

PULS

Service Package Deal

Selected by InterPuls

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Conversion table

1kPa = 10 mbar = 0,145 psi = 0,30" Hg | 1" Hg = 3,38 kPa | 1 l/min = 0,035 cfm ASAE | 1cfm ASAE = 28,3 l/min

Company Profile



Profile

Established in: 1974
Presence: 70 countries across the 5 continents
30 patents in the last 5 years
10% of the annual turnover invested in R&D
Employees: 85
Average age: 37
University graduates: 20%



Vision

We aim at being recognized as one of the most specialized producers of milking components and solutions in the world!

Teamwork

Know-how, skills, passion for the product and the job are all vital elements in the company's image and reputation on the market.



Operational Excellence

Benefiting from one of the most advanced logistic systems in the industry. Working as a "team" with our suppliers is crucial in order to continue offering our customers the highest quality at competitive costs.



InterPuls & the Community

Business ethics is one of the grounding values of our company and we draw our inspiration from them. Each day!



Mission as a guide

Deliver added value to our customers, OEMs and distributors, with components for milking systems that are innovative, high quality and competitive in price. "Part of Your Business" is the pay-off that reflects the company mission.



Business model

InterPuls has a flexible business model, accompanied by a range of products that remain state-of-the-art thanks to its excellent testing center that turns out attractive and functional designs, with the typical "Made in Italy" touch.

Environment and Us

We strongly believe in the environmental responsibility and we want to be active part of a sustainable future. Our constant effort for improving products with energy-saving technology and the will to reduce wastes and CO2 emissions during our daily work, are integral part of our being as human beings and as a company.



InterPuls S.p.A.

sales@interpuls.com

www.interpuls.com



Milking Routine & Milking Systems

1. Set up the milking machine according to the instructions in this manual. Plug electric motor into heavy duty 3-prong grounded power cord.

a. With the vacuum cock (Fig. 4) in the closed position, the vacuum meter (Fig. 3) should read 50 kPa if milking Cows or Buffaloes, 44 kPa for Goats and 42 kPa for Sheep.

b. If not, the vacuum regulator (Fig. 2) can be adjusted by turning the housing until the desired vacuum level is reached.

c. Attach tubing from vacuum cock (Fig. 4) to adaptor nipples on the bucket lid (Fig. 5).

d. You are now ready to attach your claw to the bucket and begin milking.

2. Milking.

Before attaching the teat cups, the animal should be prepared by careful washing and drying of the teats. Hand strip the initial milk. This helps stimulate the udder to let down the milk and also helps remove bacteria and impurities from the teat end.

1. Instalar la ordeñadora siguiendo las instrucciones detalladas en el presente manual. Conectar el motor eléctrico, por medio del cable de alimentación tripolar, dotado de puesta a tierra y apto para soportar cargas elevadas de trabajo.

a. Con el grifo del vacío (fig. 4) en posición cerrado, el vacuómetro (fig. 3) deberá marcar 50 kPa para operaciones de ordeño llevadas a cabo en vacas o búfalas, 44 kPa para las cabras y 42 kPa para las ovejas.

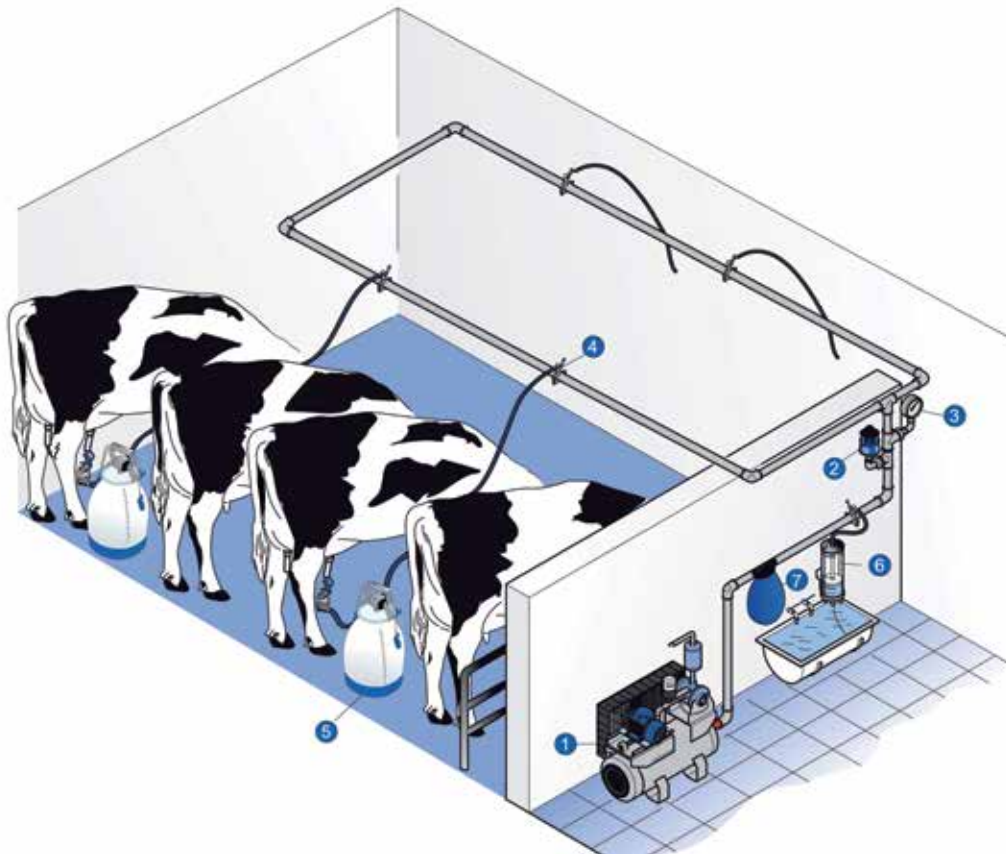
b. De lo contrario, podrá modificarse la programación de la válvula de regulación del vacío (fig. 2), girando el cuerpo de la misma hasta alcanzar el nivel deseado.

c. Conectar el tubo del grifo de vacío (fig. 4) al niple del adaptador situado en la tapa del cubo (fig. 5).

d. Podremos conectar ahora el tubo de la leche al colector y al cubo y dar comienzo a las operaciones de ordeño.

2. Ordeño.

Antes de conectar las pezoneras, el animal deberá ser preparado, por medio de un esmerado lavado y secado de los pezones. Ordeñar de forma manual la primera leche. De este modo, se estimularán las mamas facilitando la emisión del líquido y haciendo posible la eliminación de las bacterias y las impurezas presentes en el extremo del pezón.



1. Vacuum pump
2. Vacuum regulator
3. Vacuum gauge
4. Vacuum cock
5. Bucket assembly
6. Wash unit
7. Balancing Tank

| Animal Breed | Vacuum Level (kPa) | | Rate (ppm) | Ratio % | n. of Teats | Average Milk production (kg/day) | | Lactation Days |
|----------------|--------------------|----------|------------|---------|-------------|----------------------------------|----------|----------------|
| | High Line & Bucket | Low Line | | | | Low gen | High gen | |
| Cow | 48-50 | 42-44 | 60 | 60:40 | 4 | 10 | 25 | 305 |
| Goat | 42-44 | 38-40 | 90 | 60:40 | 2 | 2 | 4 | 200 |
| Sheep | 40-42 | 36-38 | 120 | 50:50 | 2 | 1 | 3 | 180 |
| Buffalo | 50-52 | 44-46 | 60 | 60:40 | 4 | 7 | 16 | 305 |
| Horse & Donkey | 40-42 | 36-38 | 90 | 60:40 | 2 | 1,5 | 3 | 360 |
| Camel | 40-42 | 36-38 | 80 | 60:40 | 4 | 5 | 10 | 360 |

- a. Holding the claw in one hand, make sure the teat cups and shell drop (bend) over the claw nipples.
- b. Open the claw valve on the bottom of the claw.
- c. While positioned kneeling next to the animal, lift each individual teat cup and attach.
- d. Try to do this in a rapid efficient manner so as not to lose milking vacuum.
- e. When animal is finished milking, close the claw valve to shut off vacuum so as not to pull the teat cups off the udder under vacuum.
- f. To empty the bucket, shut off vacuum cock at vacuum source (Fig. 4). Then open the claw valve to release vacuum in bucket.
- g. Make sure not to overfill the bucket causing milk to flood the vacuum tank. If this happened, the vacuum tank must be flushed after milking.

3. The washing procedure.

After milking, the cluster and buckets must be washed immediately.

- a. Hold claw upside down so teat cups and shells hang down. Open claw valve. Plunge the teat cups in and out of the rinse water to draw water and air through the claw and into the bucket. Use about 10 litres.
- b. Shut off vacuum and drain the bucket. Repeat above procedure this time adding a suitable detergent to the 10 litres of water.
- c. Shut off vacuum and drain. Repeat plunging procedure, this time with 10 litres of cold water with a sanitizing disinfectant added.
- d. Wash and rinse lid, gasket, outside surfaces of buckets and clusters.
- e. Hang clusters to dry.
- f. Turn bucket upside down to drain, then wipe dry to be sure no trace of detergent, disinfectant or hard water is left on the surface of the stainless steel.

4. Periodic maintenance.

- a. Every day: Check oil level on pump reservoir. Check vacuum level. Check pulsator rate and ratio. Check & eventually clean the claw air vent.
- b. Every 6 months: Flush vacuum pump. Change liners every 6 months or 2.500 cow milkings.
- c. Every year: Change all rubber parts, gaskets and hoses.
- d. If you are storing your pump for more than 1 month: Flush pump with flushing oil or kerosene. Put fresh oil in pump. Run pump for a few minutes at least once per week.

- a. Verificar, sujetando el colector con una mano, que las ventosas y las cápsulas estén inclinadas hacia los nipples del colector.
- b. Abrir la válvula del colector, situada en el fondo del mismo.
- c. Levantar y adherir, de rodillas cerca del animal, cada una de las ventosas.
- d. Esta operación deberá efectuarse de manera rápida y eficiente, para evitar así entradas excesivas de aire.
- e. Una vez terminado el ordeño del animal, cerrar la válvula del colector para interrumpir el vacío, evitando así el tener que quitar las ventosas del pezón en condiciones de vacío.
- f. Para vaciar el cubo, cerrar el grifo del vacío en el punto que coincide con la fuente del vacío (fig. 4). Abrir luego la válvula del colector para volver poner el cubo bajo presión.
- g. Asegurarse de no llenar el cubo demasiado, evitando así que rebose la leche en el depósito de equilibrado de vacío. Si ello se produjera, el depósito de vacío deberá ser lavado tras el ordeño.

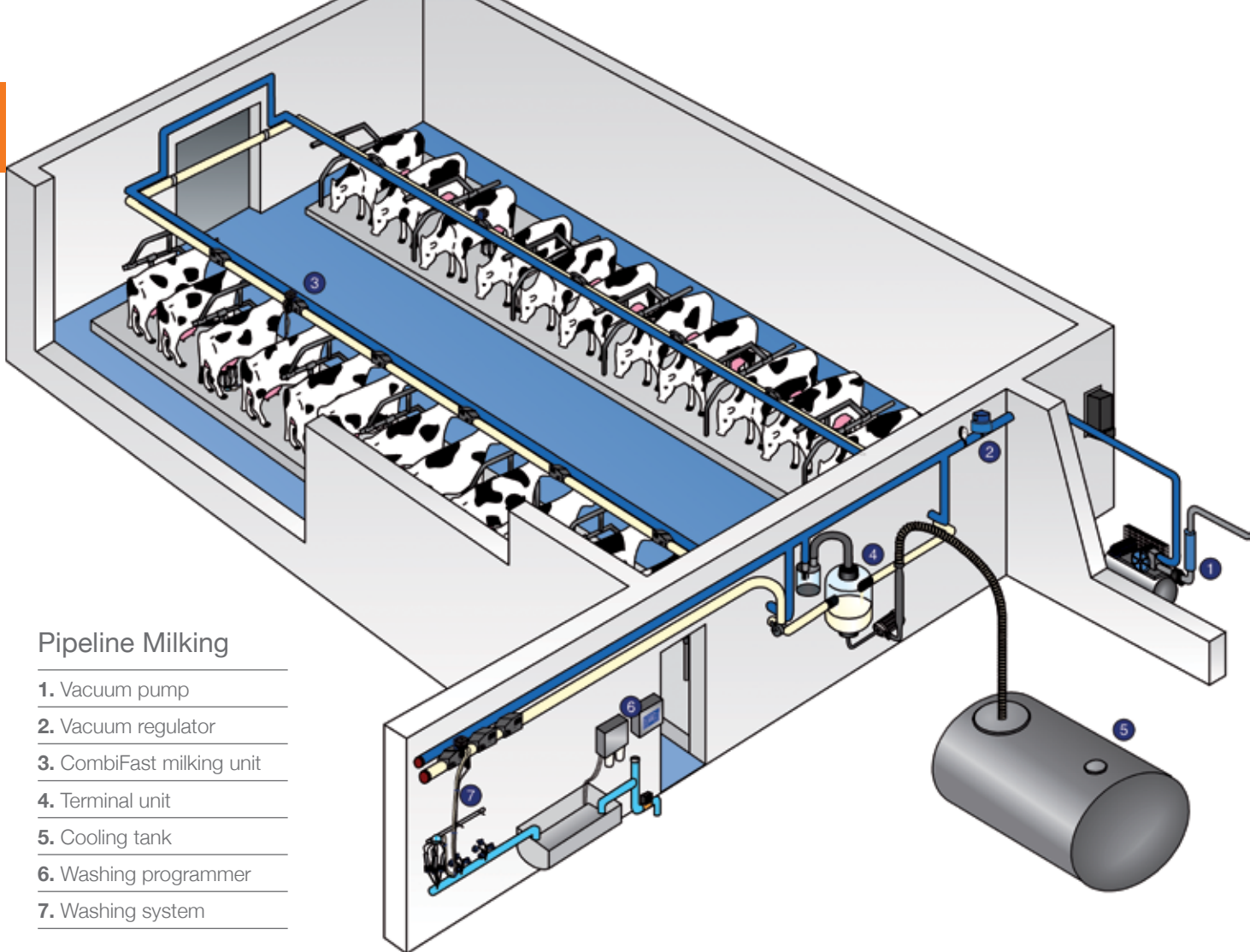
3. Operaciones de lavado.

Una vez terminado el ordeño, lavar inmediatamente el grupo y los cubos.

- a. Mantener el colector volcado, de manera que las ventosas y las cápsulas estén dirigidas hacia abajo. Abrir la válvula del colector. Sumergir, repetidamente, las ventosas en el agua de enjuague, aspirando el agua y el aire a través del colector, hasta el cubo. Utilizar unos 10 litros de agua.
- b. Cerrar el vacío y escurrir el cubo. Repetir el procedimiento indicado en líneas anteriores, añadiendo, esta vez, un detergente adecuado a los 10 litros de agua.
- c. Cerrar el vacío y escurrir. Repetir el procedimiento de inmersión, añadiendo, ahora, un desinfectante en 10 litros de agua fría.
- d. Lavar y enjuagar la capa, la guarnición y las superficies exteriores de los cubos y de los grupos de ordeño.
- e. Colgar el grupo de ordeño para que se seque.
- f. Volcar el cubo para que el líquido se escurra, secar luego con un trapo; las superficies de acero inoxidable deberán quedar libres de todo rastro de detergente, desinfectante o de agua dura.

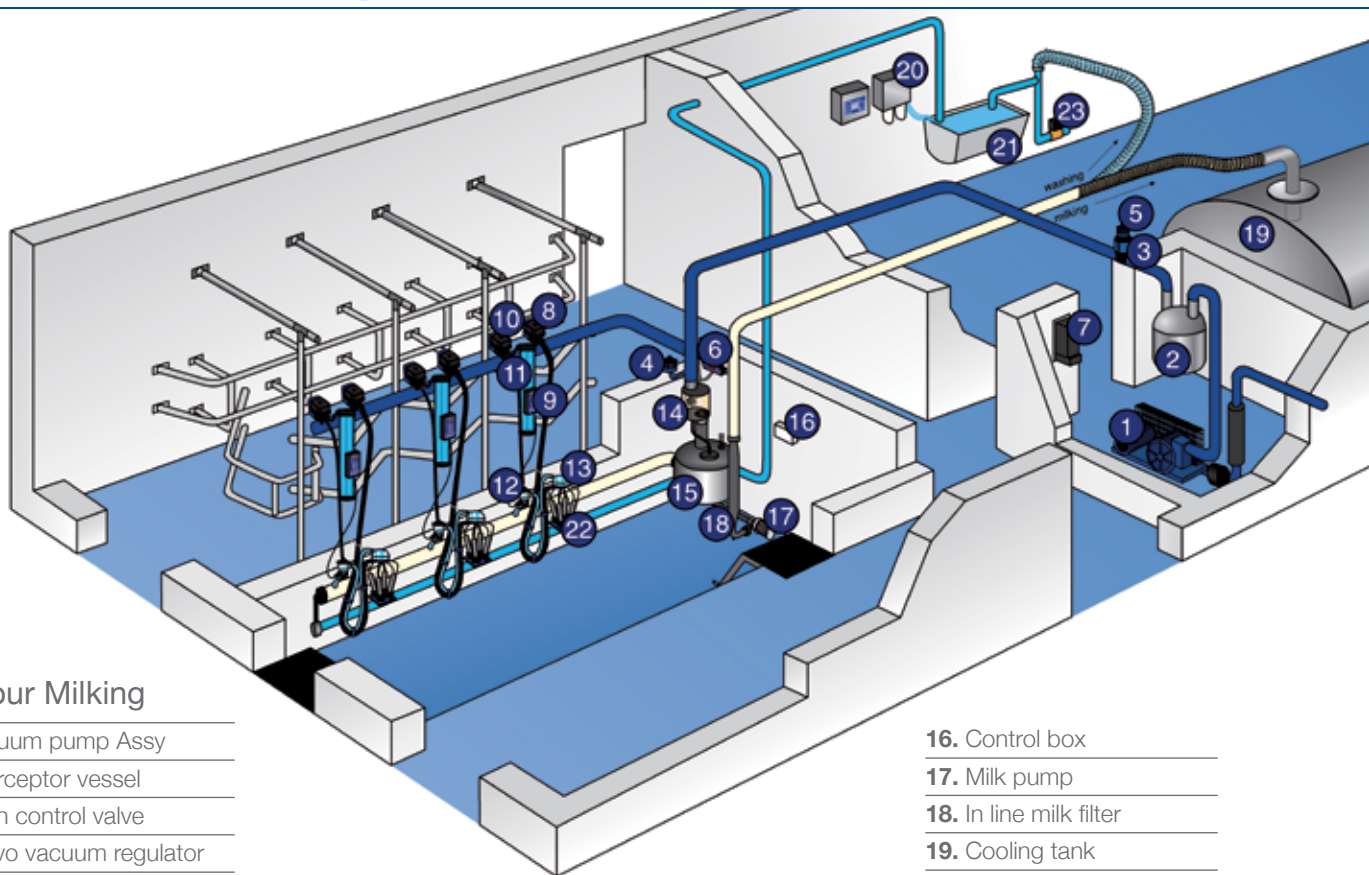
4. Mantenimiento periódico.

- a. Diariamente: controlar el nivel del aceite del depósito de la bomba. Controlar el nivel del vacío. Controlar la frecuencia y la relación del pulsador. Controlar, y eventualmente limpiar, el orificio de entrada de aire del colector.
- b. Cada 6 meses: limpiar la bomba de vacío. Las ventosas deberán sustituirse cada 6 meses o cada 2.500 operaciones de ordeño.
- c. Anualmente: sustituir todas las piezas de goma, las guarniciones y los tubos flexibles.
- d. En caso de que no se pretenda utilizar la bomba durante más de un mes: limpiar la bomba con aceite de limpieza o queroseno. Añadir aceite nuevo en la bomba. Accionar la bomba durante unos minutos, al menos una vez a la semana.



Pipeline Milking

- 1. Vacuum pump
- 2. Vacuum regulator
- 3. CombiFast milking unit
- 4. Terminal unit
- 5. Cooling tank
- 6. Washing programmer
- 7. Washing system



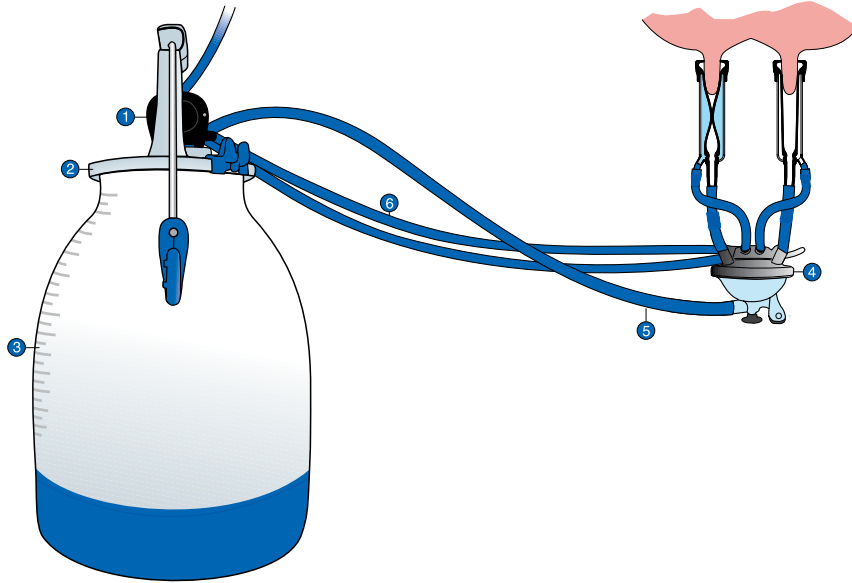
Parlour Milking

- 1. Vacuum pump Assy
- 2. Interceptor vessel
- 3. Main control valve
- 4. Servo vacuum regulator
- 5. Cleaning vacuum regulator
- 6. Digital vacuum gauge
- 7. Power supply unit
- 8. Electronic pulsator

- 9. ACR remover panel
- 10. ACR control valve
- 11. Detacher vacuum cylinder
- 12. High flow sensor
- 13. Cluster
- 14. Sanitary trap
- 15. Milk receiving vessel

- 16. Control box
- 17. Milk pump
- 18. In line milk filter
- 19. Cooling tank
- 20. Washing programmer
- 21. Wash trough
- 22. Washing trays
- 23. Drain valve

Bucket Solutions



1. Vacuum Pulsator

2. Lid

3. Bucket

4. Cluster

5. Long milk tube

6. Long puls tube

7. Vacuum tube



Cow & Buffalo Milking
Ordeñador Vaca y Búfalo



Cow & Buffalo Milking
Ordeñador Vaca y Búfalo



Goat & Sheep Milking
Ordeñador Cabra y Oveja



Butter Churn

| REF | Note |
|----------|---------------|
| 6219001* | 220 V - 50 Hz |



Characteristics and technical data:

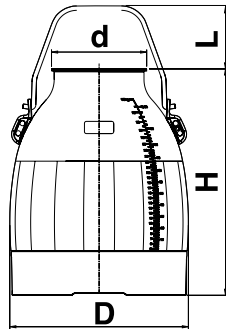
The vertical butter churn has been conceived and produced to obtain butter from cream, exploiting the effect of centrifugation. It consists of an electrical monophase motor), of a food-safe nylon stirring plunger with stainless steel shaft and of a food-safe nylon breakflow. Thanks to these technical features and to the set-up of the elements, the butter churn is highly cleanable and very easy to operate. The butter churn use is suggested with 23L Ecobucket.

Características técnicas:

El mantequero de tipo vertical ha estado proyectado y realizado para obtener la mantequilla de la nata, aprovechando el efecto de la centrifugación. Esta constituido por un motor eléctrico monofase, de una paleta fabricada en nylon para uso alimenticio con arbol en acero inox y de un deflector de fluidos. Gracias a estas características técnicas y a la disposición de sus elementos, el mantequero es fácil de limpiar y de utilizar. Ideal es su utilizo junto al cubo Ecobucket 23L.

* Ecobucket not included / Ecobucket no incluido.

Buckets

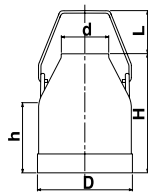
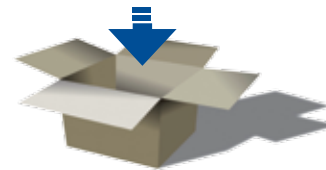


EcoBucket

| Ref. | Capacity | H | d | D | L | Weight |
|----------------|----------|-----|-----|-----|-----|---------|
| 2619006 | 23 L | 390 | 195 | 356 | 145 | 2,8 Kg. |
| 2619001 | 30 L | 464 | 195 | 356 | 145 | 3 Kg. |

EcoBucket Set

| Ref. | Note |
|----------------|---|
| 2619017 | 12 x Ecobucket 23 L STD Handle (145 mm) |
| 2619013 | 12 x Ecobucket 30 L STD Handle (145 mm) |

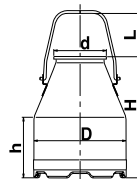


Clear bucket

| Ref. | Litre | H | h | d | D | L | Weight |
|------------------------------|-------|-----|-----|-----|-----|-----|--------|
| 9100006* M/STD Blue | 26 | 415 | 205 | 195 | 340 | 143 | 2,8 Kg |
| 9100002* M/STD Blue | 30 | 425 | 250 | 188 | 370 | 145 | 3,3 Kg |
| 9100003* M/STD Red | 30 | 425 | 250 | 188 | 370 | 145 | 3,3 Kg |
| 9100004* M/STD Orange | 30 | 425 | 250 | 188 | 370 | 145 | 3,3 Kg |
| 9100005* M/STD Green | 30 | 425 | 250 | 188 | 370 | 145 | 3,3 Kg |
| 9100001* M/AL Blue | 30 | 425 | 250 | 188 | 370 | 120 | 3,3 Kg |

*special item available on demand

Stainless steel bucket



| Ref. | Litre | H | h | d | D | L | Weight |
|-----------------------------|-------|-----|-----|-----|-----|-----|--------|
| 2609001 FR* M145 STD | 23 | 380 | 180 | 195 | 340 | 145 | 4,8 Kg |
| 2609002 FR* M120 | 23 | 380 | 180 | 195 | 340 | 120 | 4,8 Kg |
| 2609011 FR* M145 STD | 25 | 405 | 205 | 195 | 340 | 145 | 5,0 Kg |
| 2609012 FR* M120 | 25 | 405 | 205 | 195 | 340 | 120 | 5,0 Kg |
| 2609021 FR* M145 STD | 30 | 460 | 260 | 195 | 340 | 145 | 5,5 Kg |
| 2609022 FR* M120 | 30 | 460 | 260 | 195 | 340 | 120 | 5,5 Kg |
| 2609051 RR* M145 STD | 23 | 380 | 180 | 195 | 340 | 145 | 4,8 Kg |
| 2609061 RR* M145 STD | 25 | 405 | 205 | 195 | 340 | 145 | 5,0 Kg |
| 2609071 RR* M145 STD | 30 | 460 | 260 | 195 | 340 | 145 | 5,5 Kg |

*Legenda: FR = Full Rim, RR = Rounded Rim



IPL Liners

✓ Patented



Lunik 200 cluster



Orbiter 240 cluster



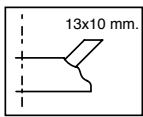
Lunik 350 cluster



Buffalo cluster

IPL 01 Liner

Set 4x IPL 01



1809001

Light TCS

Heavy TCS

Plastic TCS



4208125
gr 250



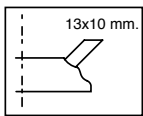
4208006
gr 420



4308002
gr 365

IPL 02 Liner

Set 4x IPL 02

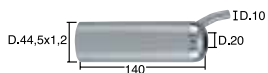


1809002

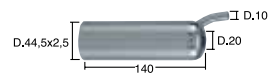
Light TCS

Heavy TCS

Plastic TCS



4208043
gr 175



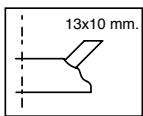
4208010
gr 380



4308001
gr 330

IPL 01 Bubalus

Set 4x IPL 01 Bubalus



1809006

Light TCS

Heavy TCS

Plastic TCS



4208125
gr 250



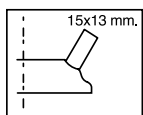
4208006
gr 420



4308002
gr 365

IPL 11

Set 4x IPL 11



1809011 - D.22
1809005 - D.20

Light TCS



4208191
gr 200

Rubber Line



Inner layer
Capa interior



Clean-Line Tube

| Ref. | Size [mm.] | Note |
|---------|------------|-------------|
| 1800106 | 14 x 25 | Rolls 20 m. |
| 1800107 | 16 x 28 | Rolls 20 m. |
| 1800108 | 19 x 32 | Rolls 20 m. |



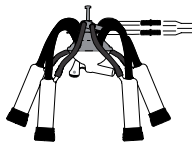
Rubber Milk Tube

| Ref. | Size [mm.] | Note |
|---------|------------|-------------|
| 9000198 | 14 x 25 | Rolls 20 m. |
| 9000734 | 16 x 29 | Rolls 20 m. |
| 9001203 | 19 x 32 | Rolls 15 m. |



Twin Pulse Tube

| Ref. | Size [mm.] | Note |
|---------|------------|-------------|
| 9000460 | 7,6 x 14,5 | Rolls 35 m. |



Pulsation tubes extension nipple

| Ref. | Note |
|---------|---------------------------------------|
| 1900050 | 1 x Pulsation tubes extension nipple |
| 1900063 | 20 x Pulsation tubes extension nipple |



Rubber Vacuum Tube

| Ref. | Size [mm.] | Note |
|---------|------------|-------------|
| 9000459 | 7,6 x 14,5 | Rolls 50 m. |
| 9000030 | 11 x 21 | Rolls 35 m. |
| 9000159 | 13 x 23 | Rolls 35 m. |



Hose Cutter

| Ref. | Note |
|---------|--------------------|
| 9002277 | up to D.32 mm hose |



Short Pulsation Tube

| Ref. | Size [mm.] | Note |
|----------------|----------------|--------------|
| 1900053 | 8 x 14,5 x 230 | |
| 1900055 | 8 x 14,5 x 230 | 4 x 1900053 |
| 1900056 | 8 x 14,5 x 230 | 50 x 1900053 |

- Patented
- Compound FDA approved

Short Pulsation Tube

| Ref. | Size [mm.] | Note |
|----------------|----------------|--------------|
| 1900054 | 8 x 14,5 x 205 | |
| 1900057 | 8 x 14,5 x 205 | 4 x 1900054 |
| 1900058 | 8 x 14,5 x 205 | 50 x 1900054 |

- Patented
- Compound FDA approved

Short Pulsation Tube

| Ref. | Size [mm.] | Note |
|----------------|------------------|------|
| 9000045 | 7,6 x 14,5 x 230 | |
| 9000051 | 7,6 x 14,5 x 270 | |

Transparent Line



Milk Tube

| Ref. | Size [mm.] | Note |
|----------------|------------|-------------|
| 9000567 | 12,7 x 21 | Rolls 30 mt |
| 9000568 | 14,5 x 24 | Rolls 30 mt |
| 9000569 | 16,0 x 26 | Rolls 30 mt |

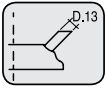
Twin pulse Tube

| Ref. | Size [mm.] | Note |
|----------------|------------|-------------|
| 9000570 | 7,6 x 14,5 | Rolls 30 mt |

Vacuum Tube

| Ref. | Size [mm.] | Note |
|----------------|------------|-------------|
| 9001475 | 7,6 x 14,5 | Rolls 30 mt |

Cluster Accessories



Short Milk Tube

| Ref. | Size [mm.] | Note |
|---------|---------------|------|
| 9000339 | 10 x 18 x 140 | |
| 9001011 | 10 x 18 x 160 | |

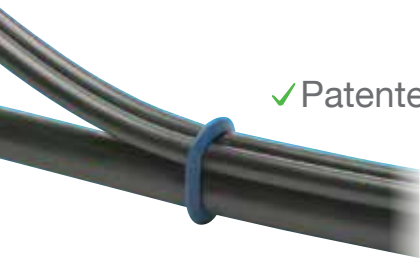


Sight Glass

| Ref. | Size [mm.] | Note |
|---------|-----------------|------|
| 9000038 | Shell Hole 26,6 | |
| 9000331 | Shell Hole 27,5 | |



✓ Patented



Retaining Ring

| Ref. | Size [mm.] | Note |
|---------|-------------|------|
| 1900060 | 32 | |
| 1900059 | 35 | |



✓ Patented

Retaining Flat band

| Ref. | Size [mm.] | Note |
|---------|-------------|------|
| 1900048 | 35 | |
| 1900049 | 32 | |



Tube Guide

| Ref. | Hold tube size [mm.] | Note |
|---------|-----------------------|------|
| 1900001 | 25 ÷ 30 | |





Rubber sleeves

| Ref. | Size [mm.] | Note |
|---------|-------------|------|
| 9000340 | 29 x 29 | |
| 9000341 | 38 x 29 | |
| 9000342 | 36 x 36 | |
| 9000343 | 38 x 38 | |
| 9000160 | 49 x 38 | |
| 9000092 | 49 x 49 | |
| 9000344 | 61 x 49 | |
| 9000345 | 61 x 61 | |
| 9000346 | 73 x 61 | |
| 9000347 | 73 x 73 | |



Elbows

| Ref. | Size [mm.] | Note |
|---------|-------------|------|
| 9000348 | 28 x 13 | |
| 9000349 | 29 x 29 | |
| 9000350 | 38 x 29 | |
| 9000351 | 36 x 36 | |
| 9000352 | 38 x 38 | |
| 9000353 | 49 x 38 | |
| 9000093 | 50 x 50 | |
| 9000354 | 61 x 49 | |
| 9000355 | 61 x 61 | |
| 9000356 | 73 x 61 | |
| 9000357 | 73 x 73 | |



Milk entry for terminal units

| Ref. | Size [mm.] | Note |
|---------|-------------|------|
| 9000358 | 38 x 43 | |
| 9000359 | 40 x 59 | |
| 9000360 | 50 x 59 | |
| 9000361 | 63 x 76 | |
| 9001570 | 76 x 76 | |

Blank Cap

Blank Cap for terminal units

| Ref. | Size [mm.] | Note |
|---------|-------------|-----------|
| 9001164 | D.59 | Blank Cap |
| 9001165 | D.76 | Blank Cap |



Blank

With S/S tube

D.16

Milk line stopper

| Ref. | Size [mm.] | Note |
|---------|-------------|---------------|
| 9000363 | D.38 | Closed |
| 9000364 | D.50 | Closed |
| 9000422 | D.60 | Closed |
| 9000806 | D.73 | Closed |
| 9000275 | D.38 | With s/s exit |
| 9000305 | D.50 | With s/s exit |
| 9000782 | D.60 | With s/s exit |
| 9000807 | D.73 | With s/s exit |

Milk Meter



| MK5 - Parlour | Ref. | Capacity |
|---------------|---------|----------|
| | 9000989 | 30 Kg |
| | 9002405 | 42 Kg |



Technical data
 L = 115 mm
 W = 180 mm
 H = 545 mm
 Milk Inlet tubes: 21x16 mm
 Milk Outlet tubes: 19x14 mm

| MK5 - RTS | Ref. | Capacity |
|-----------|---------|----------|
| | 9000990 | 30 Kg |
| | 9002445 | 42 Kg |




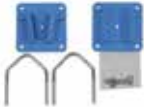














Technical data
 L = 115 mm
 W = 180 mm
 H = 720 mm (with Hanger)
 Milk Inlet tubes: 21x16 mm
 Milk Outlet tubes: 19x14 mm

| MK5 - Sheep & Goat | Ref. | Capacity |
|--------------------|---------|----------|
| | 9001171 | 4,5 Lts. |



Technical data
 L = 115 mm
 W = 180 mm
 H = 545 mm
 Milk Inlet tubes: 21x16 mm
 Milk Outlet tubes: 19x14 mm



| Spare parts | Ref. | Note |
|---|---------|--------------------------------|
|  | 9000992 | MK5 Service Kit |
|  | 9001184 | MK5 Mounting set |
|  | 9000991 | MK5 hanger Bracket RTS |
|  | 9001173 | MK5 Base |
|  | 9001174 | MK5 Open bung 30 Kg flask |
|  | 9001175 | MK5 Cover clip |
|  | 9001176 | MK5 Connector |
|  | 9001177 | MK5 Cover |
|  | 9001179 | MK5 Flask 30 Kg |
|  | 9001180 | MK5 valve housing gasket |
|  | 9001181 | MK5 housing tap |
|  | 9001183 | MK5 metering head 30 Kg cpl. |
|  | 9001187 | MK5 Oring 29 mm |
|  | 9001190 | MK5 3 way tap with strap |
|  | 9000993 | MK5 wedge block kit with bolts |
|  | 9000994 | MK5 wedge mounting bracket |

Turbo Wash 4000 & 4000P





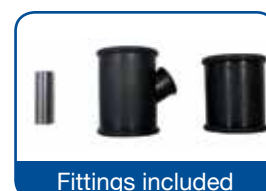
Technical Data

Power supply: 24 V DC/AC @50/60 Hz
 Diameter of fixing pipe: 40 mm
 Dimensions: 130x150x130 mm
 Weight: 670 g
 Consumption: 130 mA

| Turbo Wash | Ref. | Description |
|---|---------|--|
|  | 5079001 | TurboWash 4000 P - 24V AC/DC programmable version (with PCB) |
|  | 1049122 | IT01 Power Unit 230 VAC 50/60 Hz |
|  | 5079002 | TurboWash 4000 - 24V AC/DC Top Wash version (without PCB) |
|  | 3410026 | Rubber sleeve D.38 mm |

Turbo Wash 6100 & 6100P

| Turbo Wash | Ref. | Description |
|---|---------|--|
|  | 5059003 | TurboWash 6100 P - 24V AC/DC programmable version (with PCB) |
|  | 5059004 | TurboWash 6100 - 24V AC/DC Top Wash version (without PCB) |



Milk Pumps

Standard models



Milk Pump FP4100

| Ref. | Description | MAX FLOW m³/h | | Motor | | | | |
|---------|---------------------------|------------------|-----------------|----------|-------------------|----|---------|------|
| | | Capacity @100kPa | Capacity @50kPa | Motor kW | Absorb. (A) @50Hz | Hz | Voltage | RPM |
| 9000636 | FP4100 MON 0.55 kW | 12 | 8 | 0,55 | 4,1 | 50 | 220-240 | 2700 |
| 9000637 | FP4100 TRI 0.55 kW | 12 | 8 | 0,55 | 2,36/1,36 | 50 | 230-400 | 2800 |
| 9000869 | FP4100 MON 0.63 kW - 60Hz | 12 | 8 | 0,63 | 4,1 | 60 | 220-240 | 3300 |
| 9001378 | FP4100 TRI 0.63 kW - 60Hz | 12 | 8 | 0,63 | 2,36/1,36 | 60 | 440-480 | 3400 |
| 9000642 | Milk Pump Kit FP4100 | 12 | 8 | | | | | |

- Capacity: 12 m³/h (200 l/min) @100kPa / 8 m³/h (133 l/min) @50kPa
- Inlet diameter: 32 mm • Outlet diameter: 22 mm + threaded part • Double bladed impeller



Milk Pump FP4600

| | | | | | | | | |
|---------|----------------------------|----|----|------|-----------|----|---------|------|
| 9000638 | FP4600 MON 0.75 kW | 16 | 13 | 0,75 | 5,5 | 50 | 220-240 | 2700 |
| 9000639 | FP4600 TRI 0.75 kW | 16 | 13 | 0,75 | 3,05/1,75 | 50 | 230-400 | 2855 |
| 9000640 | FP4600 TRI 1.1 kW | 16 | 13 | 1,1 | 4,2/2,4 | 50 | 460-603 | 2845 |
| 9002090 | FP4600 MON 0.75 kW - 60 Hz | 16 | 13 | 0,75 | 5,5 | 60 | 220-240 | 3240 |
| 9000643 | Milk Pump Kit FP4600 | 16 | 13 | | | | | |

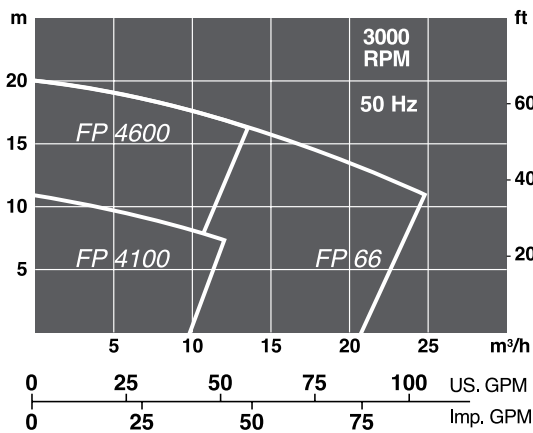
- Capacity: 16 m³/h (266 l/min) @100kPa / 13 m³/h (216 l/min) @50kPa
- Inlet diameter: 50 mm • Outlet diameter: 25 mm + threaded part • Double bladed impeller



Transfer Pump

| | | | | | | | | |
|---------|------------------------|----|----|------|-----------|----|---------|------|
| 9000986 | FP4600 S/N MON 0.75 kW | 16 | 13 | 0,75 | 5,5 | 50 | 220-240 | 2700 |
| 9000987 | FP4600 S/N TRI 0.75 kW | 16 | 13 | 0,75 | 3,05/1,75 | 50 | 230-400 | 2855 |
| 9001017 | FP66 TRI 1.5 kW | 18 | 15 | 1,5 | 6,2/3,6 | 50 | 230-400 | 2800 |
| 9001645 | FP66 TRI 1.1 kW (D.40) | 18 | 15 | 1,1 | 4,25/2,49 | 50 | 220-380 | 2800 |
| 9001717 | FP66 TRI 0.55 kW | 18 | 15 | 0,55 | 2,36/1,36 | 50 | 230-400 | 2800 |
| 9000988 | Milk Pump Kit FP66 | 18 | 15 | | | | | |

- Capacity: 18 m³/h (300 l/min) @100kPa
- Inlet diameter: 40 & 50 mm • Outlet Diameter: 25 mm + Threaded part



Trolley Kit for FP4100/4600/66

| REF | Note |
|---------|------------------------------------|
| 9002869 | Pump NOT included - Cover included |



Spare parts

| | Ref. | Note |
|---|--------------------|---|
|  | 9002568 9001428 | Mechanic seal for FP4100 & FP4600 Mechanic seal for FP66 |
|  | 9000903 9000904 | Casing seal for FP4100 Casing seal for FP4600 |
|  | 9000736 | Rubber flap valve |
|  | 9002762 | Metal flap valve for FP66 1.5 kW (9001017) |

UTV Spare Parts



UTV control box

| REF | Note |
|---------|---------------------------|
| 9001249 | for mono phase milk pump |
| 9000608 | for three phase milk pump |



A6D component

| REF | Note |
|---------|------|
| 9001458 | |



UTV control box remote switch

| REF | Note |
|---------|-----------------------------|
| 9001414 | for three phase control box |
| 9001420 | for mono phase control box |



Accessories

| REF | Note |
|---------|---------|
| 9000607 | FP 4100 |
| 9000651 | FP 4600 |



Accessories

| REF | Note |
|---------|------------|
| 9000645 | 32 mm |
| 9000646 | 32 / 40 mm |

3400106
FDA Approved



Accessories

| REF | Note |
|---------|------------|
| 9000647 | 32 mm |
| 9000648 | 32 / 40 mm |



2 ways Distributor

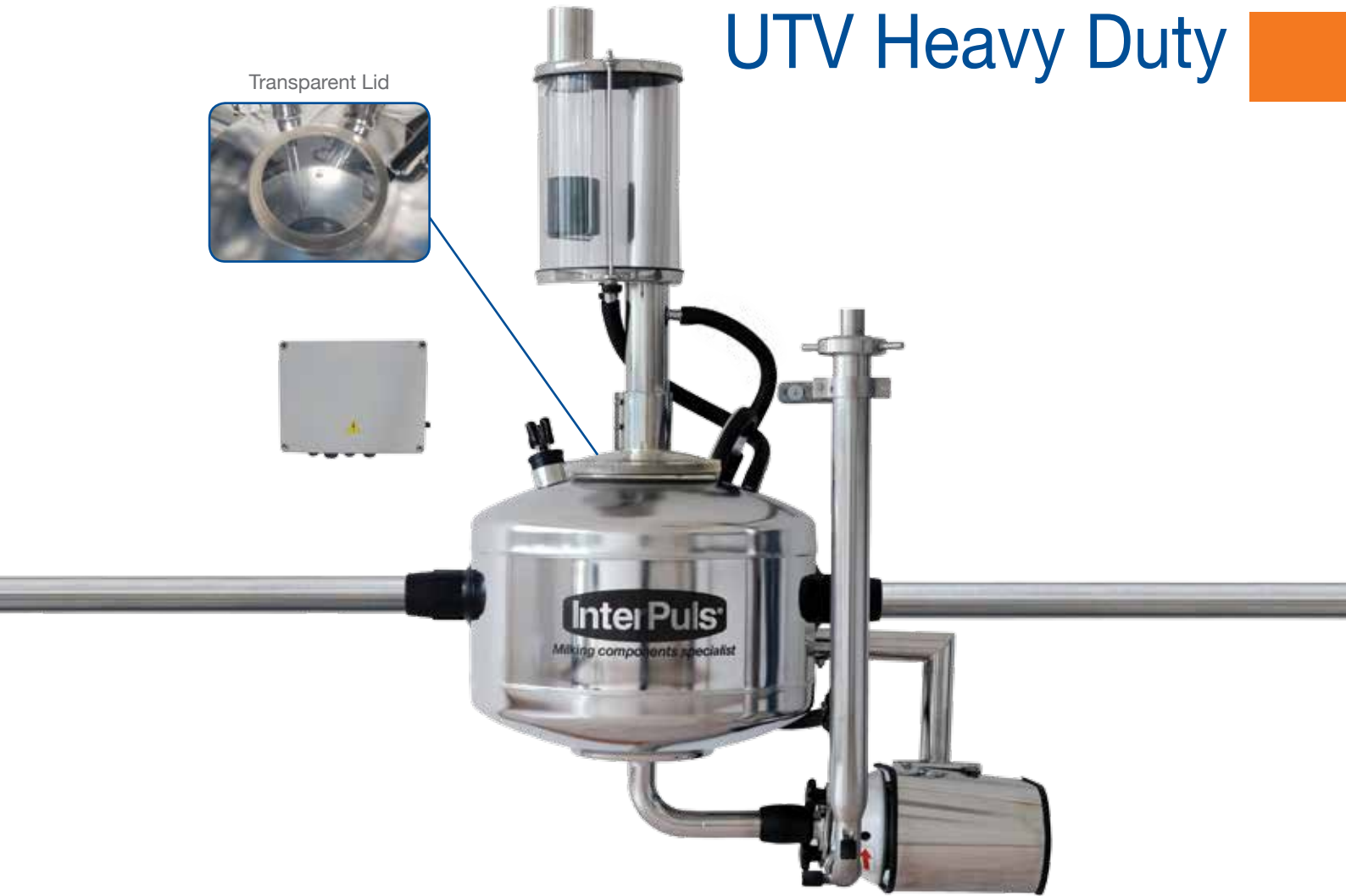
| REF | Size |
|---------|------------|
| 9000725 | 11 x 16 mm |



Elbow Double Drain

| REF | Note |
|---------|---|
| 9002189 | D.32 for FP4100, FP4600 and FP66 1.1 kW pumps |
| 9002190 | D.38 |
| 9002191 | D.40 |
| 9002192 | D.40 only for FP66 1.5 kW pumps |

UTV Heavy Duty



UTV Heavy Duty @50Hz

| Ref. | Capacity | Milk Line | Milk Pump |
|---------|----------|-----------|------------|
| 9002841 | 54 L | 40 | 4100 Mono. |
| 9002842 | 54 L | 52 | 4100 Tri. |
| 9002843 | 84 L | 63 | 4100 Tri. |
| 9002844 | 84 L | 70 | 4100 Tri. |
| 9002845 | 104 L | 63 | 4600 Tri. |
| 9002846 | 104 L | 70 | 4600 Tri. |

UTV Heavy Duty @60Hz

| Ref. | Capacity | Milk Line | Milk Pump |
|---------|----------|-----------|------------|
| 9002847 | 54 L | 40 | 4100 Mono. |
| 9002848 | 54 L | 52 | 4100 Tri. |
| 9002849 | 84 L | 63 | 4100 Tri. |
| 9002850 | 84 L | 70 | 4100 Tri. |
| 9002851 | 104 L | 63 | 4600 Tri. |
| 9002852 | 104 L | 70 | 4600 Tri. |

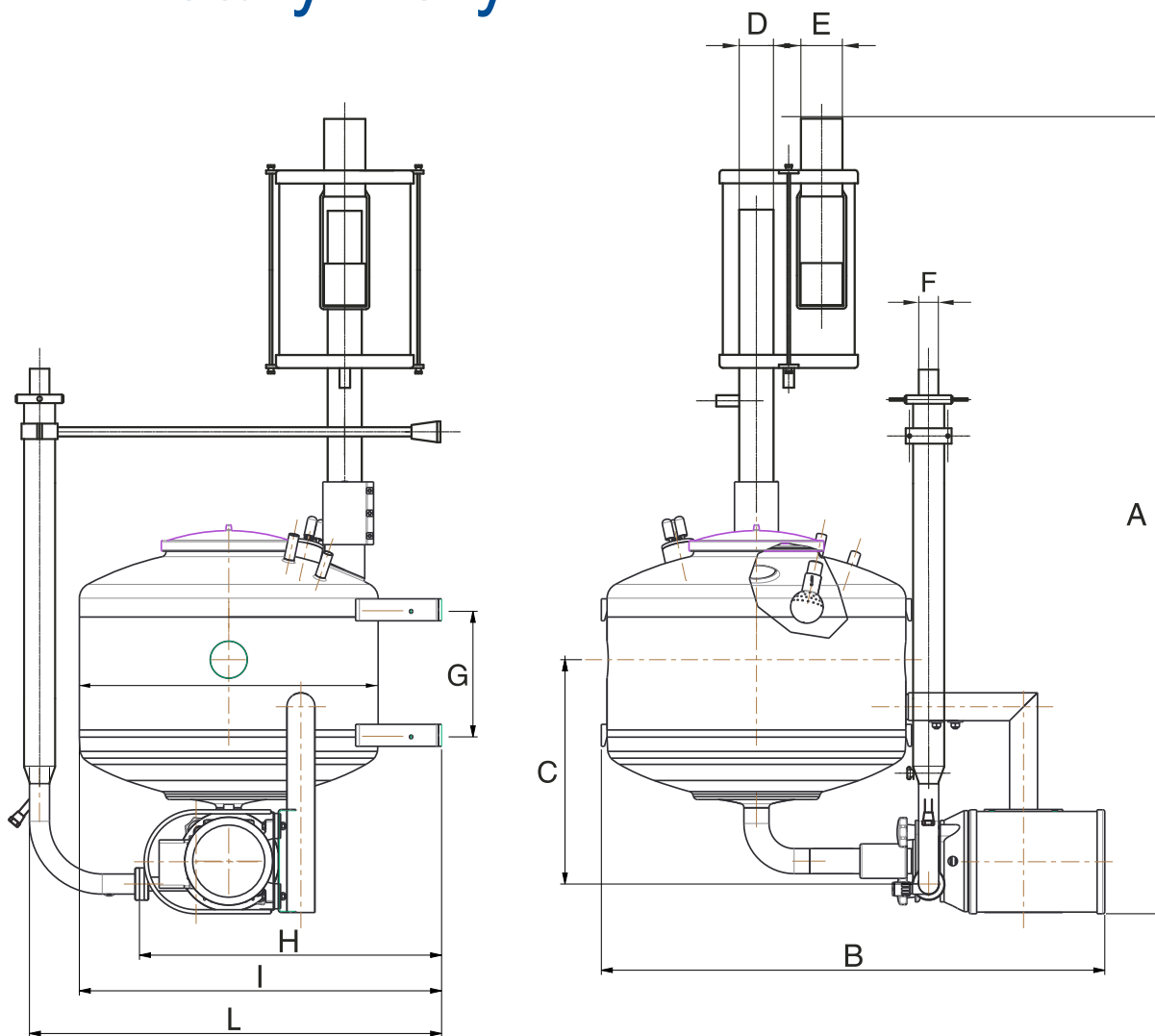


UTTL 50L Glass Receiver

| Ref. | Capacity | Milk Line | Milk Pump |
|---------|----------|-----------|------------|
| 9000893 | 50 L | 40 | 4100 Mono. |
| 9001298 | 50 L | 50 | 4100 Mono. |
| 9001793 | 50 L | 60 | 4100 Tri. |

UTTL 50L

UTV Heavy Duty



| | UTV HD 54L | UTV HD 84L | UTV HD 104L |
|-----------------|---|--|--|
| A | 1.330 | 1.470 | 1.650 |
| B | 800 | 800 | 840 |
| C | 360 | 500 | 680 |
| D | 63 | 63 | 76 |
| E | 63 | 63 | 76 |
| F | 32 | 32 | 40 |
| G | 200 | 320 | 460 |
| H | 480 | 480 | 510 |
| I | 570 | 570 | 570 |
| L | 660 | 660 | 700 |
| Sanitary trap | 2209074 | 2209074 | 2209073 |
| Milk filter | 2409117 | 2409117 | 2409118 |
| Milk pump @50Hz | 9002853 - FP4100 0.55 kW Mono. 9002854 - FP4100 0.55 kW Three. | 9002854 - FP4100 0.55 kW Three. | 9002855 - FP4600 1.1 kW Three. |
| Milk pump @60Hz | 9002856 - FP4100 0.55 kW Mono. 9002857 - FP4100 0.55 kW Three. | 9002857 - FP4100 0.55 kW Three. | 9002858 - FP4600 1.1 kW Three. |
| Control box | 9001249 Monophase 9000608 Triphase | 9000608 Triphase | 9000608 Triphase |
| Milk Entry | 9000359 40x59 9000360 50x59 | 9000361 63x76 9000362 70x76 | 9000361 63x76 9000362 70x76 |

Indicative dimensions in mm.

Vacuum pumps & Portable Milking Machine

For high reliability and high efficiency. Our vacuum pumps deliver outstanding dependability from rugged cast-iron pump housing; powerful, proven motors; long life, low rpm operation; and innovative designs that minimize moving parts. Replacing vanes is simple and inexpensive.

Las bombas rotativas de paletas para vacío son altamente fiables y eficientes.

Nuestras bombas para vacío ofrecen una gran fiabilidad, gracias a su cuerpo de hierro fundido con estructura reforzada, motores potentes y seguros, funcionamiento a bajo régimen y duración; su diseño es innovador y tendente a hacer que sea mínimo el número de los órganos en movimiento. La sustitución de las paletas es sencilla y económica.

EPV



Monophase Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | V | HZ | Capacity@50kPa [l. / min] | Note |
|----------|--------|-------|----|------|-----|----|---------------------------|------|
| 6159003 | EPV170 | 1.400 | 1 | 0,75 | 220 | 50 | 170 | Dry |
| 6159009 | EPV170 | 1.700 | 1 | 0,75 | 220 | 60 | 170 | Dry |
| 6159027* | EPV170 | 1.700 | 1 | 0,75 | 110 | 60 | 170 | Dry |

* US Plug

EPV



Monophase Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | V | HZ | Capacity@50kPa [l. / min] | Note |
|----------|--------|-------|----|------|-----|----|---------------------------|------|
| 6159004 | EPV220 | 1.400 | 1 | 0,75 | 220 | 50 | 220 | Dry |
| 6159010 | EPV220 | 1.700 | 1 | 0,75 | 220 | 60 | 220 | Dry |
| 6159028* | EPV220 | 1.700 | 1 | 0,75 | 110 | 60 | 220 | Dry |

* US Plug

GEPV



Monophase Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | V | HZ | Capacity@50kPa [l. / min] | Note | Vacuum tank capacity |
|---------|---------|-------|----|------|-----|----|---------------------------|------|----------------------|
| 6159007 | GEPV170 | 1.400 | 1 | 0,75 | 220 | 50 | 170 | Dry | 17 L |
| 6159011 | GEPV170 | 1.700 | 1 | 0,75 | 220 | 60 | 170 | Dry | 17 L |
| 6159005 | GEPV170 | 1.700 | 1 | 0,75 | 110 | 60 | 170 | Dry | 17 L |
| 6159008 | GEPV220 | 1.400 | 1 | 0,75 | 220 | 50 | 220 | Dry | 17 L |
| 6159012 | GEPV220 | 1.700 | 1 | 0,75 | 220 | 60 | 220 | Dry | 17 L |
| 6159006 | GEPV220 | 1.700 | 1 | 0,75 | 110 | 60 | 220 | Dry | 17 L |

Monophase Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | V | HZ | Capacity@50kPa [l. / min] | Note | Vacuum tank capacity |
|---------|--------|-------|-----|------|-----|----|---------------------------|------|----------------------|
| 9001782 | GPV450 | 1.400 | 2,0 | 1,50 | 220 | 50 | 450 | Oil | 25 L |
| 9001867 | GPV450 | 1.700 | 2,0 | 1,50 | 220 | 60 | 450 | Oil | 25 L |

GEPV Accessories

A



B



| REF | Note |
|---------|------------------------------------|
| 3400018 | A - 3/4" - Spring Vacuum regulator |
| 5120001 | B - Vacuum gauge D. 63 mm - 1/4" |

Cows & Buffaloes

PMM 170

| Ref. | Description | Model | V | Hz |
|----------------|--------------|-------|-----|----|
| 6019036 | PMM 1 Bucket | 1 Cow | 220 | 50 |
| 6019067 | PMM 1 Bucket | 1 Cow | 220 | 60 |
| 6019030 | PMM 1 Bucket | 1 Cow | 110 | 60 |



Set up:

| | |
|-------------|-----------------------------|
| Pulsator | 1 x L02 S/S cover 60/40 |
| Cluster | 1 x Lunik200 + IPL01 Liners |
| Bucket | 1 x Ecobucket 30L |
| Vacuum Pump | 1 x EPV170 dry |

PMM 220

| Ref. | Description | Model | V | Hz |
|----------------|---------------|--------|-----|----|
| 6019044 | PMM 2 Buckets | 2 Cows | 220 | 50 |
| 6019070 | PMM 2 Buckets | 2 Cows | 220 | 60 |
| 6019032 | PMM 2 Buckets | 2 Cows | 110 | 60 |



Set up:

| | |
|-------------|-------------------------------|
| Pulsator | 1 x L02 S/S cover 60/40 exits |
| Cluster | 2 x Lunik200 + IPL01 Liners |
| Bucket | 2 x Ecobucket 30L |
| Vacuum Pump | 1 x GEPV220 dry 17 L tank |

PMM 450

| Ref. | Description | Model | V | Hz |
|----------------|---------------|--------|-----|----|
| 9001783 | PMM 2 Buckets | 2 Cows | 220 | 50 |
| 9001862 | PMM 2 Buckets | 2 Cows | 220 | 60 |



Set up:

| | |
|-------------|-------------------------------|
| Pulsator | 2 x L02 S/S cover 60/40 |
| Cluster | 2 x Lunik200 + IPL01 Liners |
| Bucket | 2 x Ecobucket 30L |
| Vacuum Pump | 1 x GPV450 oil with 25 L tank |

PMM 450

| Ref. | Description | Model | V | Hz |
|----------------|---------------|--------|-----|----|
| 9001784 | PMM 2 Buckets | 4 Cows | 220 | 50 |
| 9001863 | PMM 2 Buckets | 4 Cows | 220 | 60 |



Set up:

| | |
|-------------|-------------------------------|
| Pulsator | 2 x L02 S/S cover 60/40 |
| Cluster | 4 x Lunik200 + IPL01 Liners |
| Bucket | 2 x Ecobucket 30L |
| Vacuum Pump | 1 x GPV450 oil with 25 L tank |



Fixed station GEPV 220 for 2 Buckets

| REF | Model | RPM | HP | KW | V | HZ | Capacity @50kPa [l. / min] | Note | Vacuum tank capacity | Buckets |
|---------|---------|-------|----|------|-----|----|----------------------------|------|----------------------|---------------|
| 6159018 | GEPV220 | 1.400 | 1 | 0,75 | 220 | 50 | 220 | Dry | 17 L | for 2 buckets |
| 6159014 | GEPV220 | 1.400 | 1 | 0,75 | 220 | 60 | 220 | Dry | 17 L | |
| 6159017 | GEPV170 | 1.400 | 1 | 0,75 | 220 | 50 | 170 | Dry | 17L | for 1 bucket |



Rotary vane vacuum pump trolley

| REF | Model | RPM | HP | KW | V | HZ | Capacity @50kPa [l. / min] | Note | Vacuum tank capacity |
|---------|---------|-------|----|------|-----|----|----------------------------|------|----------------------|
| 6159019 | GEPV170 | 1.400 | 1 | 0,75 | 220 | 50 | 170 | Dry | 30 L |
| 6159015 | GEPV170 | 1.700 | 1 | 0,75 | 220 | 60 | 170 | Dry | 30 L |
| 6159020 | GEPV220 | 1.400 | 1 | 0,75 | 220 | 50 | 220 | Dry | 30 L |
| 6159016 | GEPV220 | 1.700 | 1 | 0,75 | 220 | 60 | 220 | Dry | 30 L |

Sheep & Goats

PMM 220 - Classic Cluster

| Ref. | Description | Model | V | Hz |
|---------|--------------|-----------------|-----|----|
| 6019053 | PMM 1 Bucket | 2 Sheep Classic | 220 | 50 |
| 6019055 | PMM 1 Bucket | 2 Goats Classic | 220 | 50 |

Portable Milking Machine set up:

| | |
|------------------|---|
| Pulsator (Sheep) | 1 x L02 S/S cover 50/50 - 120ppm |
| Pulsator (Goats) | 1 x L02 S/S cover 60/40 - 90ppm |
| Clusters | 2 x Classic Sheep or Goats with ITP205 sim. |
| Bucket | 1 x Ecobucket 30L |
| Vacuum Pump | 1 x GEPV220 dry with 17L tank |



PMM 220 - Vanguard Cluster

| Ref. | Description | Model | V | Hz |
|---------|--------------|------------------|-----|----|
| 6019054 | PMM 1 Bucket | 2 Sheep Vanguard | 220 | 50 |
| 6019056 | PMM 1 Bucket | 2 Goats Vanguard | 220 | 50 |

Portable Milking Machine set up:

| | |
|------------------|--|
| Pulsator (Sheep) | 1 x L02 S/S cover 50/50 - 120ppm |
| Pulsator (Goats) | 1 x L02 S/S cover 60/40 - 90ppm |
| Clusters | 2 x Vanguard Sheep or Goats with ITP205 sim. |
| Bucket | 1 x Ecobucket 30L |
| Vacuum Pump | 1 x GEPV220 dry with 17L tank |





PMM 450 - Classic Cluster

| Ref. | Description | Model | V | Hz |
|---------|---------------|-----------------|-----|----|
| 9001785 | PMM 2 Buckets | 4 Sheep Classic | 220 | 50 |
| 9001786 | PMM 2 Buckets | 4 Goats Classic | 220 | 50 |

Portable Milking Machine set up:

| | |
|------------------|---|
| Pulsator (Sheep) | 2 x L02 S/S cover 50/50 - 120ppm |
| Pulsator (Goats) | 2 x L02 S/S cover 60/40 - 90ppm |
| Clusters | 4 x Classic Sheep or Goats with ITP205 sim. |
| Bucket | 2 x Ecobucket 30L |
| Vacuum Pump | 1 x GEPV450 oil with 25L tank |



PMM 450 - Vanguard Cluster

| Ref. | Description | Model | V | Hz |
|---------|---------------|------------------|-----|----|
| 9001787 | PMM 2 Buckets | 4 Sheep Vanguard | 220 | 50 |
| 9001788 | PMM 2 Buckets | 4 Goats Vanguard | 220 | 50 |

Portable Milking Machine set up:

| | |
|------------------|--|
| Pulsator (Sheep) | 2 x L02 S/S cover 50/50 - 120ppm |
| Pulsator (Goats) | 2 x L02 S/S cover 60/40 - 90ppm |
| Clusters | 4 x Vanguard Sheep or Goats with ITP205 sim. |
| Bucket | 2 x Ecobucket 30L |
| Vacuum Pump | 1 x GEPV450 oil with 25L tank |

Chassis + Pump Kit



PMM kit 170

| Ref. | Description | Model | V | Hz |
|---------|--------------|--------|-----|----|
| 6019004 | 1 Bucket kit | EPV170 | 220 | 50 |
| 6019007 | 1 Bucket kit | EPV170 | 220 | 60 |
| 6019001 | 1 Bucket kit | EPV170 | 110 | 60 |



PMM kit 220

| Ref. | Description | Model | V | Hz | Tank |
|---------|--------------|---------|-----|----|------|
| 6019006 | 1 Bucket kit | GEPV220 | 220 | 50 | 17L |
| 6019009 | 1 Bucket kit | GEPV220 | 220 | 60 | 17L |
| 6019003 | 1 Bucket kit | GEPV220 | 110 | 60 | 17L |

GEPV 220 VANES x4 set



6100022
82x42,5x5



PMM kit 220

| Ref. | Description | Model | V | Hz | Tank |
|---------|---------------|---------|-----|----|------|
| 6019005 | 2 Buckets kit | GEPV220 | 220 | 50 | 17L |
| 6019008 | 2 Buckets kit | GEPV220 | 220 | 60 | 17L |
| 6019002 | 2 Buckets kit | GEPV220 | 110 | 60 | 17L |



PMM kit 450

| Ref. | Description | Model | V | Hz | Tank |
|---------|---------------|---------|-----|----|------|
| 9001780 | 2 Buckets kit | GEPV450 | 220 | 50 | 25L |
| 9001861 | 2 Buckets kit | GEPV450 | 220 | 60 | 25L |

GEPV 450 VANES x4 set



9002364
85x55x6



OD -1" - 1/4



GPV



PV



PV & GPV 350: Thriphase-50Hz - Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | Amp. | Capacity@50kPa [l. / min] | Electric Motor Pulley size | Vacuum Pump Pulley size | Vacuum tank capacity |
|----------|--------|-------|-----|-----|------|--------------------------------|-------------------------------|----------------------------|-------------------------|
| 9000163* | PV350 | - | - | - | - | 350 | - | 130 1A | - |
| 9000187 | GPV350 | 1.400 | 1,5 | 1,1 | 5,8 | 350 | 130 1A | 130 1A | 45 L |

*complete with oiler, belt, pulley and silencer



PV



GPV

OD -2"



PV



PV & GPV 500: Thriphase-50Hz - Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | Amp. | Capacity@50kPa [l. / min] | Electric Motor Pulley size | Vacuum Pump Pulley size | Vacuum tank capacity |
|-----------|--------|-------|-----|-----|------|--------------------------------|-------------------------------|----------------------------|-------------------------|
| 9000871* | PV500 | - | - | - | - | 500 | - | - | - |
| 9000665** | PV500 | - | - | - | - | 500 | - | 150 1A | - |
| 9000125 | GPV500 | 1.250 | 2,0 | 1,5 | 8,5 | 500 | 130 1A | 150 1A | 65 L |

*vacuum pump only

**complete with oiler, belt, pulley and silencer



PV



GPV

OD -2"



PV



PV & GPV 750: Thriphase-50Hz - Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | Amp. | Capacity@50kPa [l. / min] | Electric Motor Pulley size | Vacuum Pump Pulley size | Vacuum tank capacity |
|-----------|--------|-------|-----|-----|------|--------------------------------|-------------------------------|----------------------------|-------------------------|
| 9000872* | PV750 | - | - | - | - | 750 | - | - | - |
| 9000668** | PV750 | - | - | - | - | 750 | - | 150 1A | - |
| 9000156 | GPV750 | 1.250 | 3,0 | 2,3 | 11,0 | 750 | 130 1A | 150 1A | 65 L |

*vacuum pump only

**complete with oiler, belt, pulley and silencer

Suggested lubricating oil: ISO 46



PV



GPV


OD - 2" for 65 L
OD - 3" for 85 L



PV



PV & GPV 1000 - 1500: Thriphase-50Hz - Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | Amp. | Capacity@50kPa [l. / min] | Electric Motor Pulley size | Vacuum Pump Pulley size | Tank | Servo  |
|-----------|---------|-------|-----|-----|------|---------------------------|----------------------------|-------------------------|------|---|
| 9000873* | PV1000 | - | - | - | - | 1000 | - | - | - | |
| 9000247** | PV1000 | - | - | - | - | 1000 | - | 150 1B | - | |
| 9000157 | GPV1000 | 1.200 | 4,0 | 3,0 | 5,2 | 1000 | 130 1B | 150 1B | 65 L | |
| 9002252 | GPV1000 | 1.200 | 4,0 | 3,0 | 5,2 | 1000 | 130 1B | 150 1B | 65 L | ● |
| 9001330* | PV1500 | - | - | - | - | 1500 | - | - | - | |
| 9000385** | PV1500 | - | - | - | - | 1500 | - | 150 1B | - | |
| 9000470 | GPV1500 | 1.300 | 5,5 | 4,0 | 7,4 | 1500 | 140 1B | 150 1B | 85 L | |
| 9002253 | GPV1500 | 1.300 | 5,5 | 4,0 | 7,4 | 1500 | 140 1B | 150 1B | 85 L | ● |

*vacuum pump only

**complete with oiler, belt, pulley and silencer



GPV without Vacuum Tank



GPV 2200 - 3300: Thriphase-50Hz - Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | Amp. | Capacity@50kPa [l. / min] | Electric Motor Pulley size | Vacuum Pump Pulley size |
|---------|---------|-------|------|-----|------|---------------------------|----------------------------|-------------------------|
| 9000471 | GPV2200 | 1.350 | 7,5 | 5,5 | 10,9 | 2200 | 140 2B | 150 2B |
| 9000854 | GPV3300 | 1.350 | 10,0 | 7,5 | 12,7 | 3300 | 130 2B | 180 2B |



PV



GPV


OD - 3" for 85 L
OD - 4" for 110 L



PV



PV & GPV 2200 - 3300: Thriphase-50Hz - Rotary vane vacuum pumps

| REF | Model | RPM | HP | KW | Amp. | Capacity@50kPa [l. / min] | Electric Motor Pulley size | Vacuum Pump Pulley size | Tank | Servo  |
|-----------|---------|-------|------|-----|------|---------------------------|----------------------------|-------------------------|-------|---|
| 9000875* | PV2200 | - | - | - | - | 2200 | - | - | - | |
| 9000718** | PV2200 | - | - | - | - | 2200 | - | 150 2B | - | |
| 9000472 | GPV2200 | 1.350 | 7,5 | 5,5 | 10,9 | 2200 | 140 2B | 150 2B | 85 L | |
| 9002254 | GPV2200 | 1.350 | 7,5 | 5,5 | 10,9 | 2200 | 140 2B | 150 2B | 85 L | ● |
| 9000876* | PV3300 | - | - | - | - | 3300 | - | - | - | |
| 9001255** | PV3300 | - | - | - | - | 3300 | - | 180 2B | - | |
| 9001260 | GPV3300 | 1.350 | 10,0 | 7,5 | 12,7 | 3300 | 130 2B | 180 2B | 110 L | |
| 9002255 | GPV3300 | 1.350 | 10,0 | 7,5 | 12,7 | 3300 | 130 2B | 180 2B | 110 L | ● |

*vacuum pump only

**complete with oiler, belt, pulley and silencer

Suggested lubricating oil: ISO 46

Vacuum Accessories



| REF | Remote control switch | | | Vacuum Pump Type | | |
|---------|-----------------------|-----------|--------------|------------------|-------------------|------------|
| | Current range (A) | Switching | Input Output | Description | Motor Voltage (V) | Power (kW) |
| 9001072 | 0 - 7 | 24 V - AC | 3/3 | E.P.V. 220 | 220 | 0,75 |
| 9001072 | 0 - 7 | 24 V - AC | 3/3 | G.E.P.V. 220 | 220 | 0,75 |
| 9001072 | 0 - 7 | 24 V - AC | 3/3 | E.P.V. 170 | 220 | 0,75 |
| 9001072 | 0 - 7 | 24 V - AC | 3/3 | G.E.P.V. 170 | 220 | 0,75 |
| 9001071 | 0 - 5 | 24 V - AC | 3/3 | G.P.V. 350 | 380 | 1,10 |
| 9001071 | 0 - 5 | 24 V - AC | 3/3 | G.P.V. 500 | 380 | 1,50 |
| 9001072 | 0 - 7 | 24 V - AC | 3/3 | G.P.V. 750 | 380 | 2,30 |
| 9001072 | 0 - 7 | 24 V - AC | 3/3 | G.P.V. 1000 | 380 | 3,00 |
| 9001073 | 0 - 11 | 24 V - AC | 3/3 | G.P.V. 1500 | 380 | 4,00 |
| 9001073 | 0 - 11 | 24 V - AC | 3/3 | G.P.V. 2200 | 380 | 5,50 |
| 9001074 | 0 - 13 | 24 V - AC | 3/3 | G.P.V. 3300 | 380 | 7,50 |



| Oilers | | |
|-------------|-------------------------|--------------------|
| REF | Pump model | Note |
| 9000996 | 250 - 350 | |
| 9000997 | 500 - 750 - 1000 | |
| 9000998 | 1500 | |
| 9000720 | 2200 - 3300 | |
| 9000623 | | Oiler Plast. cont. |
| Accessories | Note | |
| 9000623 | Oiler plast. cont. only | |



| Oil separator | | |
|---------------|-------------|------|
| REF | Pump model | Note |
| 9000291 | 500 - 750 | |
| 9000290 | 1000 - 1500 | |



| Drip Oiler | |
|------------|------|
| REF | Note |
| 9001832 | 5 L |

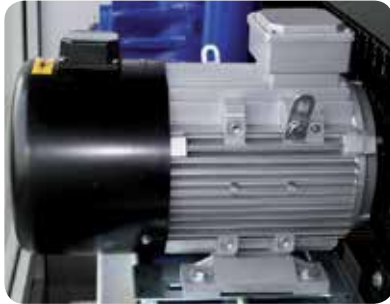


| Balancing tank- 33LTS | |
|-----------------------|----------------------------|
| REF | Note |
| 9001493 | 2 Exits D. 63 "T" Type - 1 |
| 9001494 | 2 Exits D. 90 "L" Type - 2 |

Auxiliary Fans

The Auxiliary Fans are suggested for GPV with motor managed by Frequency Regulator. This allows an optimal motor cooling even with low rotational rates

Los Servo Ventiladores se aconsejan por GPV con motor mandado por el Variador de Frecuencia. Esto permite un enfriamiento optimal del motor tambien con un bajo regimen rotacional.



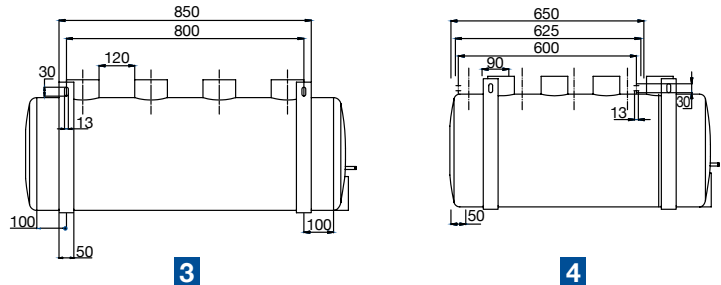
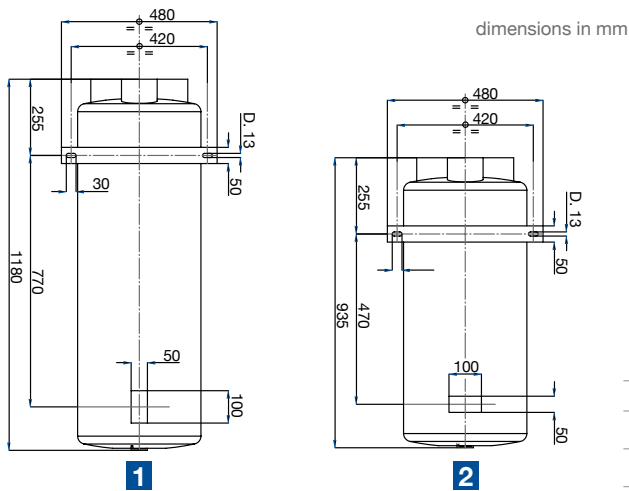
Aux Fans

| REF | Note |
|---------|---|
| 9001740 | Auxiliary Fan for GPV 1500 - 4,0 Kw 380V |
| 9001742 | Auxiliary Fan for GPV 2200-3300 - 7,5 Kw 380V |

Ideal with iDrive100



Hot galvanized vacuum tanks



Vacuum Tanks

| REF | Note |
|---------|--|
| 9000946 | Vertical Tank 110 Lt 3x4" Exits - 1 |
| 9001730 | Vertical Tank 85 Lt. 3x3" Exits - 2 |
| 9000941 | Horizontal Tank 110 Lt. 4x4" Exits - 3 |
| 9001731 | Horizontal Tank 85 Lt. 4x3" Exits - 4 |



Adiprene Sleeves

| REF | Note |
|---------|-------------------------|
| 9001743 | 1"x1"-1/4 (32x40) |
| 9001744 | 1"x1"-1/2 (32x50) |
| 9000776 | 1"-1/4 x 1"-1/4 (40x40) |
| 9001746 | 1"-1/2 x 1"-1/4 (50x40) |
| 9001747 | 2"x 1"-1/4 (60x40) |
| 9001331 | 2"x 1"-1/2 (60x50) |
| 9001228 | 2"x 2"-1/2 (60x75) |
| 9000943 | 3"x 2" (90x60) |
| 9001283 | 3"x 2"-1/2 (90x75) |
| 9001311 | 4"x 2"-1/2 (110x75) |
| 9001310 | 4"x 3" (110x90) |
| 9001400 | 4"x 4" (110x110) |



Slide Gate Valve

| REF | Note |
|---------|-------------------------------------|
| 9002508 | Slide Gate Valve 50 mm |
| 9002509 | Slide Gate Valve 63 mm |
| 9002344 | Slide Gate Valve 75 mm |
| 9002345 | Slide Gate Valve 90 mm |
| 9002346 | Slide Gate Valve 110 mm |
| 9002347 | Slide Gate Valve 110 mm - Pneumatic |

Accessories and Spare Parts



Vacuum Gauge "InterPuls"

| REF | Note |
|---------|---------------|
| 5120001 | D.63 mm 1/4" |
| 5120002 | D.100 mm 3/8" |



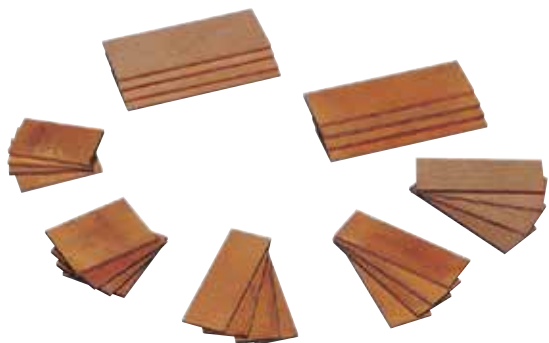
Vacuum Gauge

| REF | Note |
|---------|---------------|
| 5120003 | D.63 mm 1/4" |
| 5120004 | D.100 mm 3/8" |



Analogic Vacuum Gauge adaptor

| REF | Note |
|---------|----------------------------------|
| 9001382 | A - 1/2" M - 3/8" F (for D. 100) |
| 9001383 | B - 1/2" M - 1/4" F (for D. 63) |
| 3400053 | C - D. 32 - 1/2" F |
| 3400054 | C - D. 40 - 1/2" F |
| 3400055 | C - D. 50 - 1/2" F |
| 3400056 | C - D. 63 - 1/2" F |
| 3400058 | C - D. 76 - 1/2" F |
| 3400060 | C - D. 90 - 1/2" F |



Vanes x4 set

| REF | Size [mm.] | Pump model | Note |
|---------|---------------|------------|----------|
| 6100021 | 70 x 42,5 x 5 | EPV 170 | Graphite |
| 6100022 | 82 x 42,5 x 5 | EPV 220 | Graphite |
| 9002351 | 120 x 45 x 5 | PV 350 | Kevlar |
| 9002364 | 85 x 55 x 6 | PV 450 | Kevlar |
| 9002353 | 85 x 65 x 6 | PV 500 | Kevlar |
| 9002354 | 82 x 65 x 6 | PV 750 | Kevlar |
| 9002352 | 164 x 50 x 6 | PV 1000 | Kevlar |
| 9002358 | 164 x 65 x 6 | PV 1500 | Kevlar |
| 9002359 | 245 x 65 x 6 | PV 2200 | Kevlar |
| 9002360 | 289 x 87 x 6 | PV 3300 | Kevlar |

Accessories for Electronic System



| Pump Restart Button | |
|---------------------|---------------------|
| REF | Note |
| 9001196 | Pump Restart Button |



| Bellows | |
|---------|------|
| REF | Note |
| 9001405 | |



| Push Button IP 66 Remote - Start | |
|----------------------------------|------|
| REF | Note |
| 9001372 | |



| Remote control switch | |
|-----------------------|----------------|
| REF | Note |
| 9001071 | 24 VAC 0 ÷ 5A |
| 9001072 | 24 VAC 0 ÷ 7A |
| 9001073 | 24 VAC 0 ÷ 11A |
| 9001074 | 24 VAC 0 ÷ 15A |



| Double Channel Relay | |
|----------------------|--------|
| REF | Note |
| 9002116 | 24 VAC |



| Remote Control Switches box | |
|-----------------------------|-------------------------------------|
| REF | Note |
| 9001563 | Box up to 4 remote control switches |



| Electronic Regulator | |
|----------------------|---------------------------------|
| REF | Note |
| 9001022 | 500 W 3A 160 ÷ 250 VAC @50/60Hz |



| For approved Silicone Grease | |
|------------------------------|------------------------|
| REF | Note |
| 9001332 | for electric contracts |



| Silicone Grease for high temperatures | |
|---------------------------------------|------------------------|
| REF | Note |
| 9001457 | for electric contracts |



| Safety Switch | |
|---------------|-------------|
| REF | Note |
| 9001252 | for TW Lite |



| Vacuum Level Alarm Light Kit | |
|------------------------------|------|
| REF | Note |
| 5109023 | |

Stall Ventilation Systems

Axial Fan



Axial Fan Benefits:

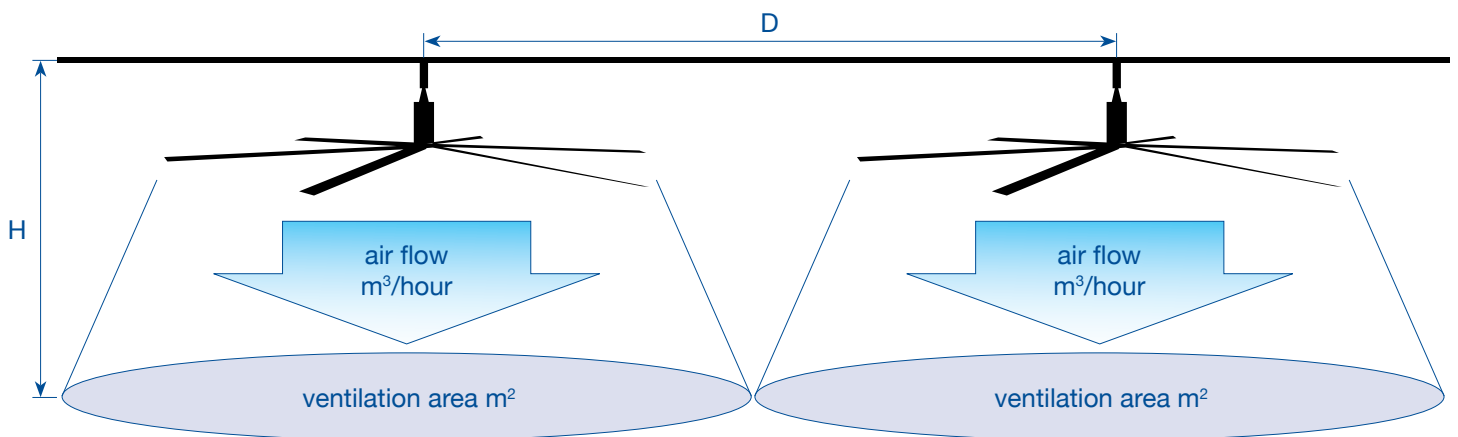
- Improves stall ventilation during the warm season
- Reduced moisture in the air
- Less heat stress for animals
- Reduced presence of insects and pests
- Significant increase in milk production
- Patented anti-fall blade system
- Quiet thanks to its low rotational speed

Ventajas del Axial Fan:

- Mejora el refrescamiento del establo durante la estación calurosa
- Reduce el porcentaje de humedad en el aire
- Menos estrés por el calor para los animales
- Menos presencia de insectos y parásitos
- Aumento significativo de la producción de leche
- Sistema patentado a prueba de caída de las paletas
- Silencioso gracias al bajo número de revoluciones de rotación

Axial Fan Blades Set

| REF | Model | D [mm] | N° Blade | Air Flow m ³ /hour @ 50 Hz | Ventilation area [m ²] | Weight [Kg] |
|---------|----------------|----------|----------|---------------------------------------|-------------------------------------|---------------|
| 9001816 | Axial Fan 4000 | 4000 | 6 | 150.000 | 200 | 24,5 |
| 9001817 | Axial Fan 5000 | 5000 | 6 | 180.000 | 300 | 28,8 |
| 9001818 | Axial Fan 6000 | 6000 | 6 | 200.000 | 600 | 33,6 |
| 9001819 | Axial Fan 7000 | 7000 | 6 | 230.000 | 1000 | 37,4 |

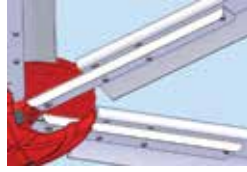


D → Axial Fan 4000 = 16 m, Axial Fan 5000 = 20 m, Axial Fan 6000 = 28 m, Axial Fan 7000 = 38 m

H = 2 m + D/2 Ex.: Axial Fan 7000 → 2 m + (7000/2) = 5,5 m



Wind Kit



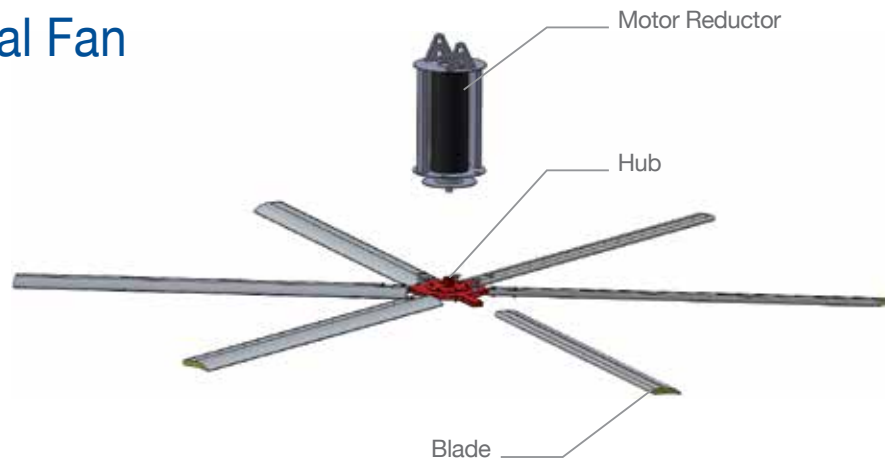
Hub for Axial Fan Blades

| REF | Note |
|---------|--|
| 9001840 | Hub for Axial Fan 4000 |
| 9002148 | Hub for Axial Fan 5000 + Wind Kit |
| 9002150 | Hub for Axial Fan 6000-7000 + Wind Kit |

Beam Bracket

| REF | Note |
|---------|----------------------------|
| 9001820 | Beam Bracket for Axial Fan |

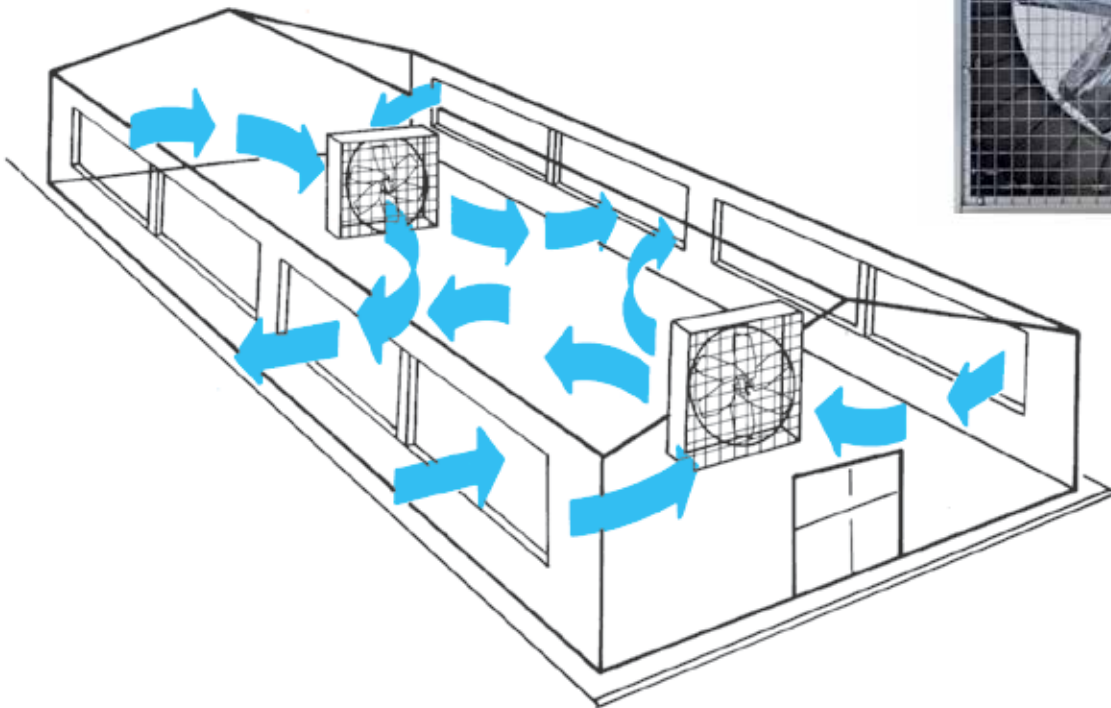
Motor - Reductor for Axial Fan



| REF | Model | Motor | V | kW | Hz | A | Weight [Kg] |
|---------|------------------------------------|-------------|------|-----|----|-----|---------------|
| 9001833 | Motor-Reductor Axial Fan 4000-5000 | three-phase | 380V | 1,1 | 50 | 2,5 | 32,5 |
| 9001834 | Motor-Reductor Axial Fan 6000-7000 | three-phase | 380V | 1,5 | 50 | 3,0 | 39,5 |



Horizontal Fan

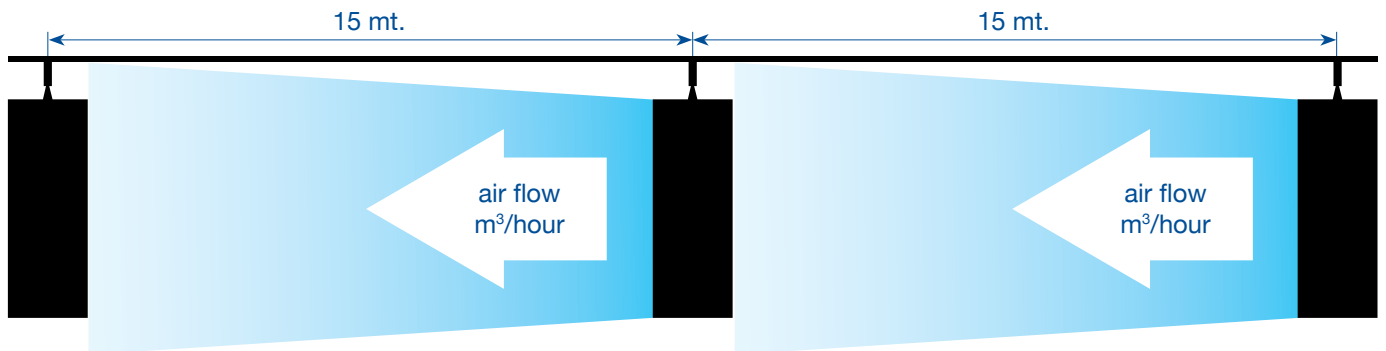


Horizontal Fan Benefits:

- Improved animal height ventilation
- Less heat stress
- Reduced moisture in the air
- Reduced presence of insects and pests
- Significant increase in milk production

Ventajas del Horizontal Fan:

- Mejora la ventilación a la altura del animal
- Menos estrés por el calor
- Reduce el porcentaje de humedad en el aire
- Menos presencia de insectos y parásitos
- Aumento significativo de la producción de leche



Horizontal Fan

| REF | Model | Motor | V | kW | Hz | A | Air Flow [m ³ hour] | Dimensions [mm] | Weight [Kg] |
|----------|----------|-------------|------|------|----|-----|--------------------------------|-------------------|---------------|
| 9001835* | Fan 660 | three-phase | 380V | 0,37 | 50 | 1,4 | 15600 | 800 x 800 x 330 | 28 |
| 9001836* | Fan 780 | three-phase | 380V | 0,37 | 50 | 1,4 | 17000 | 960 x 960 x 330 | 32 |
| 9001837* | Fan 990 | three-phase | 380V | 0,37 | 50 | 2,3 | 25000 | 1150 x 1150 x 330 | 40 |
| 9001838* | Fan 1270 | three-phase | 380V | 0,37 | 50 | 2,3 | 38000 | 1380 x 1380 x 330 | 50 |
| 9001839* | Fan 1750 | three-phase | 380V | 0,37 | 50 | 3,8 | 72000 | 1930 x 1930 x 330 | 75 |

*Product subject to minimum order quantity. Please check with our sales office before placing any inquiry.

Fan Control Box

Suitable for Axial & Horizontal Fans

Fan Controller Benefits:

- Electric cost saving thanks to the inverter technology
- Easy to install
- Easy to program through the practical keyboard
- IP65 Protection class
- Automatic/Manual managing switch
- Manages up to 4 cooling speeds
- Automatic temperature-controlled speed modulation
- Temperature-controlled autostart

TECHNICAL DATA

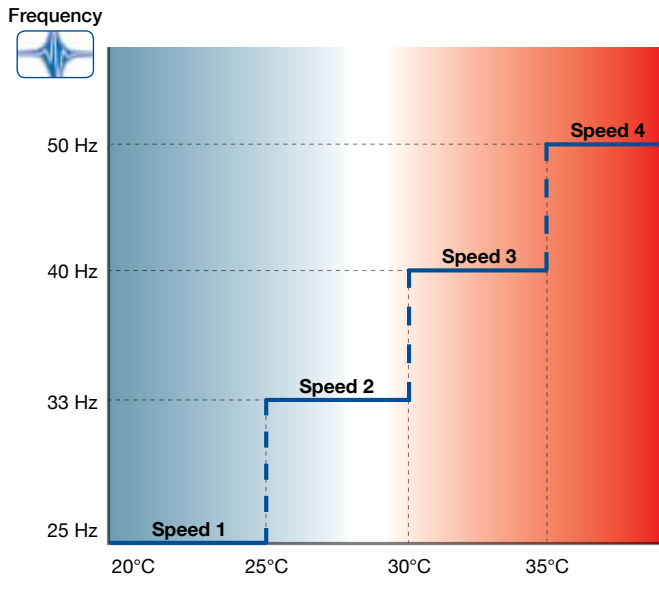
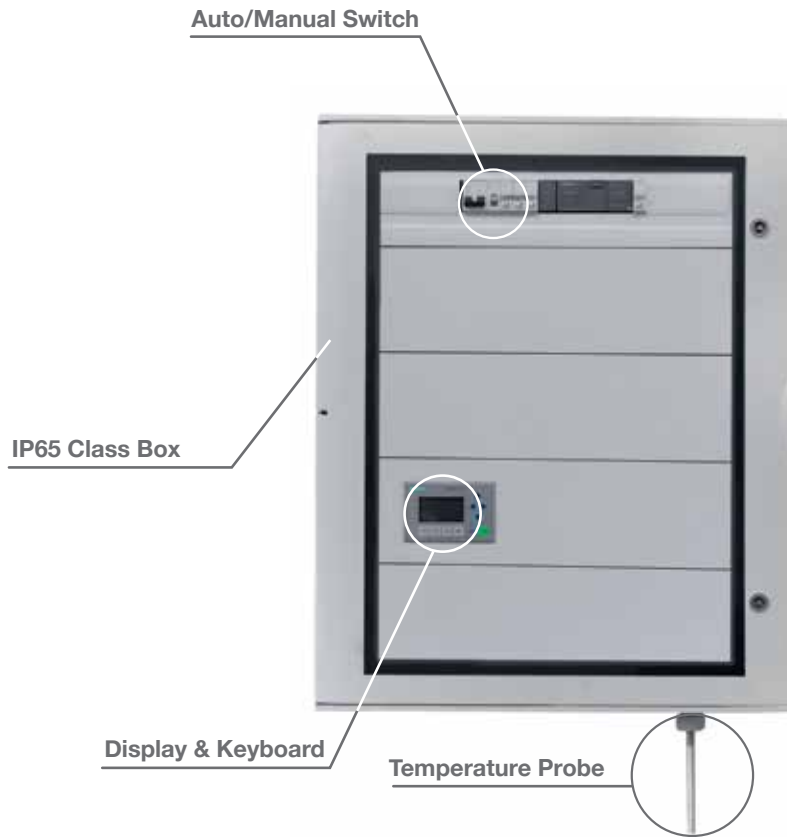
- Input voltage: 380 V - 50/60 Hz
- Power: 1,5 - 5,5 kW

Ventajas del Fan Controller:

- Ahorro en coste eléctrico gracias a la tecnología del Inverter
- Fácil de programar gracias al práctico panel de control
- Clase de protección IP65
- Posibilidad de cambio entre automático y manual
- Controla hasta 4 velocidades de enfriamiento
- Control automático de la velocidad de ventilación respecto a la temperatura
- Sistema de arranque automático relacionado a la temperatura

DATOS TÉCNICOS

- Voltaje: 380 V - 50/60 Hz
- Potencia: 1,5 - 5,5 kW



Inverter Technology

| Fan Controller | | | | |
|----------------|-----|-----|-------|-------------------|
| REF | V | kW | Hz | Dimensions [cm] |
| 7009001 | 380 | 1,5 | 50/60 | 50 x 43 x 21 |
| 7009002 | 380 | 5,5 | 50/60 | 81 x 62 x 32 |

Controller / Fans set up



| Fan Controller | kW | Fan Ref. | Description | No. of Fans | Thermal Switch box | Thermal Switch Ref. | Thermal Switch N° |
|----------------|-----|----------|-------------------------------------|-------------|--------------------|---------------------|-------------------|
| 7009001 | 1,5 | 9001816 | AXIAL FAN 4000 6P (1.1 kW TRI 380V) | 1 | 7000003 | 7000004 | 1 |
| 7009001 | 1,5 | 9001817 | AXIAL FAN 5000 6P (1.1 kW TRI 380V) | 1 | 7000003 | 7000005 | 1 |
| 7009001 | 1,5 | 9001818 | AXIAL FAN 6000 6P (1.5 kW TRI 380V) | 1 | 7000003 | 7000005 | 1 |
| 7009001 | 1,5 | 9001819 | AXIAL FAN 7000 6P (1.5 kW TRI 380V) | 1 | 7000003 | 7000005 | 1 |
| 7009001 | 1,5 | 9001835 | HORIZ. FAN D660MM 0.37 kW TRI 380V | 2 | 7000003 | 7000004 | 2 |
| 7009001 | 1,5 | 9001836 | HORIZ. FAN D780MM 0.37 kW TRI 380V | 2 | 7000003 | 7000004 | 2 |
| 7009001 | 1,5 | 9001837 | HORIZ. FAN D990MM 0.55 kW TRI 380V | 1 | 7000003 | 7000005 | 1 |
| 7009001 | 1,5 | 9001838 | HORIZ. FAN D1270MM 0.75 kW TRI 380V | 1 | 7000003 | 7000005 | 1 |
| 7009001 | 1,5 | 9001839 | HORIZ. FAN D1750MM 1.5 kW TRI 380V | 1 | 7000003 | 7000006 | 1 |



| | | | | | | | |
|---------|-----|---------|-------------------------------------|---|---------|---------|---|
| 7009002 | 5,5 | 9001816 | AXIAL FAN 4000 6P (1.1 kW TRI 380V) | 4 | 7000003 | 7000004 | 4 |
| 7009002 | 5,5 | 9001817 | AXIAL FAN 5000 6P (1.1 kW TRI 380V) | 4 | 7000003 | 7000005 | 4 |
| 7009002 | 5,5 | 9001818 | AXIAL FAN 6000 6P (1.5 kW TRI 380V) | 3 | 7000003 | 7000005 | 3 |
| 7009002 | 5,5 | 9001819 | AXIAL FAN 7000 6P (1.5 kW TRI 380V) | 3 | 7000003 | 7000005 | 3 |
| 7009002 | 5,5 | 9001835 | HORIZ. FAN D660MM 0.37 kW TRI 380V | 4 | 7000003 | 7000004 | 4 |
| 7009002 | 5,5 | 9001836 | HORIZ. FAN D780MM 0.37 kW TRI 380V | 4 | 7000003 | 7000004 | 4 |
| 7009002 | 5,5 | 9001837 | HORIZ. FAN D990MM 0.55 kW TRI 380V | 4 | 7000003 | 7000005 | 4 |
| 7009002 | 5,5 | 9001838 | HORIZ. FAN D1270MM 0.75 kW TRI 380V | 4 | 7000003 | 7000005 | 4 |
| 7009002 | 5,5 | 9001839 | HORIZ. FAN D1750MM 1.5 kW TRI 380V | 3 | 7000003 | 7000006 | 3 |



Thermal Switch

| REF | Note |
|---------|----------------------------|
| 7000004 | Thermal Switch 1,6 - 2,5 A |
| 7000005 | Thermal Switch 2,5 - 4 A |
| 7000006 | Thermal Switch 4 - 6,3 A |



Thermal Switch Box

| REF | Note |
|---------|--------------------------|
| 7000003 | up to 4 Thermal Switches |

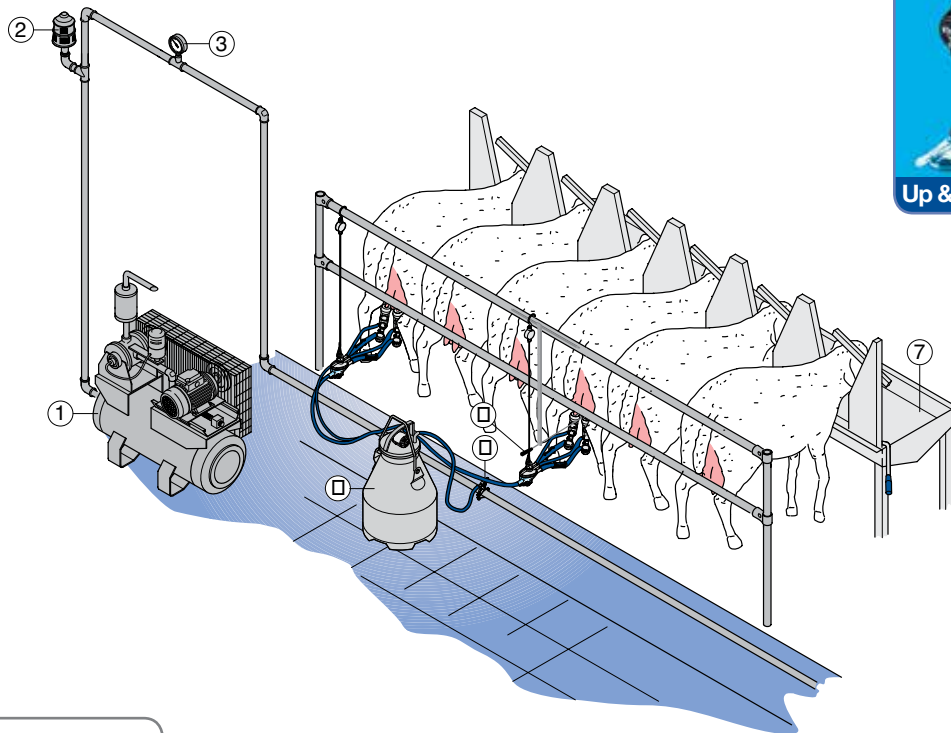
Sheep & Goat Solutions

Time and labour saving self trapping yoking system for sheep and goat, manufactured in corrosion-resistant hot galvanized steel and supplied in multiples of 6. The height is adjustable to cope with ground irregular soil and different animal breed. The feeding trough is adjustable in height as well. Clever & easy to pull lever mechanism to ensure a smooth milking routine and a rapid exit of the small ruminants. Very easy to install.

El empleo del rastrillo de pesebre autocapturante para caprinos y ovinos permite ahorrar tiempo y esfuerzo. El sistema ha sido realizado con acero anticorrosivo galvanizado en caliente y se suministra en múltiplos de 6. La altura puede ser regulada para adaptarse a las irregularidades del suelo y a las distintas especies animales. También puede ser regulada la altura del pesebre. Un mecanismo de palanca, inteligente y fácil de accionar, garantiza el desarrollo normal de la rutina de ordeño y una rápida salida de los pequeños rumiantes. Sumamente fácil de instalar.



1. Vacuum pump
2. Vacuum regulator
3. Vacuum gauge
4. Vacuum cock
5. Bucket assembly
6. Push up
7. Yoke & feeding trough



Sheep & goat yoke & feeding trough

| REF | Module distance [mm.] | Dimensions [mm.] | Weight [Kg] |
|---------|-------------------------|---|---------------|
| 9000461 | 320 (6 station 1.920) | Length 1.930 Width 300 Height 760 | 39 |

Sheep Accessories

Push-up



With InterPuls Push-Up it is possible to:

- Lift the udders and align the teats upright
- Prevent liners slipping

• Allow total emptying of the udders

Thanks to its sliding support, InterPuls Push-Up can be installed every second sheep.



Analogic Vacuum Gauge adaptor

| REF | Note |
|---------|-----------------------------|
| 9001648 | A - Push up |
| 9001649 | B - Bracket 1" - 1/4 + rail |

Sheep Shearer

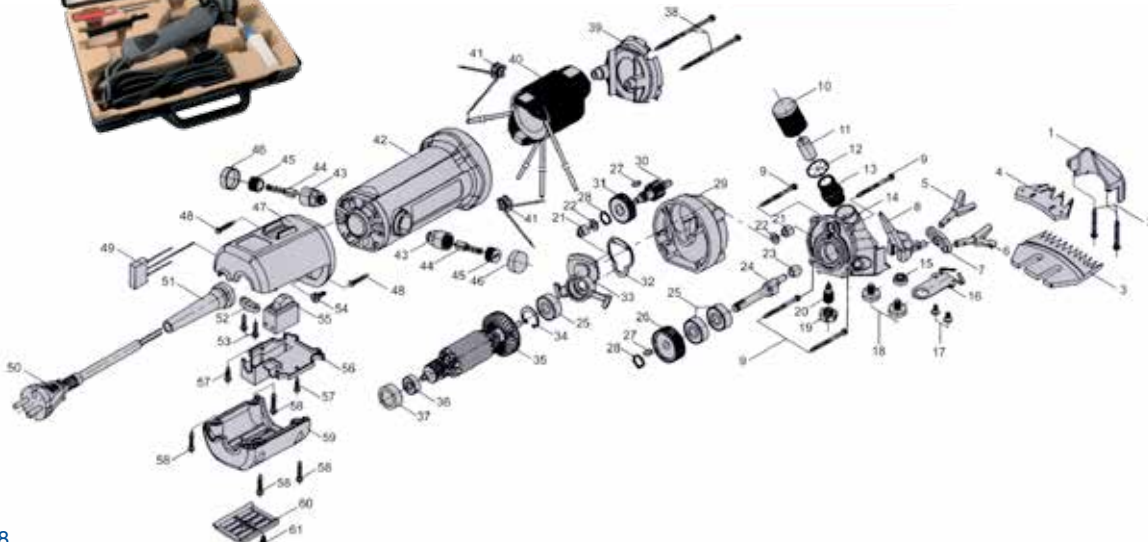
The powerful 320W motor makes this shearer ideal for shearing small sheep herds. User friendly and reliable it is provided with a case including all the maintenance tools.

El potente motor de 320W hace esta esquiladora perfecta para pequeños rebaño de ovejas. Practica y confiable es vendida con maleta completa de todas las herramienta por su mantenimiento.



Sheep Shearer

| REF | Note |
|---------|-----------|
| 9001829 | Ovis 320W |



| REF | Note |
|---------|--------------|
| 9002136 | Comb (3) |
| 9002135 | Blade (4) |
| 9002371 | Screw (9) |
| 9002372 | Bearing (15) |
| 9002373 | Sphere (23) |
| 9002374 | Shaft (24) |
| 9002375 | Bearing (25) |
| 9002376 | Gear 1 (26) |
| 9002377 | Gear 2 (30) |
| 9002378 | Gear 3 (31) |
| 9002379 | Gasket (32) |
| 9002380 | Flange (33) |
| 9002381 | Stator (40) |
| 9002382 | Pin (44) |
| 9002778 | Switch (55) |

Fittings & Accessories

InterPuls comprehensive range of fixture and fittings facilitate correct installation of piping systems for new plants and upgrade of existing ones.

La amplia gama de accesorios y racores ofrecida por InterPuls facilita la instalación correcta de los conductos para las nuevas instalaciones y para la modernización de las instalaciones existentes.



Stainless Steel straight milk entry

| REF | Nipple [mm] | Saddle clamp | Note |
|---------|-------------|--------------|------|
| 9001090 | 16 x 1 | 38,1 ÷ 40 | |
| 9001091 | 16 x 1 | 50,8 ÷ 52 | |
| 9001092 | 18 x 1 | 38,1 ÷ 40 | |
| 9001093 | 18 x 1 | 50,8 ÷ 52 | |
| 9001094 | 18 x 1 | 63,5 | |
| 9001096 | 18 x 1 | 76,2 | |
| 9001097 | 22 x 1 | 38,1 ÷ 40 | |
| 9001098 | 22 x 1 | 50,8 ÷ 52 | |
| 9001099 | 22 x 1 | 63,5 | |
| 9001101 | 22 x 1 | 76,2 | |



Stainless Steel bended milk entry

| REF | Nipple [mm] | Saddle clamp | Note |
|---------|-------------|--------------|------|
| 9001102 | 18 x 1 | 50,8 ÷ 52 | |
| 9001103 | 18 x 1 | 63,5 | |
| 9001105 | 22 x 1 | 70 | |



| REF | Nipple [mm] | Saddle clamp | Note |
|---------|-------------|--------------|------|
| 9001106 | 18 x 1 | 50,8 ÷ 52 | |
| 9001107 | 18 x 1 | 63,5 | |
| 9001109 | 22 x 1 | 70 | |



Gasket for milk entry

| REF | Nipple [mm] | Saddle clamp | Note |
|---------|-------------|--------------|------|
| 9001110 | 16 x 1 | 38,1 ÷ 52 | |
| 9001111 | 18 x 1 | 38,1 ÷ 52 | |
| 9001112 | 22 x 1 | 38,1 ÷ 52 | |
| 9001113 | 16 x 1 | 63,5 ÷ 76,2 | |
| 9001114 | 18 x 1 | 63,5 ÷ 76,2 | |
| 9001115 | 22 x 1 | 63,5 ÷ 76,2 | |



Stainless Steel straight milk entry

| REF | Nipple [mm] | Saddle clamp | Note |
|---------|-------------|--------------|------|
| 9001116 | 16 x 1 | 38,1 ÷ 52 | |
| 9001117 | 16 x 1 | 63,5 ÷ 76,2 | |
| 9001118 | 18 x 1 | 38,1 ÷ 52 | |
| 9001119 | 18 x 1 | 63,5 ÷ 76,2 | |
| 9001120 | 22 x 1 | 38,1 ÷ 52 | |
| 9001121 | 22 x 1 | 63,5 ÷ 76,2 | |



Stainless Steel bended milk entry

| REF | Nipple [mm] | Saddle clamp | Note |
|---------|-------------|--------------|------|
| 9001122 | 16 x 1 | 31,8 ÷ 52 | 180° |
| 9001123 | 18 x 1 | 31,8 ÷ 52 | 180° |
| 9001124 | 16 x 1 | 63,5 ÷ 76,2 | 180° |
| 9001125 | 18 x 1 | 63,5 ÷ 76,2 | 180° |



Milk Valve

| REF | Nipple [mm] | Saddle clamp | Note |
|---------|-------------|--------------|------------------|
| 9001126 | 16 x 1 | 31,8 ÷ 52 | Gaskets included |
| 9001127 | 18 x 1 | 31,8 ÷ 52 | Gaskets included |
| 9001128 | 16 x 1 | 63,5 ÷ 76,2 | Gaskets included |
| 9001129 | 18 x 1 | 63,5 ÷ 76,2 | Gaskets included |

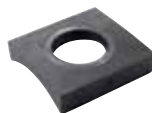


| REF | Nipple [mm] | Note |
|---------|-------------|--------------------|
| 9001130 | 16 x 1 | Sliding nipple 90° |
| 9001131 | 18 x 1 | Sliding nipple 90° |



Gasket top under slide

| REF | Note |
|---------|-----------------------------------|
| 9001133 | Gasket ID. 14 mm. top under slide |
| 9001135 | Gasket ID. 16 mm. top under slide |



Gasket bottom - milk

| REF | Note |
|---------|---------------------------------|
| 9001132 | Gasket ID. 14 mm. bottom - milk |
| 9001134 | Gasket ID. 16 mm. bottom - milk |
| 9001136 | Gasket ID. 20 mm. bottom - milk |



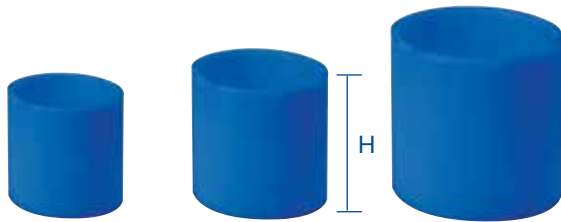
Expanding Union

| REF | Note |
|---------|---------------|
| 9002193 | DIN11851 D.20 |
| 9002194 | DIN11851 D.25 |
| 9002195 | DIN11851 D.32 |
| 9002196 | DIN11851 D.40 |
| 9002197 | DIN11851 D.51 |
| 9002198 | SMS D.25 |
| 9002199 | SMS D.32 |
| 9002200 | SMS D.40 |
| 9002201 | SMS D.51 |



Coupling

| REF | H [mm] | Clamp [mm] | Note |
|---------|--------|------------|------|
| 9001139 | 60 | 31,8 ÷ 34 | |
| 9001140 | 60 | 38,1 ÷ 40 | |
| 9001141 | 60 | 50,8 ÷ 52 | |
| 9001142 | 80 | 63,5 | |
| 9001143 | 80 | 76,2 | |
| 9001144 | 100 | 63,5 | |
| 9001145 | 100 | 76,2 | |



Coupling Socket

| REF | H [mm] | Clamp [mm] | Note |
|---------|--------|------------|------|
| 9001146 | 60 | 31,8 ÷ 34 | |
| 9001147 | 60 | 38,1 ÷ 40 | |
| 9001148 | 60 | 50,8 ÷ 52 | |
| 9001149 | 80 | 63,5 | |
| 9001150 | 80 | 76,2 | |
| 9001151 | 100 | 63,5 | |
| 9001152 | 100 | 76,2 | |



Coupling

| REF | H [mm] | Clamp [mm] | Note |
|---------|--------|------------|------|
| 9001265 | 60 | 31,8 ÷ 34 | |
| 9001023 | 60 | 38,1 ÷ 40 | |
| 9001024 | 60 | 50,8 ÷ 52 | |
| 9001026 | 80 | 63,5 | |
| 9001027 | 80 | 76,2 | |
| 9001028 | 100 | 63,5 | |
| 9001267 | 100 | 76,2 | |



Coupling Socket

| REF | H [mm] | Clamp [mm] | Note |
|---------|--------|------------|------|
| 9001268 | 60 | 31,8 ÷ 34 | |
| 9001058 | 60 | 38,1 ÷ 40 | |
| 9001059 | 60 | 50,8 ÷ 52 | |
| 9001061 | 80 | 63,5 | |
| 9001062 | 80 | 76,2 | |
| 9001269 | 100 | 63,5 | |
| 9001270 | 100 | 76,2 | |



| Snaplock | | |
|----------|-----------|------|
| REF | Size [mm] | Note |
| 9001137 | 13 x 24 | |
| 9001138 | 16 x 28 | |



| Butterfly Valve | | |
|-----------------|-----------|------|
| REF | Size [mm] | Note |
| 9001153 | 40 | |
| 9001154 | 50,8 | |
| 9001155 | 52 | |
| 9001156 | 63,5 | |
| 9001157 | 76,2 | |



| Manual Gate Valve | | |
|-------------------|-----------|------|
| REF | Size [mm] | Note |
| 9002202 | 51 | |
| 9002203 | 63 | |
| 9002204 | 76 | |



| 3 Way Plug Valve | | |
|------------------|-----------|------|
| REF | Size [mm] | Note |
| 9001158 | 40 | |
| 9001159 | 52 | |
| 9001160 | 63,5 | |





U - Bends

| REF | Size [mm] | Note |
|---------|-----------|------|
| 9002174 | 40 x 110 | |
| 9002175 | 51 x 110 | |
| 9002176 | 51 x 120 | |
| 9002177 | 63 x 110 | |
| 9002178 | 63 x 120 | |
| 9002179 | 76 x 110 | |
| 9002180 | 76 x 120 | |
| 9002181 | 76 x 155 | |
| 9002182 | 76 x 180 | |
| 9002183 | 89 x 225 | |
| 9002184 | 101 x 180 | |



Stainless steel Straight Tube

| REF | Size [mm] | Note |
|---------|------------|------|
| 9001161 | 101,6 x 16 | |
| 9001162 | 101,6 x 18 | |
| 9001163 | 101,6 x 22 | |



Stainless steel channel rail

| REF | Size [mm] | Note |
|---------|-----------|------------|
| 9001421 | 250 | Raily only |
| 9001441 | 350 | Raily only |
| 9000489 | 500 | Raily only |



see pag.48

Stainless steel channel rail clamp

| REF | Size [mm] | Note |
|---------|-----------|------|
| 9000490 | 40 | A |
| 9000491 | 52 | B |
| 9000492 | 63 | C1 |
| 9000493 | 76 | C2 |



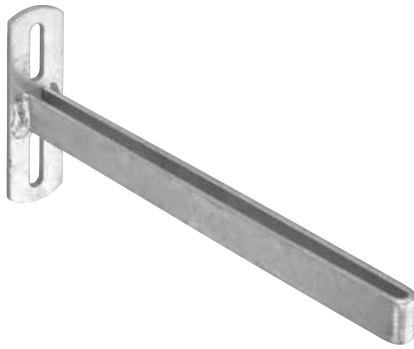
Tubing clamp

| REF | Size [mm] | Note |
|---------|-----------|------|
| 9000499 | 32 | |
| 9000500 | 40 | |
| 9000501 | 50 | |
| 9000502 | 63 | |
| 9000503 | 76 | |
| 9000504 | 90 | |



Threaded Clamp

| REF | Size [mm] | Note |
|----------------|-----------|--------------|
| 9001001 | 40 - 42 | 50 pcs x box |
| 9001002 | 48 - 52 | 50 pcs x box |
| 9001003 | 60 - 64 | 50 pcs x box |



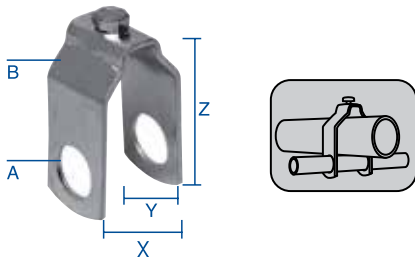
Bracket

| REF | Size [mm] | Note |
|----------------|-----------|------|
| 9001422 | 100 | |
| 9001004 | 200 | |
| 9001005 | 300 | |
| 9001006 | 400 | |
| 9001423 | 500 | |
| 9001424 | 600 | |



Hot galvanized tube wall bracket

| REF | Size [mm] | Note |
|----------------|-----------|------|
| 9000260 | 12,7 | 1/2" |



Hot galvanized tube wall bracket

| REF | Diameters | | Bolt and nut | | Overall Dimensions | | | |
|------------------|---------------|---|--------------|---|--------------------|----|----|-----|
| | A | B | A | B | X | Y | Z | |
| 9000261 * | 1/2" x 1" | | 21 x 33 | | 8 x 20 | 44 | 30 | 75 |
| 9000262 * | 1/2" x 1" 1/4 | | 21 x 42 | | 8 x 20 | 50 | 35 | 83 |
| 9001254 * | 1/2" x 1" 1/2 | | 21 x 48 | | 8 x 20 | 56 | 35 | 93 |
| 9000650 * | 1/2" x 2" | | 21 x 60 | | 8 x 20 | 74 | 35 | 100 |

* Master of 50 PCS

Washing & Hygiene

Quality milk demands quality filters.

InterPuls' quality filters with seam have been created to meet the highest expectation. Outstanding breakage resistance, greater filtration power and low flow resistance are the main features of our filters to maintain and improve the quality of the milk production. InterPuls' filters represent the progression in technology and a mayor advantage, making the production even more profitable. For best filtration four basic requirements have been met:

1. High mechanical strength
2. High sediment retention
3. Optimised flow rate
4. No toxic, hazardous or suspicious ingredients

Only disposable filters, replaced after each milking give a reliable result!

Our milk filters are guaranteed for the contacts with milk according BGA (D) rules with RAL-F44 mark

Para obtener una leche de calidad, se necesitan filtros de calidad. Los filtros de InterPuls con junta cosida han sido creados para responder a las expectativas más elevadas. Su altísima resistencia a la rotura, su altísimo poder filtrante y su reducida resistencia de flujo son los principales puntos fuertes de nuestros filtros, estudiados especialmente para mantener y mejorar la calidad de la leche producida. Los filtros de InterPuls son el fruto del progreso tecnológico y constituyen una gran ventaja, haciendo la producción aún más rentable. Para obtener una mejor filtración, se han obtenido cuatro características fundamentales:

1. Elevada resistencia mecánica
2. Elevada retención del sedimento
3. Óptima velocidad de flujo
4. Ausencia de componentes tóxicos, peligrosos o sospechosos

Sólo los filtros de un solo uso, sustituidos después de cada ordeño, dan óptimos resultados!

Nuestros filtros estan garantizados para tener contacto con la leche de acuerdo con la normativa BGA (D) con marca RAL-F44



Filter sock box

| Box REF | Size [mm] | Note |
|------------------|-----------|---------------|
| 9001286 | 320 x 57 | 250 pcs x box |
| 9001287 | 455 x 57 | 250 pcs x box |
| 9001288* | 620 x 57 | 250 pcs x box |
| 9001289 | 320 x 76 | 250 pcs x box |
| 9001290 | 455 x 76 | 250 pcs x box |
| 9001291** | 620 x 76 | 250 pcs x box |
| 9001328 | 635 x 57 | 250 pcs x box |

*suitable for S/S filter **2409117** - UTV 54/84 L.
2409118 - UTV 104 L.

suitable for S/S filter **2409113
2409114



Disc filter box

| Box REF | Size [mm] | Note |
|----------------|-----------|---------------|
| 9001292 | D. 180 | 250 pcs x box |
| 9001293 | D. 200 | 250 pcs x box |
| 9001294 | D. 220 | 250 pcs x box |
| 9001295 | D. 320 | 250 pcs x box |

Effective round filters for cans. The same high quality as InterPuls filter socks.

Filtros circulares para tanques. La misma calidad ofrecida por los filtros de media InterPuls.



Easidipper

| REF | Note |
|---------|---------------------------------|
| 9001581 | Eeasidipper with 3 applications |

Benefits:

- Better nipple coverage compared to a normal spray
- Reduced chemical consumption
- Automatic refill
- Faster than classic dipping.
- Cost optimisation.

Ventajas:

- *Mejor cobertura del pezón que un spray normal*
- *Menor consumo de producto químico*
- *Recambio automático*
- *Mayor velocidad que la clásica desinfección de los pezones por inmersión*
- *Optimización de los costes.*



Fill'n Dip

| REF | Note |
|---------|-----------------------------|
| 9001574 | Fill'n Dip with 1 dispenser |
| 9001575 | Fill'n Dip with 2 dispenser |

Benefits:

- Makes the refilling of dip cups quick, safe and easy
- Avoids chemical spillage and wastage
- Capable of dispensing chemical direct from a tote
- Quick and easy to install
- Option of multiple dispenser units

Ventajas:

- *Hace el relleno de las botellas de desinfección de una forma rápida, segura y fácil.*
- *Evita derramamientos de productos químicos y su desperdicio.*
- *Capacidad de administrar químicos directamente al recipiente.*
- *Rápido y fácil de instalar*
- *Tiene la opción de usar múltiples unidades expendedoras.*



JetStream

| REF | Note |
|---------|------------------------------------|
| 9001571 | JetStream with easy spray guns |
| 9001572 | Extension kit with easy spray guns |

Benefits:

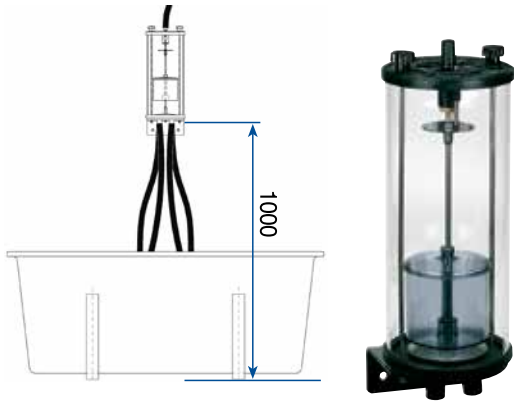
- Adjustable pressure according to the chemical solution used
- Guaranteed performance for up to 5 guns running simultaneously
- Activated simply by the vacuum
- Easy to install
- Modular system which responds to the needs of even the largest installation

Ventajas:

- *Presión regulable según el producto químico utilizado*
- *Resultados garantizados hasta con 5 pistolas operando simultáneamente*
- *Accionado sólo por el vacío*
- *Fácil de instalar*
- *Sistema modular para responder a las exigencias de las instalaciones más grandes.*

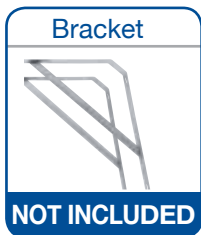


Extension kit



Bucket cluster wash unit

| REF | Note |
|---------|-----------------------|
| 5339001 | Boiling water version |



Bracket



S/S Wash Trough Bottom Rounded

| REF | Note | Size [mm] |
|---------|--|-----------------|
| 9001229 | 50 L | 460 x 525 x 320 |
| 9001230 | 70 L | 625 x 525 x 320 |
| 9001231 | Set of S/S wall brackets for 50 & 70 L | |



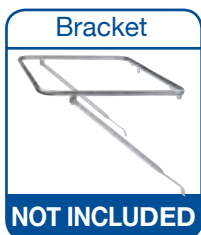
S/S Wash Trough Rectangular

| REF | Note | Size [mm] |
|---------|-------|------------------|
| 9001232 | 100 L | 555 x 490 x 490 |
| 9001646 | 150 L | 805 x 490 x 490 |
| 9002205 | 200 L | 1055 x 490 x 490 |
| 9002206 | 250 L | 1305 x 490 x 490 |
| 9002207 | 300 L | 1555 x 490 x 490 |
| 9002208 | 350 L | 1820 x 490 x 490 |



S/S Lid for Wash Trough

| REF | Note | Size [mm] |
|---------|-------------------|-----------|
| 9001240 | S/S Lid for 100 L | |
| 9001842 | S/S Lid for 150 L | |
| 9002862 | S/S Lid for 200 L | |
| 9002863 | S/S Lid for 250 L | |
| 9002864 | S/S Lid for 300 L | |
| 9002865 | S/S Lid for 350 L | |



Bracket



Plastic Wash Trough

| REF | Note | Size [mm] |
|---------|--------------------------------|------------------|
| 9001261 | Plastic Wash Trough 60 L | 720 x 590 x 300 |
| 9001262 | Bracket for plastic W.T. 60 L | |
| 9001263 | Plastic Wash Trough 100 L | 1000 x 490 x 490 |
| 9001264 | Bracket for plastic W.T. 100 L | |



S/S Plate

| REF | Note | Size [mm] |
|---------|-----------------|-----------------|
| 9002209 | InterPuls plate | 290 x 180 x 1,5 |



Jetter cup Sheep & Goat Unit

| REF | Note |
|---------|---|
| 9000152 | A - Jetter cup Goats for silicone liner REF 2000081/2000082 |
| 9000065 | B - Jetter cup Sheep for silicone liner REF 2000069/2000075 |
| 2800079 | B - 1/2" Fitting - M |
| 3400053 | C - Clamp for washing tube D. 30 mm. |
| 3400054 | C - Clamp for washing tube D. 40 mm. |
| 3400055 | C - Clamp for washing tube D. 50 mm. |



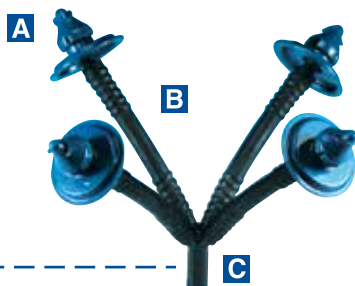
Jetter cup Sheep & Goat C.I.P.

| REF | Note |
|---------|---|
| 9000152 | A - Jetter cup Goats for silicone liner REF 2000081/2000082 |
| 9000065 | B - Jetter cup Sheep for silicone liner REF 2000069/2000075 |
| 9000074 | B - 4 ways distributor - vented |
| 9000283 | B - 4 ways distributor - not vented |



Jetter Sheep & Goat Unit

| REF | Note |
|---------|---|
| 1900014 | A - SpinJet for liners D.18 mm. (Sheep) |
| 1900029 | A - SpinJet for liners D.22 mm. (Goats) |
| 1900041 | B - Adapter for SpinJetC |
| 3400053 | C - Clamp for washing tube D.30 mm. |
| 3400054 | C - Clamp for washing tube D.40 mm. |
| 3400055 | C - Clamp for washing tube D.50 mm. |



SpinJet C.I.P.

| REF | Note |
|---------|---|
| 1900014 | A - SpinJet for liners D.18 mm. (Sheep) |
| 1900029 | A - SpinJet for liners D.22 mm. (Cow & Goats) |
| 1900030 | A - SpinJet for liners D.22 mm. (Cow) |
| 9000044 | B - Rubber tube |
| 9000074 | C - 4 ways distributor - vented |
| 9000283 | C - 4 ways distributor - not vented |



DS9 CL InterPuls' detergent

| REF | Note |
|---------|-------|
| 9000523 | 1 Kg. |
| 9000823 | 5 Kg |

Specially formulated chlorinated alkaline cleaner that is effective in a wide range of water conditions. Available in powdered formula. Ideal for cleaning buckets.

Detergente de especial formulación alcalino-clorurada eficaz para aguas con las características más diversas. Disponible en polvo. Ideal para cubos de ordeño



CMT test kit

| REF | Note |
|---------|--------------------------|
| 9001548 | A - Cartina di Clotz |
| 9001549 | B - CMT white paddle |
| 9001487 | C - CMT test liquid (1L) |

An accurate and inexpensive method of determining the cell count in milk. With the CMT 1L liquid test, the infected quarter is detected through the formation of grumes.

Método preciso y económico para determinar el cálculo de las células en la leche. Con el test líquido CMT de 1 Lt la infección del cuarto es interceptada a través de la formación de grumos.



1
Udder Preparation



2
Foremilk Stripping



3
Cluster Attachment



4
Post milking Dipping



Milk Sampler

| REF | Note |
|---------|-----------------------|
| 9001323 | Milk Sampler Complete |



Mastitis Detector

| REF | Note |
|---------|--------------------------------|
| 9001340 | Mastitis Detector - 19 x 14 mm |
| 9001341 | Mastitis Detector - 21 x 16 mm |



Strip Cup

| REF | Note |
|---------|-----------|
| 9001418 | Strip Cup |



Standard Dipper

| REF | Note |
|---------|------|
| 9001403 | |



Non Return Dipper Cup

| REF | Note |
|---------|------|
| 9001402 | |



Non Return Unidipper

| REF | Note |
|---------|---------------|
| 9001404 | Sheep & Goats |



Multifoamer

| REF | Note |
|---------|---------------------|
| 9001419 | Multifoamer Dip Cup |



Dipmizer



Cassette

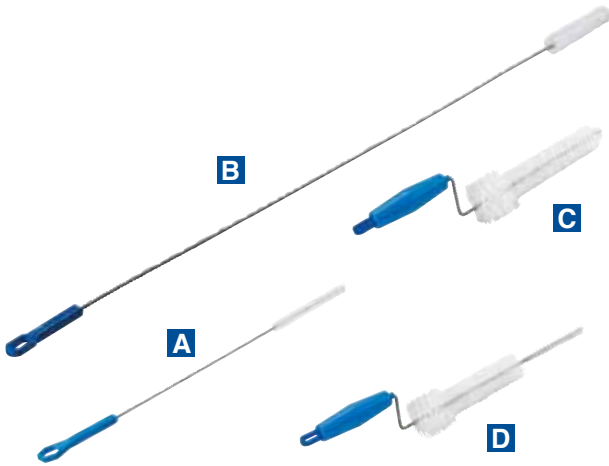


Dipmizer

| REF | Note |
|---------|----------|
| 9001531 | |
| 9002532 | Cassette |



| Sponge | | |
|---------|-----------|----------|
| REF | Size [mm] | Note |
| 9000508 | D.60 L.70 | TB 40 |
| 9000451 | D.70 L.70 | TB 40 |
| 9000509 | D.80 L.80 | TB 50-52 |



| Brush | | |
|---------|-------------|-------------------------|
| REF | Size [mm] | Note |
| 9000024 | D.11 L.400 | A - Short brush |
| 9000025 | D.22 L.1000 | B - Long brush |
| 9000256 | D.80 L.2000 | B - Long brush |
| 9001591 | D.19/38 | C - Turning brush sheep |
| 9000573 | D.22/40 | C - Turning brush goats |
| 9000026 | D.35/55 | C - Turning brush |
| 9000052 | D.11/35/55 | D - Turning brush |



| Water Nozzle | |
|--------------|------|
| REF | Note |
| 9000219 | |

High-Pressure Cleaners & Auto Reels

This is the range of high-pressure cleaners and hose reels we selected for washing milking parlour, cheese factories and daily farm needs.

Este es el rango de lavadoras a presión y carrete de manguera que hemos seleccionado para la limpieza de la sala de ordeño queserías y para todos los usos habituales del sector ganadero.



High-Pressure Cleaners

| REF | Note |
|---------|---------|
| 9002431 | KSM1480 |
| 9002432 | KA3000 |

Technical Data

| KSM1480 | KA3000 |
|----------------------------|----------------------------|
| Voltage: 230 V - 50 Hz | Voltage: 230 V - 50 Hz |
| Pressure: 150 bar | Pressure: 130 bar |
| Flow: 480 l/h | Flow: 720 l/h |
| Power: 2,3 kW | Power: 2,9 kW |
| Weight: 17 Kg | Detergent tank: 4 l |
| Dimensions: 890x320x380 mm | Weight: 36 Kg |
| | Dimensions: 440x420x940 mm |



A



B



C

Auto reels

| REF | Note |
|---------|--------------------|
| 9002433 | Auto reel 20MT (A) |
| 9002434 | Auto reel 30MT (B) |
| 9002435 | Auto reel 40MT (C) |

Tagliafieno LH22

Hay Cutter

Tagliafieno LH22 is the ideal solution for cutting hay bales and silage. Robust and easy-to-handle permits noise-free work, without dust and vibrations. The blades are designed to ensure precise cut, thanks to the optimal penetration, even in case of hard forage. It's advisable to oscillate the blades during the use, in order to benefit of the whole cutting width.

Corta Forraje

Tagliafieno LH22 es la solución ideal para el corte en pacas redondas y ensilado. Robusto y manejable garantiza un trabajo silencioso, sin polvo ni vibraciones. Las lamas están especialmente estudiadas para garantizar un corte preciso junto con una perfecta penetración incluso con un forraje duro. Es aconsejable hacer oscilar las lamas durante el utilizzo para aprovechar la largueza del corte.



Tagliafieno LH22

| REF | Note |
|---------|----------------------------|
| 6209001 | Tagliafieno 230V - 50/60HZ |
| 6209003 | Tagliafieno 110V - 60HZ |
| 9002523 | Cable reel 10MT cable |



Testing Equipment

As the equipment in the modern milking parlour become more and more sophisticated, so the need for frequent monitoring of milking system performance increases. The testing equipment selected by InterPuls allows to check the operation of a milking installation in accordance with ISO 5707 and to test the installation in accordance with ISO 6690.

Ya que los componentes de las modernas instalaciones de ordeño son cada vez más sofisticados, aumenta la exigencia de un control frecuente del funcionamiento del sistema. El equipo para controlar las instalaciones, seleccionado por InterPuls, permite seguir las operaciones de una instalación de ordeño según lo previsto en la norma ISO 5707, así como, el control del mismo equipo según lo previsto en la norma ISO 6690.



DVG-P & DVG-T

| REF | Note |
|---------|-------|
| 5109014 | DVG-P |
| 5109018 | DVG-T |

- Measuring range: -100 kPa ÷ +100 kPa
- Display: alpha-numeric LCD
- Sensor accuracy: ± 0.6 kPa
- Resolution: 0.1 kPa
- Power supply: 9v transistor Battery
- Dimensions: (LxWxH) 125x70x24 mm
- Weight: 0,20 kg



Flow meter fluss 6000 with 6 ring

| REF | Note |
|---------|------|
| 9000455 | |

- Small flows ring nut: with a continuous increment 0 ÷ 300 nl/min
- Large flows ring nut: 0 ÷ 2700 nl/min with an increment of 300 nl/min
- Macro flows ring nut: fixed leakage to 3000 nl/min
- Dimensions: (DxL) 70x160 mm
- Weight: 0,4 Kg



Flow Meter



Pulsator tester PT V

| REF | Note |
|---------|---------------------------------|
| 9001351 | PT V |
| 9001352 | PT V with Flow Meter 7000 l/min |

- Measuring range: +10 to -90 kPa
- Display: 320x240 dots Reflective Display
- Sensor accuracy: +/- 1 kPa
- Resolution: 0.1 kPa
- Power supply: 7,2 Battery cells Ni-MH
- Dimensions: (LxWxH) 250x183x52 mm
- Weight: 1,4 Kg



Mini-Test

| REF | Note |
|---------|------|
| 9001973 | |

- Measuring range: +10 to -80 kPa
- Display: alpha-numeric LCD
- Sensor accuracy: ± 0.5 kPa
- Resolution: 0.1 kPa
- Power supply: 2x "AA" alkaline or NiCd/NiMH rechargeable cells
- Dimensions: (LxWxH) 170x80x40 mm
- Weight: 0,25 kg

LactoCorder

| REF | Note |
|---------|------|
| 9001387 | |

Lactocorder features a revolutionary, patented measuring system. The milk is separated, through a centrifuge, by the air moving the milk during the milking operation; it then flows into the "continuous flow" measuring chamber. Thanks to this system, which guarantees continuous weighing of the milk, it is possible to monitor the following values: quantity of milk, milk flow, percentage of milk froth, conductivity, temperature, washing efficiency.

PT V Digital Flow Meter

| REF | Note |
|---------|-------------------------------------|
| 9001082 | Flow Meter 7000 l/min for PT V only |

Flow Meter Sleeve set

| REF | Size [mm] | Note |
|---------|---|---------------------------|
| 9001259 | 38 x 29 49 x 38 49 x 49 61 x 49 73 x 61 | Sleeve set for flow meter |

PT V Printer DPU 414

| REF | Note |
|---------|--------------------------|
| 9001353 | For Pulsator tester PT V |

Liner Plug

| REF | Note |
|---------|--|
| 1900013 | A - Liner Hole 18 - 20 (for Sheep & Goat liners) |
| 1900002 | B - Liner Hole 22 - 24 (for Cows liners) |

Cup Saw

| REF | Note |
|---------|------------------------------|
| 9001887 | Stainless steel Cup saw D.19 |
| 9001888 | Stainless steel Cup saw D.20 |
| 9001889 | Stainless steel Cup saw D.22 |
| 9001890 | Stainless steel Cup saw D.25 |
| 9001891 | Stainless steel Cup saw D.27 |
| 9001892 | Stainless steel Cup saw D.40 |
| 9001893 | Stainless steel cup saw D.44 |
| 9001908 | Drill for cup saw |

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