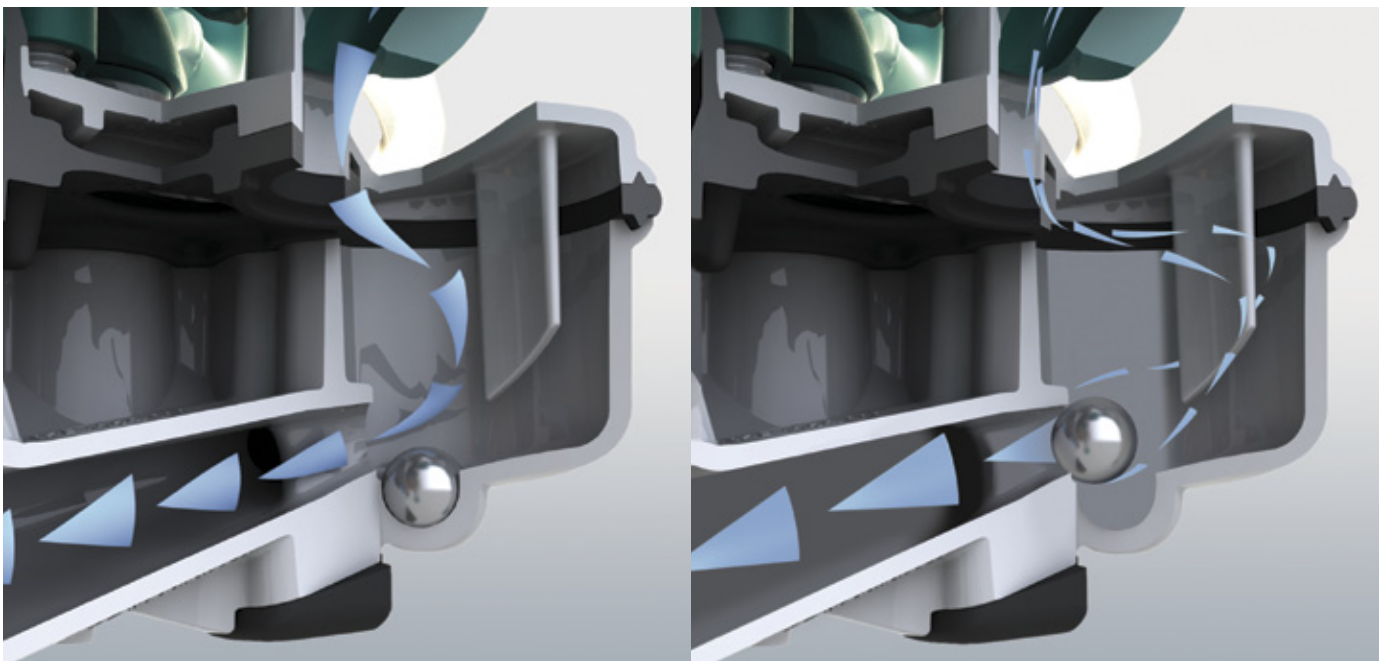
Improved udder health — with four separate guide chambers there is no threat of teat-to-teat cross contamination.

Quieter operation — the automatic vacuum shifting system makes for virtually noise-free milking.


Easy maintenance — shells, liners, and air dividers can be pre-assembled to allow liner changes in minutes instead of hours.

Faster milk out times — improved vacuum stability increases flow rates and the sharper angle of the milk chamber speeds flow to the milk line.

More reliable performance — the slim design is harder to kick-off. Greater flexibility and optimum weight mean a perfect fit for virtually any udder shape. Plus, better unit alignment means less unit slips and squawks.



Cleaner milk, fewer squawks — Vacuum is greatly reduced when the liner is not attached, which means less manure and other contaminants are sucked into the milk line. This also reduces noisy squawks and vacuum fluctuations even during attach and/or a kick-off.



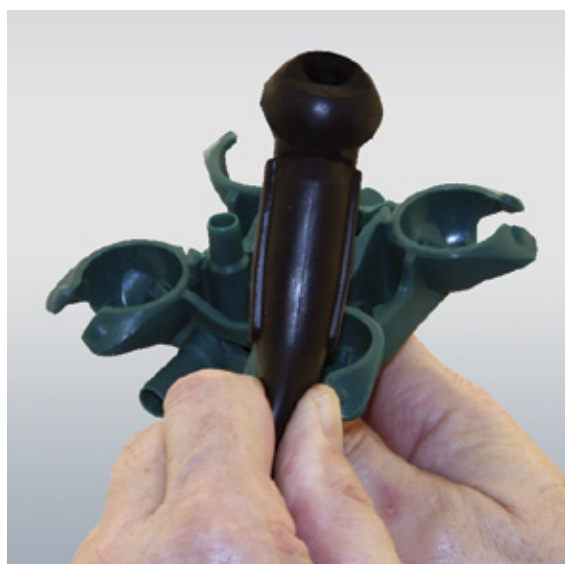
Holds on any shaped udder — the short milk tubes are longer which allows proper placement on virtually any udder shape. The weight is ideally distributed — 80% on the teat / 20% in the claw. Plus, the slim profile greatly reduces kick-offs.

Faster, gentler milking even at the highest of flow rates

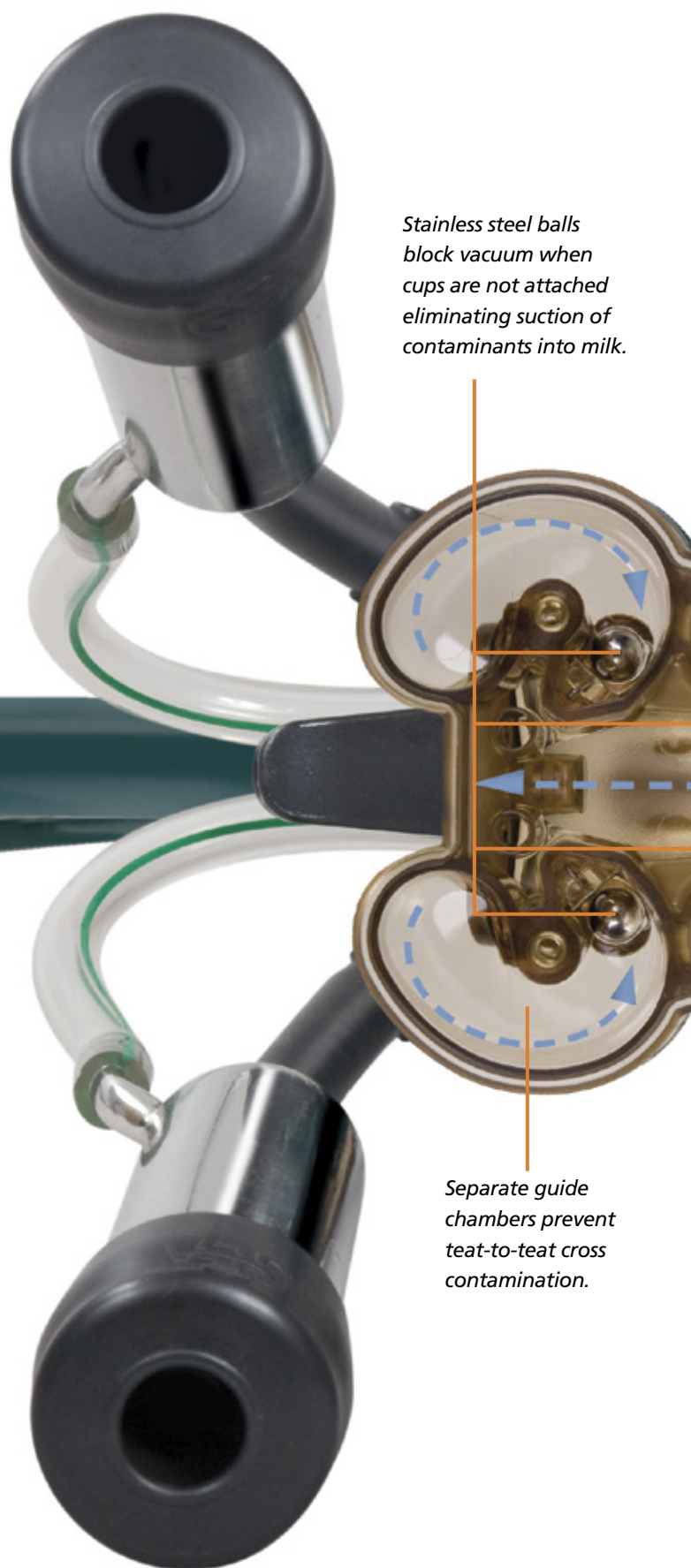
Unlike conventional milking units, the new IQ unit is subdivided into four guide chambers. Milk from each quarter is kept separate and channeled quickly into the milk outlet. This not only milks out high producing cows faster, it also prevents teat-to-teat cross contamination of mastitis-causing bacteria.

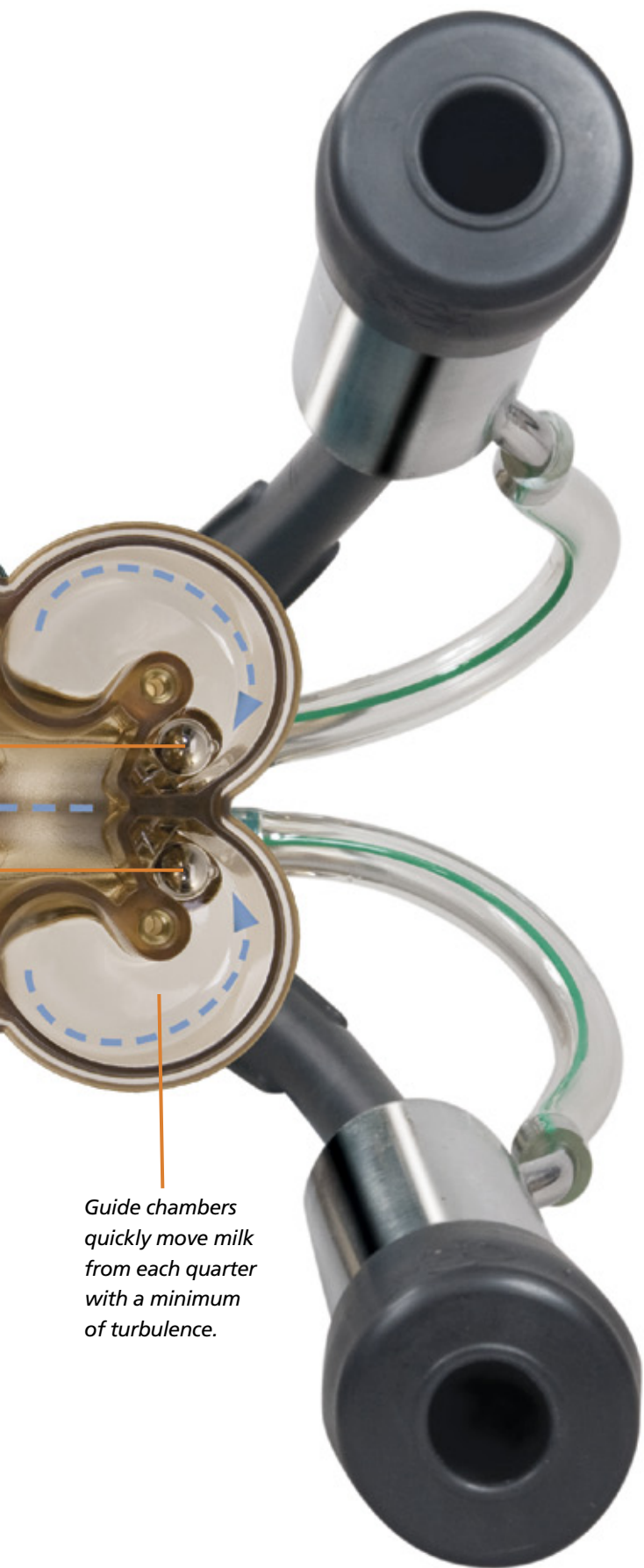
Stainless steel balls block vacuum when cups are not attached eliminating suction of contaminants into milk.

Separate guide chambers prevent teat-to-teat cross contamination.

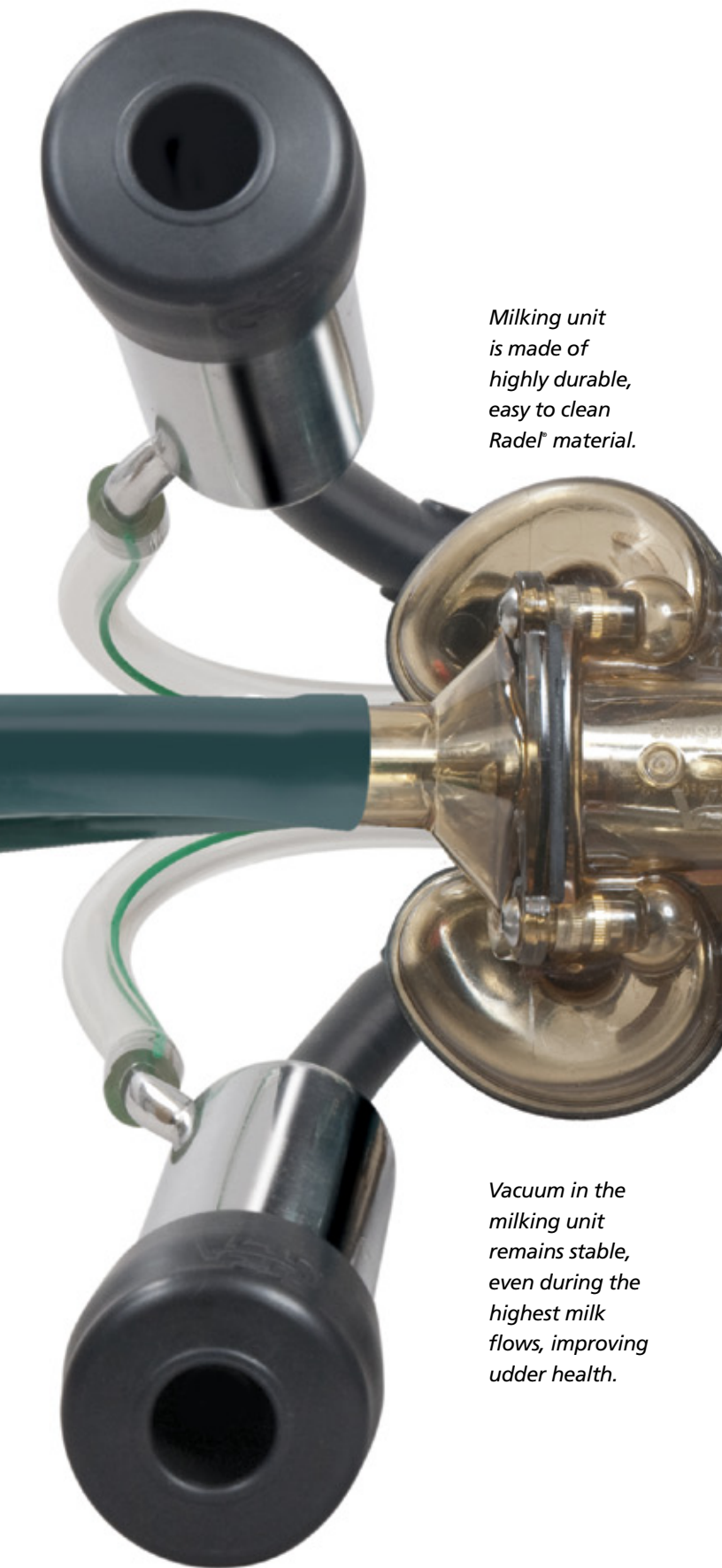


Unique and patented liner connection makes liner changes quick and easy.





Guide chambers quickly move milk from each quarter with a minimum of turbulence.

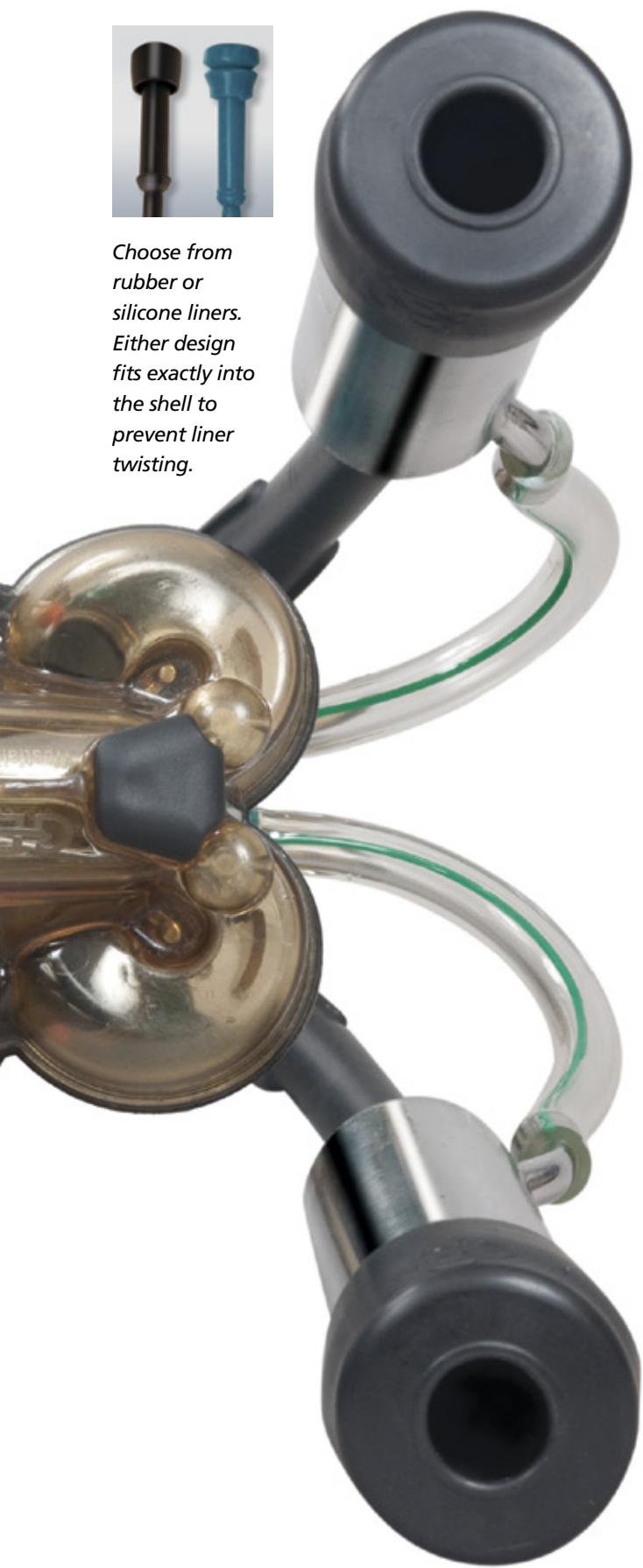


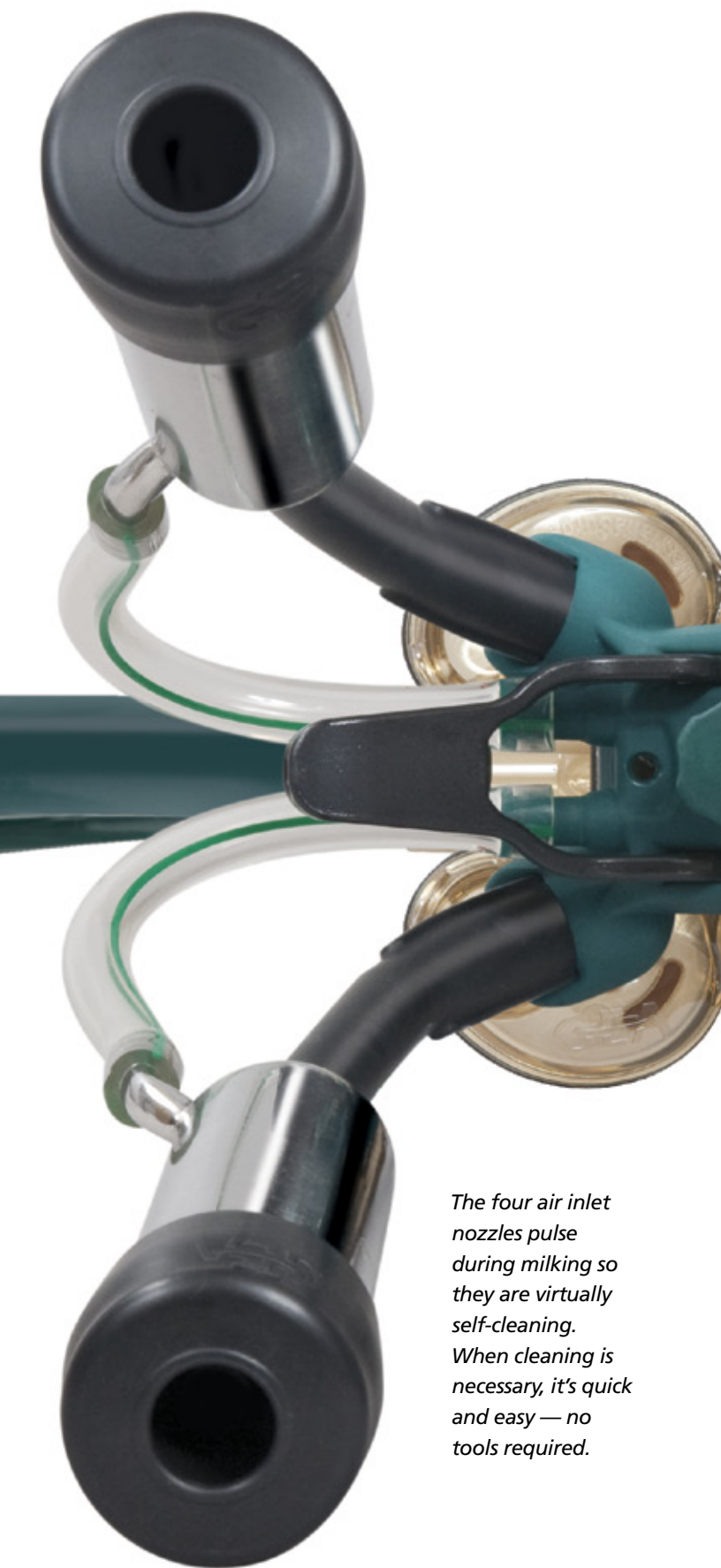
*Milking unit
is made of
highly durable,
easy to clean
Radel® material.*

*Vacuum in the
milking unit
remains stable,
even during the
highest milk
flows, improving
udder health.*

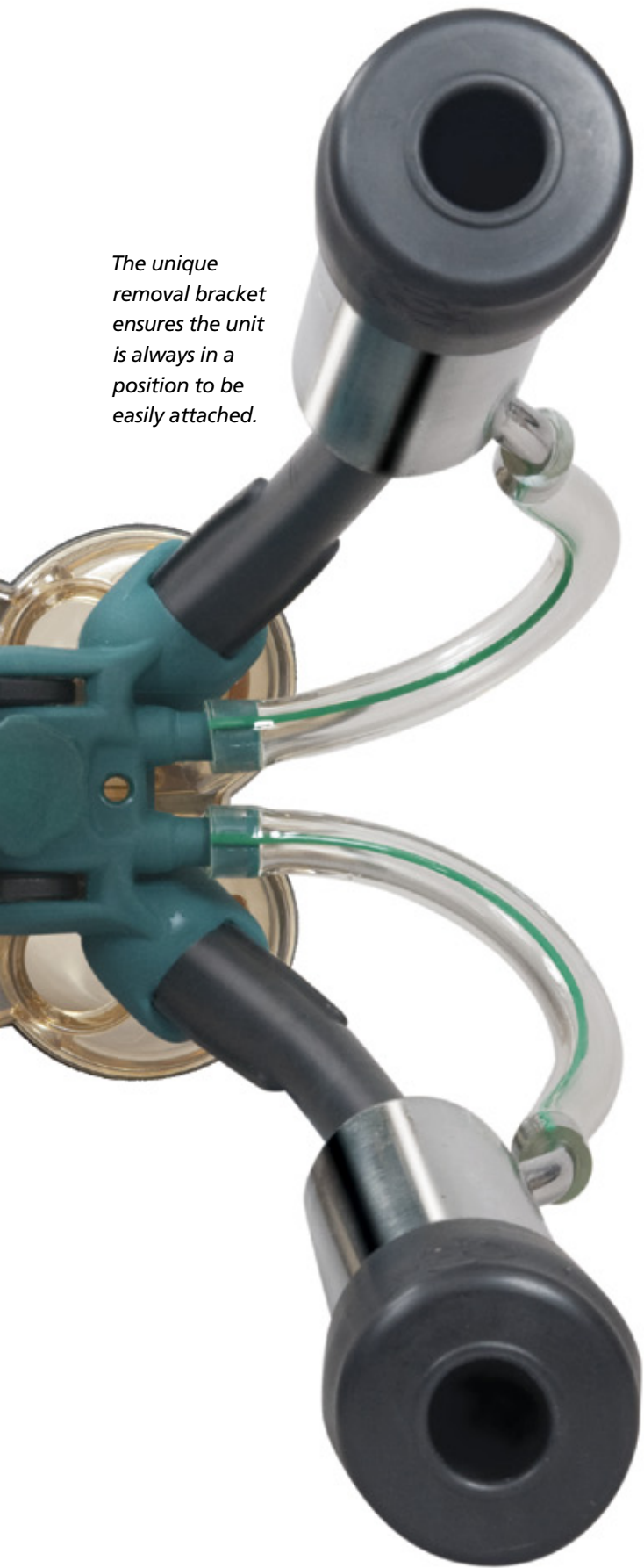


*Choose from
rubber or
silicone liners.
Either design
fits exactly into
the shell to
prevent liner
twisting.*





The four air inlet nozzles pulse during milking so they are virtually self-cleaning. When cleaning is necessary, it's quick and easy — no tools required.



The unique removal bracket ensures the unit is always in a position to be easily attached.

Helps make operators more efficient

Flexible unit attachment allows operators to choose whether they want to attach all four liners at once or one at a time. There is no need to squeeze tubes to shut off vacuum, which means even inexperienced operators can be more efficient.

The patented liner design and liner attachment bracket make liner replacements easier and quicker. Shells, liners and brackets can be pre-assembled, reducing change out times to minutes instead of hours, saving precious downtime in the parlor.



The detach lever folds down while the unit is on the cow.

There's nothing else like it...and it can't be copied.

The design is so unique, GEA Farm Technologies has no less than five patents applied for — from liner design to the milk collection pieces. Don't expect the competition to come anywhere close to the IQ milking unit.

The IQ milking system earned the prestigious Prince Phillip award for Research and Development in Dairy Farming and the DLG Silver Award for the "Innovation of 2009."



Award ceremony at Buckingham Palace: Paul Gerrard, Managing Director GEA Farm Technologies Ltd (UK), Dirk Hejnal, CEO GEA Farm Technologies, His Royal Highness the Duke of Edinburgh.

Weight is distributed from the front to the rear for faster and more consistent milk out for all four quarters.

Proven in over two years of on-farm testing

“Quite honestly, in the six months of using the IQ milking units, we have not found anything that we don’t like. We love it, our milkers love it, and our cows love it.”

*Scott Brennen & Linda Barker
Hunter Haven Farms, Pearl City, IL
900 Cows – Milking 3X*

“The first big improvement was the quietness of the unit. The vacuum stability means much less air suction during attachment. This meant calmer cows in the parlor, especially in our two-year-old heifer pen. We have fewer kick-offs too. Also, during attachment, or if the unit falls-off, it does not suck up all the manure, milk, water, etc. So we saw an immediate improvement to our milk filter cleanliness.

In addition, because of the stability of the claw, milk flow rates improved, and we had a 1-2% reduction in bi-modal milking curves. If you prep cows properly, the IQ will do a tremendous job of evenly milking out cows with an improved flow rate, and a decrease in unit on-time.

Also, liner changes with the IQ milking unit have now become a 10-15 minute job. We simply change out those tops that are pre-loaded by our dealer, and within minutes we are back to milking. It is very quick and very easy, and for us that is huge.”



“Higher flow rates, lower SCC, minimal slips and less squawking. IQ is the best unit for our AutoRotor parlor.”

*Delmar Brubaker
Bru-Crest Dairy, Lebanon, PA
270 cows – Milking 2X*

“After using the IQ unit for five months, we’ve seen some major improvements in milk production — herd average is now 80 lbs with the high group averaging 110 lbs. The IQ handles high production cows better — we’re now averaging 11 lbs. per minute. Also, SCC is down to 98,000. Teat end health continues to improve even in cold weather. We’ve noticed the milk filters are a lot cleaner too, since the unit does not suck up manure and water.

The IQ fits the cows better too. We love how the unit hangs under the cow. Slips are minimal and we have hardly any squawks, which is important on an external AutoRotor.”

“Overall, the IQ is a much better idea for milking cows.”

*Nick Slomp
Ridgeview Dairy, Alberta, Canada
200 cows – Milking 2X*

“We’ve been using the IQ since August 2009 and have noticed an improvement in somatic cell count. Because it doesn’t suck air while attaching or during a kick-off, dirt, water and manure stay out of the milk line. The IQ unit fits different udder sizes better, especially cows with teats close together. We have fewer slips and less squawking too. We really like the hose management of the IQ unit with the milk hose and pulsation hose connected together.”

Frequently Asked Questions

Q Why do we need a new milking unit?

A This new design offers several advantages over the current generation of milking units, including better fit for all sizes of udders, quieter operation, higher milk quality, faster milk-outs, faster liner replacements, more efficient operators, and healthier udders.

Q How is the IQ different from previous attempts at 4-chamber milking units?

A Each teat is connected to a separate guidance chamber which sends milk quickly to the milk line with minimal turbulence. Milk is not collected in the unit bowl so flow is much faster than in older machines.

Q How does the IQ milking unit improve milk quality?

A The unique vacuum-shifting feature prevents contaminants from being sucked into the milk line when the liner is not attached. This means cleaner milk filters and lower bacteria counts.

Q How can the IQ unit improve parlor efficiency?

A Milk flow is much faster, even for high production cows, which means reduced unit on times. Also, since the units don't leak air during attachment, cows are calmer, especially first calf heifers. And, the unique, slim design makes it much harder to kick off the unit during milking.

Q How does the IQ milking unit improve udder health?

A The four-chamber system prevents possible teat-to-teat cross contamination of mastitis-causing bacteria. The vacuum is more stable than with other systems so there is less stress on teat tissue. Users have reported reductions in hyperkeratosis with the IQ system.

Q How can the IQ make my operators more productive?

A Three ways — with the vacuum shut-off there is no need to manually squeeze tubes closed during attachment to reduce vacuum. Second, the unique removal bracket ensures the unit is always in position for quick and immediate attachment. Third, better unit flexibility and alignment makes for fewer trips back to units already attached because of less slips, squawks and kick-offs.



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