







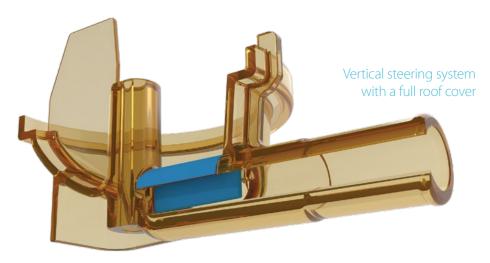


# Intelligent solutions

# - Obtaining high-quality milk rapidly

In taking care of your cows as best as you can, you expect that during the process of obtaining milk you should not sustain a loss in quality.

Our collector fully meets those expectations. We have introduced many innovations, so that from the first day of application of the collector you will notice a significant change. One of our innovations is a unique vertical steering system with a full roof cover. This design has many advantages and among other things, its task is to prevent the formation of eddies and turbulence in the outflow of milk. The area has been divided into two streams that come together only at the discharge. As a result, while maintaining high, stable flow characteristics, there is no formation of free acid in the milk and a breakdown of proteins and fat cells, and this guarantees the highest quality of the acquired milk.

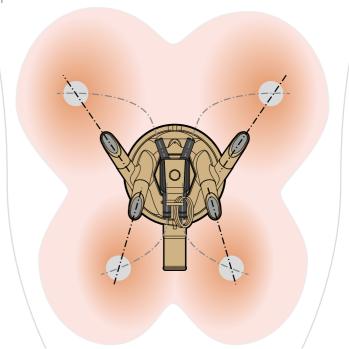


# Super 360° visibility

Construction of the collector from transparent material made it possible to obtain a completely transparent device. This feature, coupled with its shape, allows close observation of each flow of milk flowing from the teat separately. This allows the milker to point out very quick whether there is blood in the milk and thus determine whether the teat is healthy.

#### Anatomical fitting

An anatomical fitting arrangement of claw's & vacuum distributor nozzles to the cow's udder





# Ergonomics of use

The design of the collector from the top loaders in the connector pipes intake, through all the levels to the profiled bottom cover, has been optimized for ergonomic use. The device is very comfortable for the hand, which is essential for efficient and convenient work of the milker. An integrated vacuum manifold is designed to prevent air ducts being trampled on by cows – with the tubes being directed to the centre, not on the sides.



# Extraordinary performance milking

The collector has been designed to work with high yielding cows and is undaunted when confronted with high flows of milk. Even at very high flows, there is a stable vacuum. This is possible thanks to the combination of high working capacity exceeding 360 cm³, and the aforementioned vertical construction with a full roof cover. This improvement significantly increases and stabilizes the vacuum sucking milk, completely preventing the flooding of the collector and productivity losses during peak flow. You do not have to worry about flooding or overflow at the moment of peak flow because SF360 copes with it without any problem. In laboratory tests conducted studying flows, our vacuum collector, with a pressure of 42 kPa, received a flow rate of 20 l / min.

# Comparison of milking collectors

Flow Simulation of milk (approx. 9I) and a decrease of vacuum (negative pressure) for collectors of various construction and a similar volume

	negative pressure (vacuum) [kPa]	milking time [min]	Average milk flow [l/min]	Vacuum loss [kPa]*	
Collector 1	40	1,45	6,0	1,2	
	42	1,40	6,2	1,5	
	44	1,32	6,6	2,0	
Collector 2	40	1,53	5,7	1,5	
	42	1,48	5,9	1,8	
	44	1,39	6,3	2,2	
SF360	40	1,34	6,5	1,0	
	42	1,30	6,6	1,2	
	44	1,27	7,0	1,4	

<sup>\*</sup>loss of vacuum in the collector





# Greater opportunities - Comfort & Health

SF360 allows for more comfortable work. The compact vacuum distributor is made of nylon in the construction enabling both alternative milking (forward - backward) and simultaneous. By applying different frequencies during alternative milking, you can get different milking speed of the front and rear quarters. When milking simultaneously, the pressure drops during massage, similar to the natural feeding of the calf. Thanks to the increased capacity and efficiency of milk collection, the collector provides a full vacuum canister ready to receive the next portion of milk. The use of the SF360 collector allows you to completely eliminate the phenomenon of washing the teats by returning milk. There is no need to also worry about the emergence of cross-infection. You are guaranteed complete safety of the prevalence of this during milking.

# Designed by practitioners

We know how important the correct enclosure of rubber teats to the suction manifold are. The shape nozzles used by us on the top cover allows the complete closure of the rubbers, and provides maximum vacuum when placing it on the teats. Spacing and angle of the inlets guarantee a fast and free milk flow down the sides of the collector, unblended streams and non-formation of turbulence. We also take care of the anatomic arrangement of nozzles which are directed at such an angle that allows a perfect teat placement.

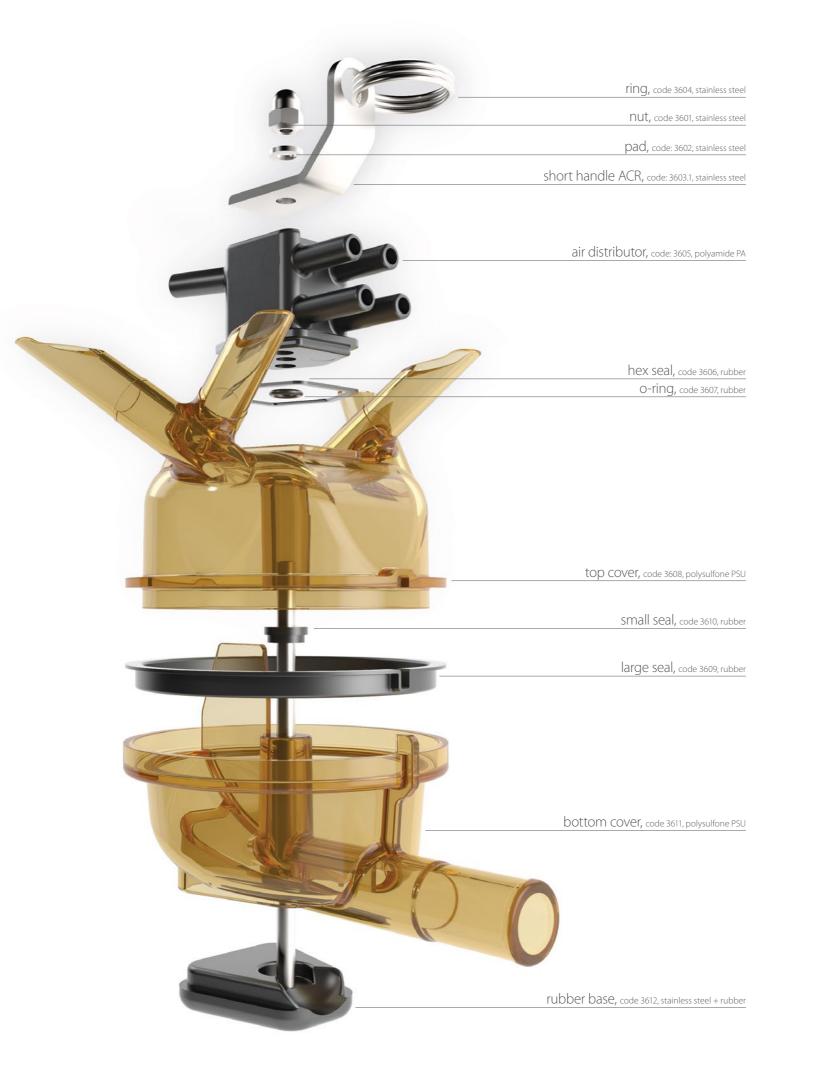


### Security - Easy to clean

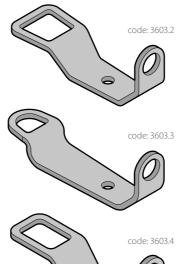
The linear internal surface design depends not only on the fact that the milk will very gently roll down the walls, but also it does not deposit on any dirt. The SF360 is a self-cleaning collector - the interior has been carefully polished and it is perfectly smooth. There is no risk of formation porosity of the surface, because it is created of a material which has a high resistance to acids and mechanical damage. Therefore, cleaning is easy and efficient. An undoubted advantage when cleaning the collector is its transparency, which allows us to literally see inside and to assess the degree of purity.



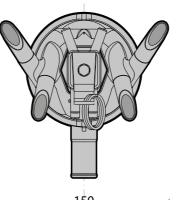
We constantly follow the global trends in dairy technology, and it was in Poland that we created the most effective solutions. It is here that we have organized a research center and a state of the art technological line, which is our pride. The future of the economy is intelligent and innovative solutions, which is why our products use the most advanced materials. We develop durable devices which are totally maintenance-free. Such methods lead not only to faster and efficient development of the economy, but also form the basis for more comfortable work. We achieve this high level thanks to technological innovation and the use of high-tech materials. We would like to point out that we have also created a manufacturing process that allows for high precision mounting and perfect fitting of elements. Our products are constantly tested and we cooperate with many science and research centers. It makes our production extremely advanced, safe and comfortable for the user, and the attitude to grow and succeed allows us to easily meet all the required standards. We are proud that our technology can meet



long handle ACR +Wash System, stainless steel







# Innovative technology

The advantage of our collector comes from the application of advanced technologies and modern materials. The SF360 was made using injection technology of a special type of polysulfone. This polymer is characterized by unmatched resistance to acids and high temperatures present in the cleaning process. It is also resistant to mechanical damage e.g. fall onto a hard floor, or trampling by a cow does not pose any threat to it. Rubber compounds used have been very carefully chosen, derived from the medical industry and meet all the standards of admission into contact with the milk. Steel is used in the collector and this is high-quality stainless steel. The entire production process is controlled at every stage and meets all standards of ISO quality control procedures.

#### Lightness in operation

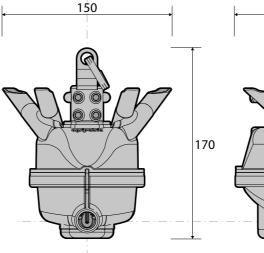
By using ultralight polymers we were able to significantly reduce the weight of the device. Among highly efficient collectors the SF360 is one of the lightest on the market; its weight does not exceed 360 grams. This greatly facilitates the daily work of the milker and has a positive effect on the well-being of cows and udders are not overburdened. In addition, cow comfort improves linear design of the internal surface of the collector, through which it is very quiet.

#### Technical data

capacity	360 ml	
weight	358 g	
material	polysulfone PSU	
vacuum drop	+/- 0,2 kPa	
flow at 42 kPa	20 l/min	
outlet ID	Ø 16 mm	
nipples inlet OD	Ø 14,5 mm	
nipples shape	diagonal cut	
nipples angle	45°	
shut-off	without valve	
bracket	ACR	
pulsation cross	front/rear	

#### Tubes

short air tube	7 mm x 14 mm
twin pulse tube	7 mm x 14 mm
milk tube	16 mm x 27 mm



Materials used in the manufacturing process have necessary attestations and hygienic clearance certifications allowing the product to contact milk. More information: www.agripatria.com/support



SF360 is not authorised for sale in: AU, BE, CA, DE, ES, FR, GB, IE, IT, JP, MX, NL, NZ, SE, US

# QUALITY

It is not difficult to create a cheaper and average product but it is much harder to make a product with high quality at a low price. The 21st century has given us the technology and remarkable materials, so we have added extensive knowledge, great passion and outstanding commitment of the whole team of specialists to create not the most expensive products, but premium ones! We have built a quality brand with the best and most modern components, which everyone can afford without concern! We offer products that are made in Europe with the best materials and under the control procedures of the ISO 9001 quality management system standard.



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SF360 milking claw

ofessional milking



an 360 ml capacity

360 g weight

egrees of visibility









