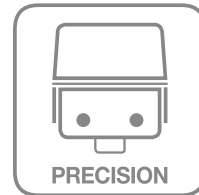
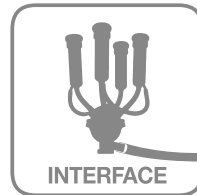


InterPuls®

Essential Product Guide



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%




 Designed & Manufactured in Italy



InterPuls S.p.A.
sales@interpuls.com
www.interpuls.com





Milkrite Goals

Our customers benefit from enhanced value through improved milking efficiency, better teat health and superior on farm performance.

Our goal is to permanently improve on farm milking conditions, through our products, support and advice



Focus

We believe in thinking differently and challenging the status quo. We focus on the milk extraction process and overall animal health, with the aim of more efficient milking for both the animal and the milker.



Milkrite Europe

Hampton Park West
Semington Road / Melksham
Wiltshire / SN12 6NB / UK

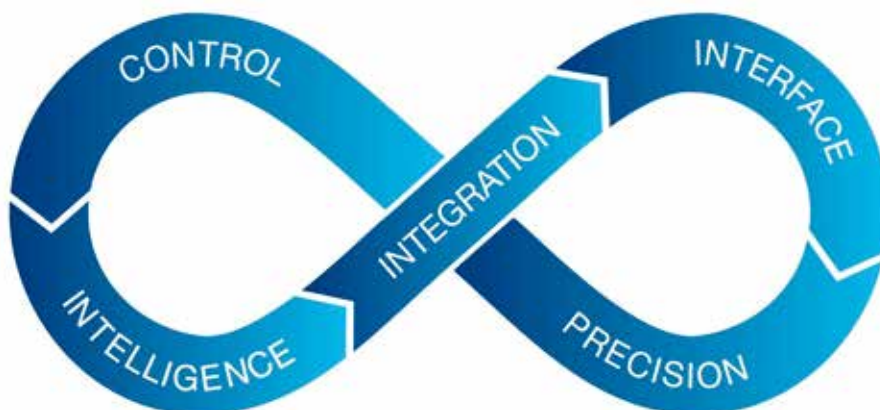
Tel: +44 (0) 1225 89 64 26
Fax: +44 (0) 1225 89 63 07

sales@milkrrite.com
www.milkrrite.com



InterPuls member of Avon Dairy Solutions since August 2015.

Milkrite | InterPuls is the leading producer of milking point technology, providing complete teat to pipeline solutions for the Dairy sector. Milkrite | InterPuls has a long history in the heart of milking, manufacturing liners and tubing with the latest technology as well as high tech pulsation, measurement and milking control equipment, distributing in 80 countries worldwide.



InterPuls

First in Pulsation!

Erano gli anni 70 quando venne lanciato sul mercato il Pulsatore Universal. Oggi InterPuls vanta una gamma di Pulsazione che la rende Leader mondiale del settore.

La tecnologia all'avanguardia, unita ad immutata Passione, ci permettono di fornire a O.E.M., distributori e impiantisti una Pulsazione con la "P" maiuscola!

InterPuls Passion pulses here!

1 D. Che cos'è la Pulsazione?

R. La Pulsazione è l'apertura e la chiusura ciclica di una guaina, generata dal Pulsatore, ed è composta da due parametri: Frequenza e Rapporto di mungitura.

It was the 70's when the Pulsator "Universal" had been launched on the market. Today the InterPuls Pulsation range makes us a world leader in this sector.

The advanced technology together with the same Passion, allow us to supply O.E.M., distributors and technical dealers with Pulsation with the capital "P"!

InterPuls Passion pulses here!

1 Q. What's Pulsation?

A. Pulsation is the alternating opening and closing of a liner, generated by a Pulsator, and it is composed by two parameters: Milking rate and ratio.



> Universal
1970



> L3
1974



> L80
1978



> LL90
1994



> LE20
1998



INTERPULS



2 D. Cos'è la Frequenza di Mungitura?

R. La Frequenza di Mungitura è il numero di volte in cui la guaina si apre e si chiude nell'intervallo di tempo, governando la velocità del ciclo di Pulsazione che è composto da 4 fasi, chiamate A,B,C e D. In caso di un aumento della frequenza di Pulsazione muteranno solamente la fase B (Mungitura) e la fase D (Massaggio). Le fasi A e C, dette transitorie, dipendono dalla lunghezza e dalla sezione dei tubi di Pulsazione.

3 D. Cos'è il Rapporto di Mungitura?

R. Il Rapporto di Mungitura è la % di tempo necessario per aprire e mantenere aperta la guaina (fase A+B), permettendo così l'estrazione del latte attraverso il capezzolo, grazie all'azione del vuoto, rispetto al tempo necessario per chiudere e mantenere chiusa la guaina (fase C+D) per effettuare la fase di massaggio.

2 Q. What is the Milking rate?

A. The Milking rate is the number of times a liner opens and closes in the time interval, thus regulating the rate of the Pulsation cycle which is composed by 4 phases, called A, B, C and D. If ever the Pulsation Frequency increases, only the phase B (Milking) and D (massage) will change. Phases A and C, so called transitory, depend on the length and section of the Pulsation tubes.

3 Q. What is Milking ratio?

A. The Milking ratio is the percentage of time necessary to open (and keep open) the liner (phase A+B), thus allowing the milk to be drawn through the teat, thanks to the vacuum action and compared to the time required to close (and keep closed) the liner (phases C+D) in order to massage.

4 D. Quindi anche il vuoto è importante?

R. Il livello di vuoto è basilare, perché è ciò che permette il deflusso del latte, vincendo l'effetto del muscolo dello sfintere del capezzolo. E' però molto importante che il livello non superi certi limiti; la ricerca indica che a dai 40-42kPa il capezzolo delle bovine è già completamente aperto. Un livello di vuoto elevato provoca stress all'animale e congestione dell'estremità del capezzolo. Un livello di vuoto basso allunga il tempo di mungitura, fa scivolare le guaine con conseguente rischio di caduta del gruppo; rendendo inefficace anche la fase di massaggio.

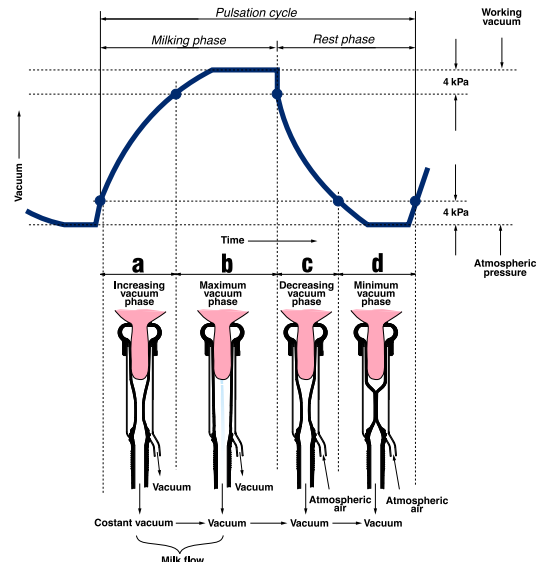
4 Q. So, is the vacuum important as well?

A. The vacuum level is fundamental, because it allows the milk outflow, overcoming the effect of orifice's muscle of the teat. It's really important yet that the vacuum level doesn't exceed certain limits; researches show that at 40-42kPa the cows' teat is completely open. A high vacuum level causes stress for the animal and congestion at the teat's ends. A low vacuum level extends the milking time, it squeezes the liners with a consequent risk for cluster falling and it makes the massage not effective.

Pulsation Timeline



Animal breed	Vacuum level [kPa]		Rate [ppm]	Ratio [%]
	High line & bucket	Low line		
Cow	48 - 50	42 - 44	60	60:40
Goat	42 - 44	38 - 40	90	60:40
Sheep	40 - 42	36 - 38	120	50:50
Buffalo	50 - 52	44 - 46	60	60:40
Horse & Donkey	40 - 42	36 - 38	90	60:40
Camel	40 - 42	36 - 38	80	60:40












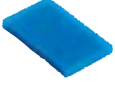
































Norme di riferimento ISO (ED. 2007)
 ISO 3918 Impianti di mungitura - Terminologia
 ISO 5707 Impianti di mungitura - Costruzione e prestazioni
 ISO 6690 Impianti di mungitura - Prove meccaniche

ISO International Standards (ED. 2007)
 ISO 3918 Milking machine installations - Vocabulary
 ISO 5707 Milking machine installations - Construction and Performance
 ISO 6690 Milking machine installations - Mechanical tests

Top 30

Operazione convenienza - Saving Opportunity

Q.ty		TOP 30 Set Ref.	Note
25 x		1000221	- Vite fissaggio parete laterale - Lateral cover screw
50 x		1000225	- Or di tenuta - O-ring
25 x		1000286	- Kit manutenzione 60/40 Alt. - Maintenance kit Alt. 60/40
3 x		1010156	- Filtro LL90
25 x		1010191	- LL90 Filter
50 x		1010192	- Membrana principale - Main diaphragm
25 x		1010246	- Kit manutenzione 60/40 Alt. - Maintenance kit Alt. 60/40
10 x		1060235	- Guarnizione Superiore LE/LP/CV30 - Upper Gasket LE/LP/CV30
10 x		1060236	- Guarnizione Inferiore LE/LP/CV30 - Lower Gasket LE/LP/CV30
5 x		1030318	- Bobina 3,2W 24V/DC - 24V/DC solenoid
5 x		1030319	- Bobina 3,2W 12V/DC - 12V/DC solenoid
25 x		1030298	- Setto filtrante - Retrofit filter
25 x		1030299	- Nucleo mobile - Piston
10 x		1030499	- Kit di revisione LE/LP20 - LE/LP20 Service kit
50 x		1050115	- Membrana inversione - Small diaphragm
20 x		1900063	- Nipplo allungamento gemellare - Pulsation tubes extension nipple
25 x		1050124	- Kit manutenzione 60/40 Alt. - Maintenance kit Alt. 60/40
25 x		1050125	- Kit manutenzione 70/30 Alt. - Maintenance kit. Alt. 70/30

Q.ty		TOP 30 Set Ref.	Note
25 x		1530291	- Tappo bloccaggio valvola - Locking valve plug
25 x		1580141	- Tappo bloccaggio valvola - Locking valve plug
50 x		1530292	- Guarnizione piccola - Small gasket
25 x		1530428	- Valvola chiusura - Shut-off valve
25 x		1570047	- Valvola chiusura Lunik - Lunik Shut-off valve
100 x		1570024	- Chiodo per tappo protezione Lunik200 - Lunik200 bowl protection plug pin
25 x		1530315	- Guarnizione - Gasket
25 x		1580140	- Guarnizione - Gasket
25 x		1900036	- Tappo chiusura guaina 22-24 mm - Inflation plug 22-24 mm
50 x		1900061	- Anello fermatubi D.35 - Retaining ring D. 35
50 x		1900062	- Anello fermatubi D.32 - Retaining ring D. 32
50 x		1900052	- Nuovi anelli fermatubo piatti D.32 - Retaining Flat Band D.32
50 x		1900051	- Nuovi anelli fermatubo piatti D.35 - Retaining Flat Band D.35
20 x		1900039	- Jetter D. 22
20 x		1900040	- Jetter D. 24
10 x		2079016	- Sistema automatico ITP 207 - ITP 207 automatic system
10 x		2059016	- Sistema automatico ITP 205 - ITP 205 automatic system
10 x		2050018	- Deflettore ITP 205 - ITP 205 deflector
30 x		2060078	- Curva plastica con foro - Plastic bend vented
30 x		2060079	- Curva plastica senza foro - Plastic bend not vented
25 x		2809114	- Adattatore - Adapter
10 x		3100054	- Guarnizione per coperchio - Gasket for lid
25 x		3420015	- Valvola drenaggio 1/2" - Drain Valve 1/2"
25 x		5200122	- Moschettone DVC 1000 - DVC Snap hook



LE30/LP30

Servo-Direct Pulsators



✓ Patented

I Pulsatori Servo-Direct LE30-LP30 rappresentano quanto di meglio esiste attualmente in fatto di precisione, robustezza ed affidabilità nel tempo.

Servo-Direct LE30-LP30 Pulsators represent today's benchmark for precision, robustness and reliability.

Les Pulsateurs Servo-Direct LE30-LP30 sont les meilleurs outils actuellement disponibles sur le marché, au niveau de la précision, de la solidité et de la fiabilité à long terme.

Пульсаторы LE30-LP-30 Сервоуправление представляют собой наилучшую разработку на данный момент в плане точности, прочности, надежности.

Vantaggi

- ✓ Il principio di Pulsazione brevettato "Servo-Direct" permette un controllo preciso del segnale
- ✓ Progettato per minimizzare i consumi di vuoto in modo da assicurare un'eccellente stabilità del vuoto stesso
- ✓ Basso consumo elettrico così da evitare problemi di ossidazione dei contatti e risparmiare energia
- ✓ Nel caso in cui il latte venga aspirato nel Pulsatore, per esempio attraverso la rotura di una guaina, è possibile aspirare acqua pulita dai tubi di pulsazione, senza doverlo smontare
- ✓ Facile e rapido da revisionare: la manutenzione completa può essere portata a termine in meno di 1 minuto

Benefits

- ✓ The patented "Servo-Direct" Pulsation system enables precise signal control
- ✓ Designed to minimise vacuum consumption and ensure excellent vacuum stability
- ✓ Low electrical consumption to reduce the risk of oxidation of electrical contacts and save energy
- ✓ If milk escapes into the Pulsator, as a result of a split liner for example, clean water may simply be flushed through via the pulsation tubes, without having to dismantle the unit
- ✓ Quick and easy to service: complete maintenance takes less than 1 minute

Avantages

- ✓ Le principe de Pulsation breveté « Servo-Direct » permet de contrôler le signal avec précision
- ✓ Conçu pour réduire les consommations de vide afin de garantir une excellente stabilité du vide
- ✓ Faible consommation électrique pour éviter l'oxydation des contacts et faire des économies d'énergie
- ✓ Si le lait est aspiré dans le Pulsateur en raison, par exemple, d'une fissure dans le manchon, il est possible d'aspirer de l'eau claire par les tuyaux d'aspiration, sans devoir tout démonter
- ✓ Facile et rapide à réviser : la maintenance complète peut être faite en moins de 1 minute

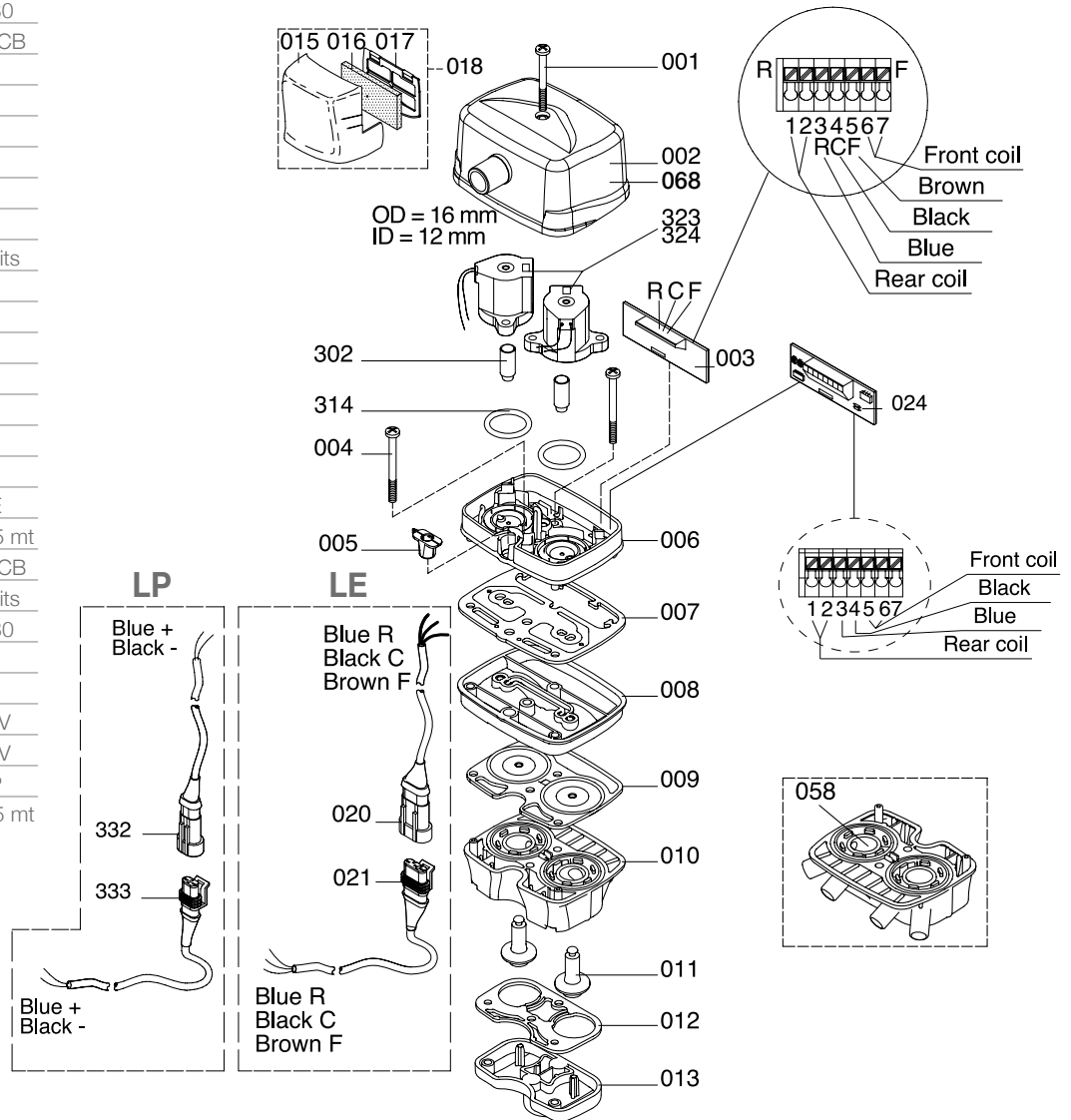
Преимущества

- ✓ Принцип запатентованной пульсации "Сервоуправление" позволяет с точностью контролировать сигналы
- ✓ Спроектирован специально с целью уменьшить потребление вакуума, гарантируя стабильность вакуума
- ✓ Низкое потребление электроэнергии, что позволяет защитить контакты от окисления и сократить расходы на потребление энергии
- ✓ В случае попадания молока внутрь пульсатора в следствии изнашивания резины, можно очистить при помощи чистой воды, подаваемой из шлангов пульсатора, не разбирая пульсатор
- ✓ Простой и быстрый в обслуживании: полный текущий ремонт можно провести в течение нескольких минут

LE30 & LP30

Pos.	Ref.	Note	
001	1060023		
002	1060024	LE30	
003	1030046	LE PCB	
004	1030151		
005	1060011		
006	1060005		
Top 30	007	1060235	
008	1060102		
009	1060034		
010	1060109	2 Exits	
011	1060090		
Top 30	012	1060236	
013	1060133		
015	1030108		
Top 30	016	1030298	
017	1030109		
018	1030111		
020	1030274	LE	
021	1030272	LE 1,5 mt	
024	1030476	LP PCB	
058	1060110	4 Exits	
068	1060031	LP30	
Top 30	302	1030299	
314	2800122		
Top 30	323	1030318	24 V
Top 30	324	1030319	12 V
332	1030275	LP	
333	1030273	LP 1,5 mt	

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LE/LP/CV30 service kit	Ref.
	1060115

Rate	A frequenza-rate			B rapporto-ratio					
	1	2	3	Front	Rear	4	5	6	
55	OFF	OFF	OFF	50/50	60/40	OFF	OFF	OFF	
60	ON	OFF	OFF	55/45	60/40	ON	OFF	OFF	
90	OFF	ON	OFF	50/50	50/50	OFF	ON	OFF	
120	ON	ON	OFF	60/40	60/40	ON	ON	OFF	
150	OFF	ON	ON	65/35	65/35	OFF	OFF	ON	
180	OFF	OFF	ON	70/30	70/30	ON	OFF	ON	

Dati Tecnici

Tipo: Alternato o Simultaneo
 Tensione di alimentazione: 12*/24VDC
 Assorbimento: 260 mA (130 mA per bobina 24V);
 540 mA (270 mA per bobina 12V)
 Collegamento al vuoto: 1/2" Gas femmina
 Sistema di azionamento: Servo-Diretto
 Materiale del corpo: Resina termoplastica
 Dimensioni: 85x90x105 mm
 Peso: 0,40 Kg
 *12V Articolo speciale disponibile su richiesta

Technical Data

Type: Alternate or Simultaneous
 Operating Voltage: 12*/24VDC
 Power Consumption: 260 mA (130 mA per bobina 24V);
 540 mA (270 mA per bobina 12V)
 Vacuum Connection: 1/2" Bsp female
 Operating System: Servo-Direct
 Body Material: Thermoplastic resin
 Dimensions: 85x90x105 mm
 Weight: 0,40 Kg
 *12V Special item available on demand



- ✓ Protezione totale contro l'umidità e i getti d'acqua.
- ✓ Totally sealed to provide total protection against moisture and humidity.
- ✓ Protection totale contre l'humidité et les projections d'eau.
- ✓ Полная защита от попадания воды и влаги.

LE30 Electronic Pulsators

	24 VDC	12 VDC
	1069001	1069005
	1069002	1069006
	1069003	1069007
	1069004	1069008


IUC - Control Boxes

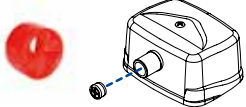

	Model	24 VDC output	12 VDC output
 CE	IUC24	-	1049130 100 - 260 VAC @ 50/60 Hz 200 VA
	IUC32	1049133 100 - 260 VAC @ 50/60 Hz 200 VA	-

LP30 Individual Electronic Pulsators

	24 VDC	12 VDC
	1069009	1069013
	1069162 CombiFast vers.	
	1069010	1069014
	1069011	1069015
	1069012	1069016

IUP - Universal Power Supply

		24 VDC output
 CE	IUP	1049131 100 - 260 VAC @ 50/60 Hz 320 W - 13 A up to 50 LP - Pulsators

Accessories	Ref.	Description
	1060016	Restrictor for C phase adjusting
	1060095	Restrictor D.4 for A & C phase

IUC24 - IUC32

Control Box



Easy to program



Protection class IP54

Ad ampliamento della gamma Control Box, InterPuls ha sviluppato l'innovativa IUC.

To extend the IC - Control Box range, InterPuls has developed the innovative IUC.

InterPuls a mis au point et réalisé l'extraordinaire IUC pour compléter la gamme Control Box.

С целью расширения гаммы IC - Control Box, InterPuls разработал и создал новинку IUC.

Dati Tecnici

Tensione di alimentazione: 100-260 VAC @50/60 Hz
 Potenza erogata: 200 VA
 Assorbimento: 3,5 A @115 VAC - 1,7 A @230 VAC
 Tensione in uscita: 24 VDC / 12 VDC
 Dimensioni: 150x270x370 mm
 Peso: 2,7 Kg

Technical Data

Input Voltage: 100-260 VAC @50/60 Hz
 Power Supplied: 200 VA
 Absorption: 3,5 A @115 VAC - 1,7 A @230 VAC
 Output Voltage: 24 VDC / 12 VDC
 Dimensions: 150x270x370 mm
 Weight: 2,7 Kg

IUC - Control Boxes

	Model	24 VDC output	12 VDC output
	IUC24	-	1049130 * 100 - 260 VAC @ 50/60 Hz 200 VA
	IUC32	1049133 100 - 260 VAC @ 50/60 Hz 200 VA	-



* Special item available on demand.



IUP

Universal Power Supply



Protection class **IP54**

Ideale per tutte le utenze che necessitano di un'alimentazione a 24VDC. Alimenta fino a 20 stacchi completi ACR o fino a 50 Pulsatori individuali LP20 o LP30. IUP è protetto contro: corto circuiti, sovraccarichi, sovratensioni, surriscaldamento

Competitive solution for 24VDC input devices. Up to 20 ACR complete milking points or up to 50 LP20/LP30 individual Pulsators. IUP is protected against: short-circuits, over-load, over-voltage, over-heat

Idéal pour tous services qu'ils ont besoin d'alimentation à 24VDC. Jusqu'à 20 systèmes complets Du boîtier de commande ACR où jusqu'à 50 Pulsateurs individuels LP20/LP30. IUP est protégé contre court-circuits, surcharges, surtensions, surchauffe

Идеален для всех устройств, питаемых напряжением 24VDC. Питает до 20 ACR в комплекте с автосъемом. Питает до 50 отдельных пульсаторов LP20 или LP30. IUP защищает от: коротких замыканий, перегрузок, перенапряжения, перегрева

Dati Tecnici

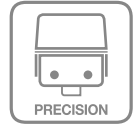
Alimentazione: 100-260VAC @50/60Hz
Potenza Massima: 320W
Corrente Massima: 13A
Output: 24VDC regolati
Dimensioni: 150x270x370mm
Peso: 2,7 Kg

Technical Data

Input Voltage: 100-260VAC @50/60Hz
Max Power: 320W
Max Current: 13Amp
Output Voltage: 24VDC stabilized
Dimensions: 150x270x370mm
Weight: 2,7 Kg

IUP - Universal Power Supply

	Ref.	Note
	1049131	up to 50 LP - Pulsators



REVOLUTIONAir.



✓ Patented

L02 è stato sovralimentato! Le già consolidate performances di mungitura sono state migliorate grazie al 50% in più di AirBoost!

L02 has been supercharged! The well-known milking performances have been improved thanks to the 50% more AirBoost!

L02 a été suralimenté! Les déjà consolidées performances de traite ont été améliorées grâce au 50% en plus d'AirBoost!

L02 достигло наивысшей производительности! Улучшены характеристики пульсации благодаря увеличению напора воздуха на 50%!

Vantaggi

- ✓ Superficie filtrante maggiorata
- ✓ Mungitura delicata e uniforme
- ✓ Ottima fase di massaggio
- ✓ Affidabile sistema di assemblaggio SUREMATCH®
- ✓ Pulizia filtro semplificata
- ✓ Inversione pneumatica performante e a lunga durata

Benefits

- ✓ Oversized filtering surface
- ✓ Gentle and uniform milking
- ✓ Excellent massage phase
- ✓ Reliable SUREMATCH® coupling system
- ✓ Easy-to-clean filter
- ✓ Performant, long-life pneumatic reversal mechanism

Avantages

- ✓ Surface filtrante augmentée
- ✓ Traite délicate et uniforme
- ✓ Phase de massage optimale
- ✓ Système d'accouplement SUREMATCH® fiable
- ✓ Nettoyage du filtre simplifié
- ✓ Inversion pneumatique performante et à long terme

Преимущества

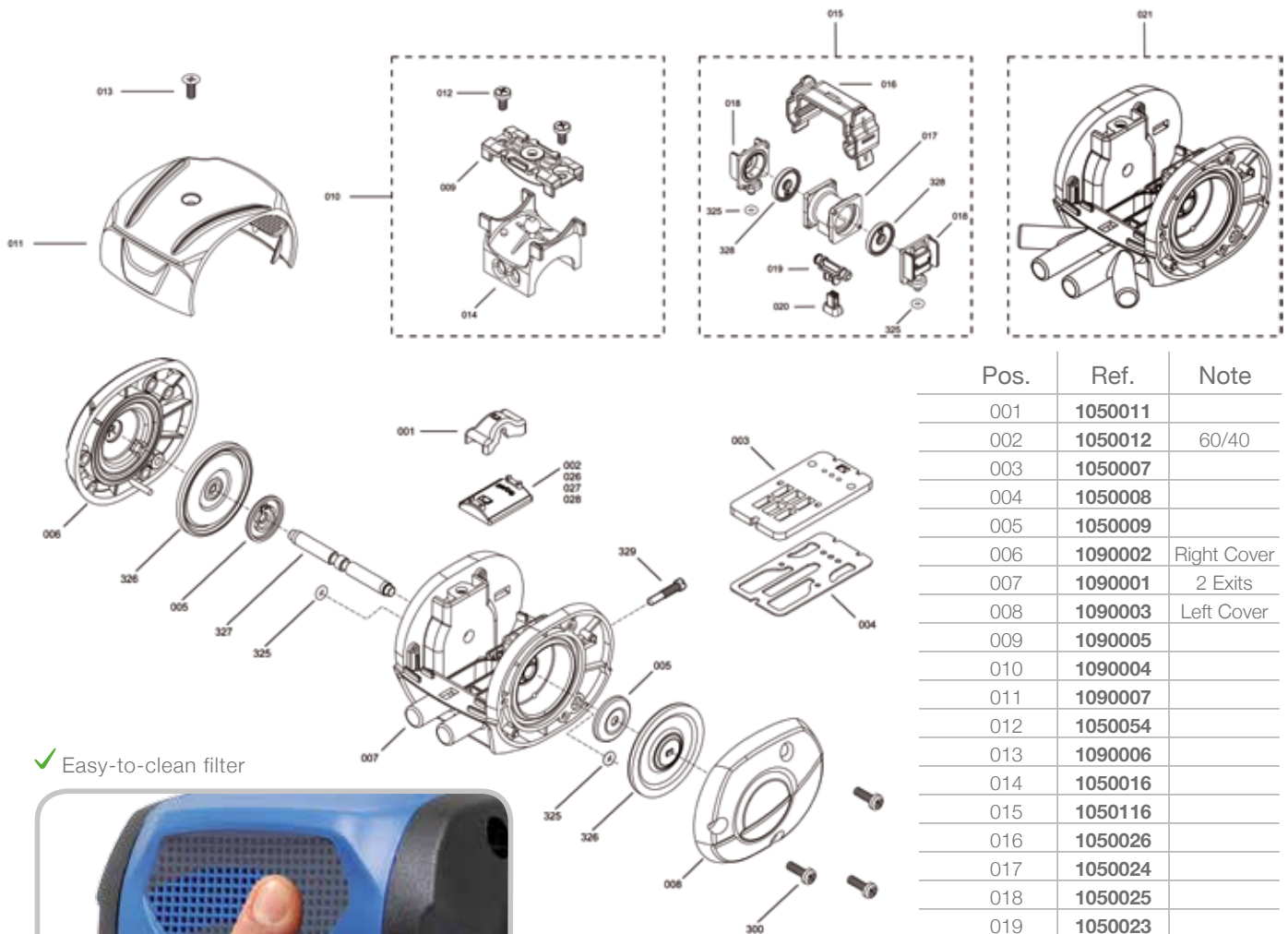
- ✓ Более широкая поверхность фильтрации
- ✓ Стабильный и щадящий процесс доения
- ✓ Оптимальная фаза массажа
- ✓ Надежная система соединения частей SUREMATCH®
- ✓ Упрощенная чистка фильтра
- ✓ Высокопроизводительный и долговечный инверсионный пневматический механизм

Dati Tecnici

Modello: L02Air
 Tipo di Pulsazione: Alternato
 Frequenza: 50 ÷ 180 ppm
 Rapporto: 50/50, 60/40, 65/35, 70/30
 Alimentazione: Vuoto
 Principio di Funzionamento: Membrane
 Dimensioni: 102x87x64 mm
 Peso: 0,30 Kg

Technical Data

Model: L02Air
 Pulsation Type: Alternate
 Rate: 50 ÷ 180 ppm
 Milking Ratio: 50/50, 60/40, 65/35, 70/30
 Operating System: Vacuum
 Working Principle: Diaphragms
 Dimensions: 102x87x64 mm
 Weight: 0,30 Kg





✓ Easy-to-clean filter



Pos.	Ref.	Note
001	1050011	
002	1050012	60/40
003	1050007	
004	1050008	
005	1050009	
006	1090002	Right Cover
007	1090001	2 Exits
008	1090003	Left Cover
009	1090005	
010	1090004	
011	1090007	
012	1050054	
013	1090006	
014	1050016	
015	1050116	
016	1050026	
017	1050024	
018	1050025	
019	1050023	
020	1050022	
021	1090020	4 Exits
026	1050015	50/50
027	1050014	65/35
028	1050013	70/30
Top 30	300	1000221
Top 30	325	1000225
Top 30	326	1010192
	327	1050047
Top 30	328	1050115
	329	1050004

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Accessories	Ref.	Note
	<p>Top 30 1050124</p> <p>1050118</p> <p>1050119</p> <p>Top 30 1050125</p> <p>Top 30 pag. 6-7</p>	<p>Alt. 60/40</p> <p>Alt. 50/50</p> <p>Alt. 65/35</p> <p>Alt. 70/30</p>

L02 Air	Ratio			
Alt.	60/40	50/50	65/35	70/30
	1099001	1099002	1099003	1099004
	1099013	1099014	1099015	-

L80/LL90

Vacuum Pulsators



I Pulsatori L80 e LL90 InterPuls, facili da installare, precisi, semplici nell'assistenza, instancabili nel lavoro, sono la risposta giusta alle esigenze di oggi.

The InterPuls L80 & LL90 Pulsators, easy to install, accurate, durable, simple to maintain, are the right answer to today's pulsation needs.

Les Pulsateurs InterPuls L80 & LL90, faciles à installer, précis, simple pour le service apresvente, infatigables dans le travail, sont la reponse la plus juste aux exigences d'aujourd'hui.

Пульсаторы L80 и LL90 ИнтерПульс, легко устанавливаются, точные, простые в обслуживании, легко устанавливаются, и полностью отвечают запросам современного рынка.

Vantaggi

- ✓ DUSTOP® Filter (LL90): ampia superficie, elevata capacità filtrante garantiscono funzionamento regolare nel tempo e lunga durata dei componenti
- ✓ SUREMATCH® Slide & Valve: i materiali sono stati studiati per lavorare accoppiati con la massima efficienza
- ✓ Inversione pneumatica performante e a lunga durata

Benefits

- ✓ DUSTOP® Filter (LL90): large surface area, high filtering capacity protects the Pulsator components and ensure consistent running over a long period
- ✓ SUREMATCH® Slide & Valve: the materials have been specially designed to work together for maximum efficiency
- ✓ Performant, long-life pneumatic reversal mechanism

Avantages

- ✓ DUSTOP® Filter (LL90): vaste surface, haute capacité filtrante assure un fonctionnement régulier longtemps et une longue duree des composants
- ✓ SUREMATCH® Slide & Valve: les matériels ont été spécialement projetés à travailler ensemble pour maximum efficacité
- ✓ Inversion pneumatique performante et à long terme

Преимущества

- ✓ DUSTOP® фильтр (LL90): широкая поверхность, высокая фильтрация гарантируют стабильную работу на протяжении долгого периода времени, высокий срок службы компонентов
- ✓ SUREMATCH® Пластина & Клапан: материалы были подобраны таким образом чтобы гарантировать совместную работу с максимальной эффективностью
- ✓ Высокопроизводительный и долговечный инверсионный пневматический механизм

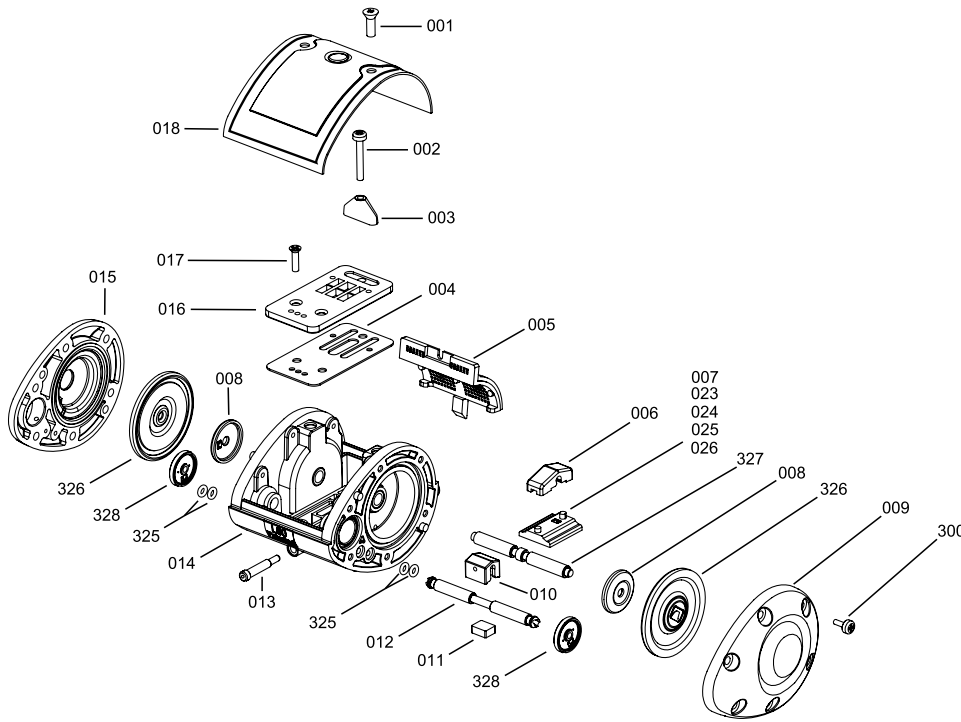
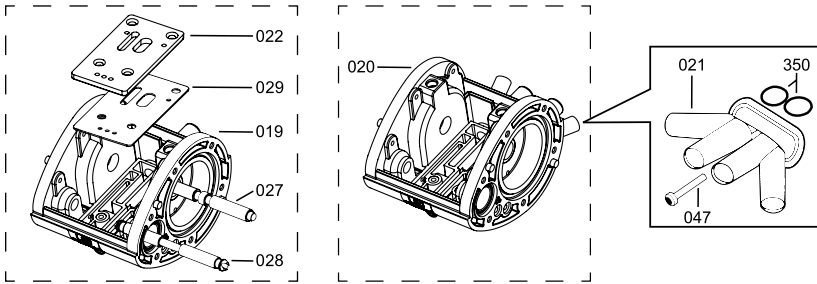
Dati Tecnici

Tipo: Alternato o Simultaneo
 Frequenza: Regolabile
 Rapporto di mungitura (Alternato): 50/50, 60/40, 65/35, 70/30
 Rapporto di mungitura (Simultaneo): 60/40
 Sistema di Azionamento: Pneumatico
 Sistema di Inversione: a membrane
 Materiale del corpo: Resina termoplastica
 Dimensioni: 102x87x64 mm
 Peso: 0,30 Kg

Technical Data

Pulsation Type: Alternate o Simultaneous
 Rate: Adjustable
 Milking Ratio (Alternate): 50/50, 60/40, 65/35, 70/30
 Milking Ratio (Simultaneous): 60/40
 Operating system: Pneumatic
 Working principle: diaphragms
 Body material: Thermoplastic resin
 Dimensions: 102x87x64 mm
 Weight: 0,30 Kg

L80 Vacuum Pulsator



Pos.	Ref.	Note
001	1000030	
002	1010093	
003	1010092	
004	1000364	Alt.
005	1000322	
006	1000326	Alt. 50/50
007	1000328	
009	1000006	Right Cover
010	1000309	
011	1000311	
012	1000162	Alt.
013	1000321	
014	1000001	Alt. 2 Exits
015	1000005	Left Cover
016	1010085	Alt.
017	1000037	
018	1000024	
019	1000003	Sim.
020	1000002	Alt. 4 Exits
021	1000083	4 Exits
022	1010099	Sim.
023	1000328	Alt. 70/30
024	1000330	Alt. 65/35
025	1000324	Alt. 60/40
026	1010024	Sim. 60/40
027	1000050	Sim.
028	1000054	Sim.
029	1000036	Sim.
047	1000084	
Top 30	300	1000221
Top 30	325	1000225
Top 30	326	1010192
	327	1050047
Top 30	328	1050115
	350	1000085

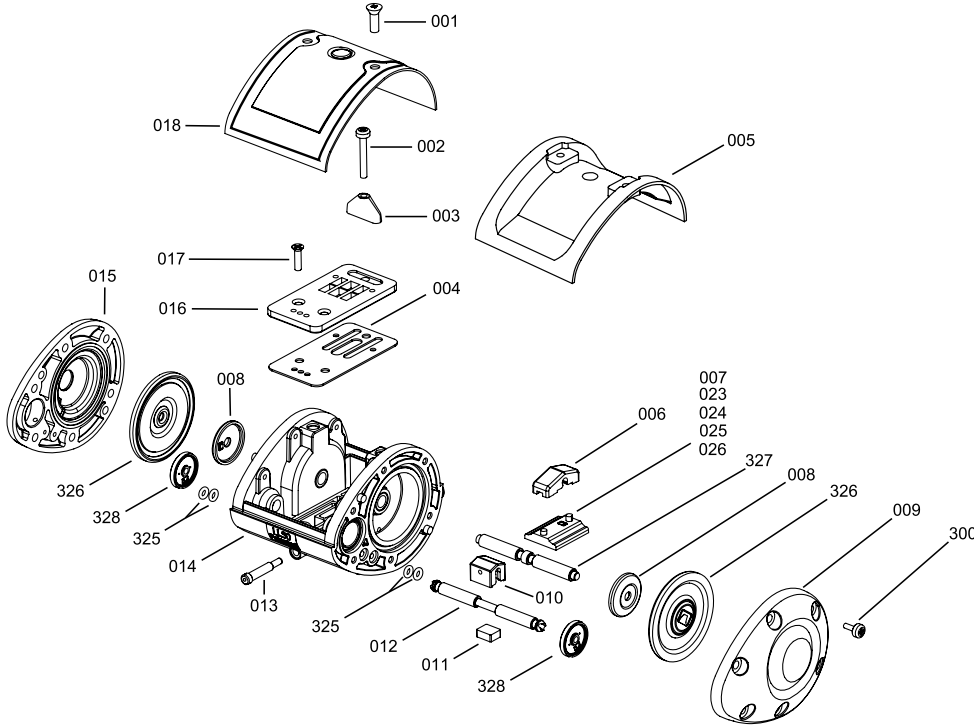
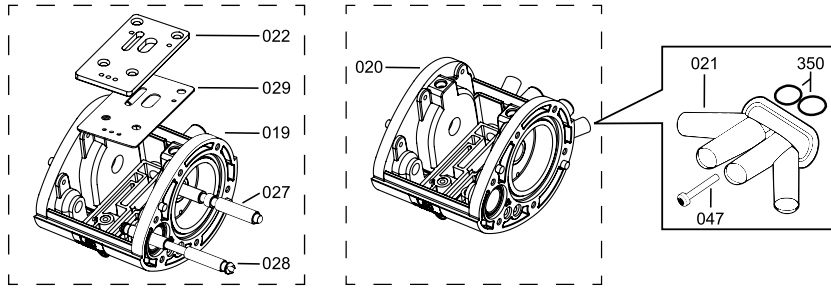
Top 30 pag. 6-7

✓ Don't lubricate

L80		Ref.				
Alt.		60/40	50/50	65/35	70/30	
Alt.		1009042	1009010	1009002	1009090	
Alt.		1009051	-	1009203	-	
Spare Parts		Ref.	Note			
L80 service kit		Top 30 1000286	Alt. 60/40			
		1000276	Alt. 50/50			
		1000277	Alt. 65/35			
		1000278	Alt. 70/30			

LL90



Vacuum Pulsator





Pos.	Ref.	Note
001	1010010	
002	1010093	
003	1010092	
004	1000364	Alt.
Top 30 005	1010156	3 Filters 1010006
Top 30 005	1010191	25 Filters 1010006
006	1000322	
007	1000326	Alt. 50/50
008	1000312	
009	1000006	Right Cover
010	1000309	
011	1000311	
012	1000162	Alt.
013	1000321	
014	1010005	Alt. 2 Exits
015	1000005	Left Cover
016	1010085	Alt.
017	1000037	
018	1010011	
019	1010022	Sim.
020	1010023	Alt. 4 Exits
021	1000083	4 Exits
022	1010099	Sim.
023	1000328	Alt. 70/30
024	1000330	Alt. 65/35
025	1000324	Alt. 60/40
026	1010024	Sim. 60/40
027	1000050	Sim.
028	1000054	Sim.
029	1000036	Sim.
047	1000084	
Top 30 300	1000221	
Top 30 325	1000225	
Top 30 326	1010192	
327	1050047	Alt.
Top 30 328	1050115	
350	1000085	

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✓ Don't lubricate

LL90	Ref.			
Alt.	60/40	50/50	65/35	70/30
	1019014	1019013	1019015	1019016
Alt.				
	1019018	-	1019119	-
Alt.				

Spare Parts	Ref.	Note	Spare Parts	Ref.	Note
	Top 30 1010246	Alt. 60/40		Top 30 1010156 1010191	3 Filters 1010006 25 Filters 1010006
	1010237	Alt. 50/50			
	1010238	Alt. 65/35			
	1010239	Alt. 70/30			
LL90 service kit			LL90 service kit		



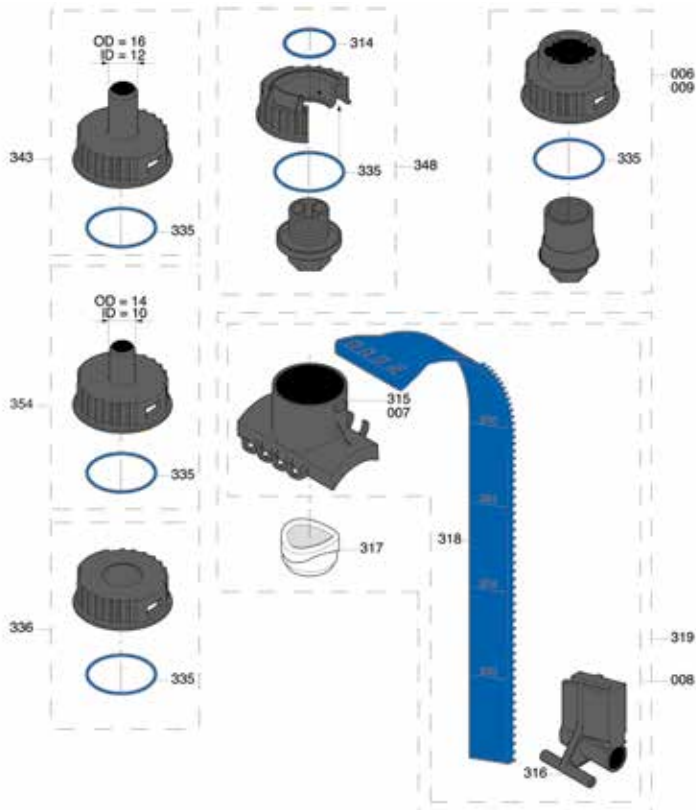
Quick Mounting

Fastening Family

Vacuum line 52÷110 mm



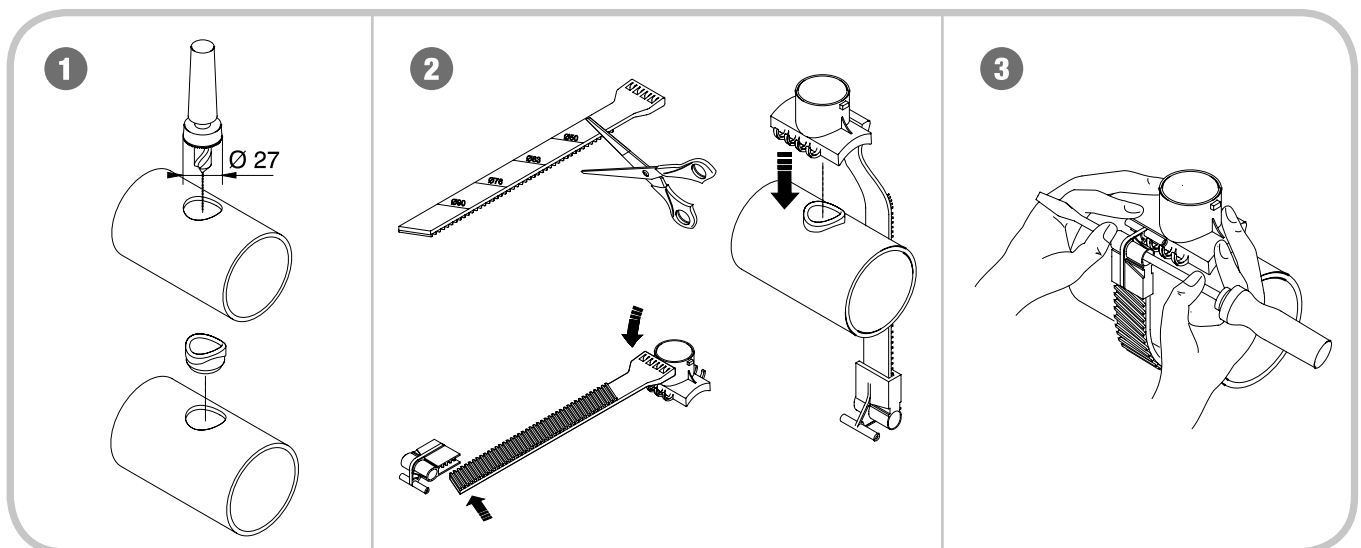
✓ Patented



Pos.	Ref.	Note
006	2800186	Blank
007	2800185	Blank
008	2800188	Blank
009	2800187	ID 21,5
314	2800122	
315	2800124	
316	2800128	
317	2800135	
318	2800136	
319	2800137	
335	2800123	ID 32,9
336	2800155	
343	2800153	
348	2800132	
354	2800234	

Quick fit mounting (52 ÷ 114 mm)	Note	Ref.	Adapter	Ref.
		2800137 2800188 Blank		
	Electronic Pulsator & CV	2809078		2800132
	Clear airline	2809079 D. 16		2800153
  2809116	Vacuum Pulsator	2809133 D. 14		2800234
	Sanivac	2809088 Blank		2800186 Blank
	Servo pilot valve	2809089		2800187
	Blanking cap			2800155

3 Step Mounting





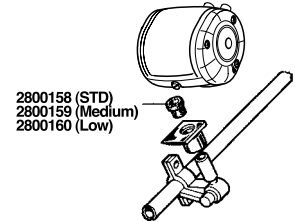
Adapters



Ref.	Note
Top 30 2809114	High - STD (26 mm)

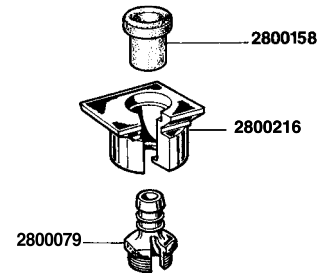
Top 30 pag. 6-7

- Attacco standard.
- Standard adapter.
- Attache standard.
- Стандартный адаптер.



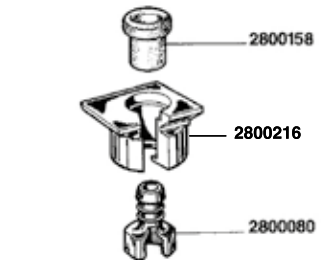
Ref.	Note
2809093	1/2" - M

- Attacco std completo di portagomma.
- Standard adapter complete with fitting.
- Attache std pour prise de vide en salle de traite.
- Стандартный адаптер укомплектован фитингом.



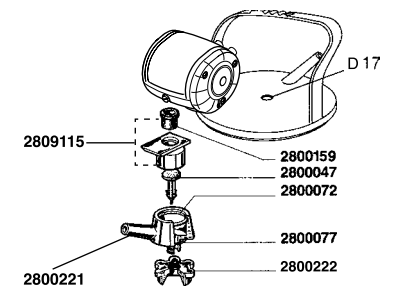
Ref.	Note
2809094	1/2" - F

- Attacco std completo di portagomma.
- Standard adapter complete with fitting.
- Attache std pour prise de vide en salle de traite.
- Стандартный адаптер укомплектован фитингом.



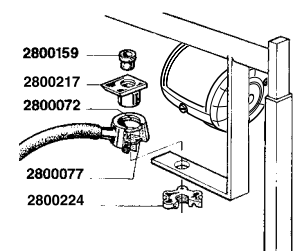
Ref.	Note
2809120	

- Attacco dotato di volantino di fissaggio e valvola, per l'applicazione sul coperchio inox.
- Adapter complete with fixing handwheel and valve for use on stainless steel bucket lid.
- Attache avec ecrou et clapet pour l'application sur couvercle en acier inox.
- Адаптер с моховиком крепления и клапаном для применения на крышках из нержавеющей стали.



Ref.	Note
2809121	

- Attacco dotato di volantino di fissaggio per l'applicazione su mungitrici carrellate e impianti trasporto latte.
- Adapter complete with fixing handwheel for use on mobile milking machines and pipeline installations.
- Attache avec ecrou sans clapet pour l'application sur chariot trayeur et bras de traite.
- Адаптер с моховиком крепления для использования в установках доильных индивидуальных и при доении в молокопровод.

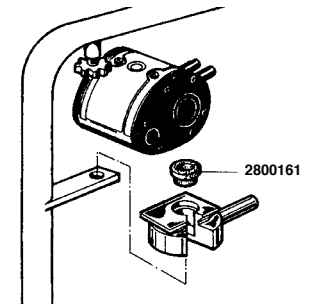


* Special Item available on demand.



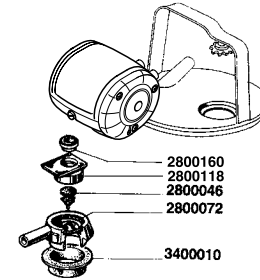
Ref.	Note
2809025	

- Attacco dotato di volantino di fissaggio per l'applicazione su mungitrici carrellate.
- Adapter complete with fixing handwheel for use on mobile milking machines.
- Attache avec ecrou sans clapet pour l'application sur chariot trayeur.
- Адаптер с моховиком крепления для использования в индивидуальных доильных установках.



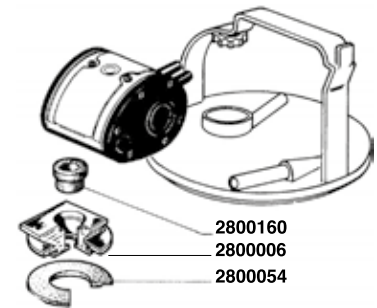
Ref.	Note
2809122	

- Attacco dotato di valvola per l'applicazione sul coperchio in acciaio inox DeLaval e Manus.
- Adapter complete with valve for use on DeLaval and Manus stainless steel bucket lid.
- Attache avec clapet pour l'application sur le couvercle en acier inox DeLaval et Manus.
- Адаптер с клапаном применяется на крышках из нержавеющей стали тип DeLaval и Manus.



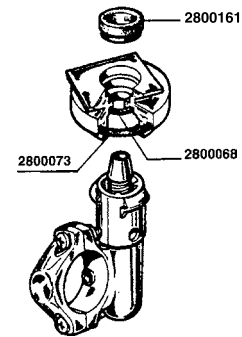
Ref.	Note
2809013	

- Attacco basso per l'applicazione sul coperchio in plastica o alluminio DeLaval.
- Low adapter for use on DeLaval plastic or aluminium bucket lid.
- Attache basse pour l'application sur le couvercle en plastique ou aluminium DeLaval.
- Адаптер низкий применяется на крышках из пластика и алюминия тип DeLaval.



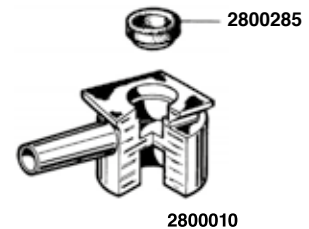
Ref.	Note
2809113	

- Attacco con innesto a baionetta per l'applicazione su impianti trasporto latte, sale di mungitura e mungitrici carrellate DeLaval - Manus.
- Bayonet adapter for use on pipeline installations, milking parlours and DeLaval - Manus mobile milking machines.
- Attache à baionnette pour l'application sur les transferts à lait, salles de traite et trayeuses à chariots DeLaval - Manus.
- Адаптер с клапаном применяется на крышках из нержавеющей стали тип DeLaval и Manus.



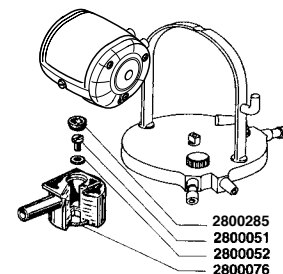
Ref.	Note
2809139	

- Attacco per l'applicazione sul coperchio Miele-export.
- Adapter for use on Miele-export lid.
- Attache pour l'application sur couvercle Miele-export.
- Адаптер для применения на крышках Miele-export.



Ref.	Note
2809032	

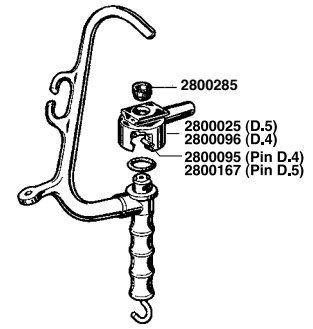
- Attacco per l'applicazione sul coperchio WestfaliaSurge tipo nuovo.
- Adapter for use on WestfaliaSurge lid, new type.
- Attache pour l'application sur le couvercle WestfaliaSurge, nouveau type.
- Адаптер для применения на крышках WestfaliaSurge нового типа.





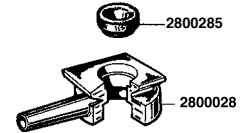
Ref.	Note
2809140	Spina - Pin D. 5 mm
2809141	Spina - Pin D. 4 mm

- Attacco con innesto a baionetta per l'applicazione su impianti WestfaliaSurge.
- Bayonet adapter for use on WestfaliaSurge installations.
- Attache à baionnette pour l'application sur les installations WestfaliaSurge.
- Адаптер с входом для штыкового соединения применяется на доильных установках WestfaliaSurge.



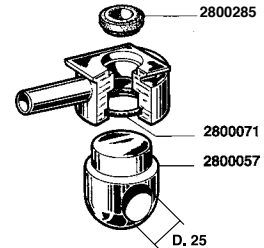
Ref.	Note
2809040	

- Attacco per l'applicazione sul coperchio Fullwood.
- Adapter for use on Fullwood lid.
- Attache pour l'application sur le couvercle Fullwood.
- Адаптер для применения на крышке Fullwood.



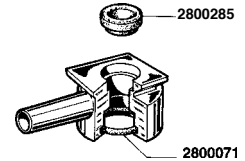
Ref.	Note
2809137	

- Attacco per l'applicazione su impianti trasporto latte e sale di mungitura Fullwood.
- Adapter for use on Fullwood pipeline installations and milking parlours.
- Attache pour l'application sur les transferts à lait et salles de traite Fullwood.
- Адаптер для применения на доильных установках при доении в молокопровод и доильных залах Fullwood.



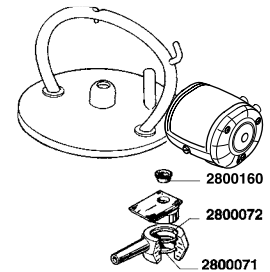
Ref.	Note
2809136	

- Attacco per l'applicazione su impianti Fullwood, senza tampone.
- Adapter for use on Fullwood installations, without plug.
- Attache pour l'application sur installations Fullwood, sans bouchon.
- Адаптер для применения в доильных установках Fullwood без заглушки.



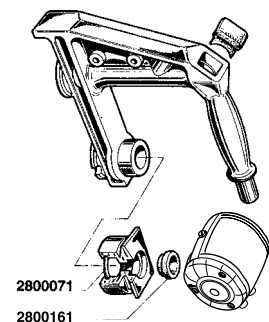
Ref.	Note
2809043	

- Attacco per l'applicazione sul coperchio inox Effectiv (SAC).
- Adapter for use on Effectiv (SAC) stainless steel lid.
- Attache pour l'application sur le couvercle inox Effectiv (SAC).
- Адаптер для применения на крышке из нержавеющей стали Effectiv.



Ref.	Note
2809046	

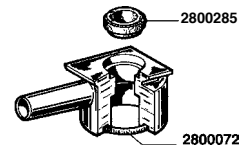
- Attacco per l'applicazione su impianti trasporto latte Melotte, n.t.
- Adapter for use on Melotte pipeline installations.
- Attache pour l'application sur les poignées Melotte, nouveau modèle.
- Адаптер для применения на доильных установках при доении в молокопровод Melotte.





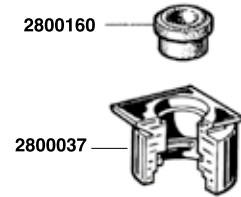
Ref.	Note
2809138	

- Attacco per l'applicazione sul coperchio Gascoigne.
- Adapter for use on Gascoigne lid.
- Attache pour l'application sur le couvercle Gascoigne.
- Адаптер для применения на крышке Gascoigne.



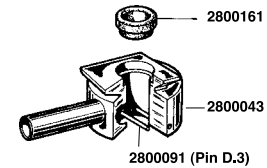
Ref.	Note
2809050	

- Attacco con innesto a baionetta adattabile A.H.I.
- Bayonet adapter suitable for A.H.I.
- Attache à bayonnette avec joint adaptable A.H.I.
- Адаптер с входом для штыкового соединения для доильных установок тип А.Н.И.



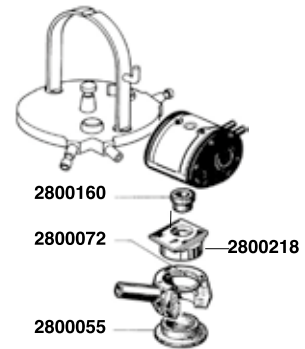
Ref.	Note
2809056	

- Attacco per l'applicazione sul coperchio inox Melotte.
- Adapter for use on Melotte stainless steel lid.
- Attache pour l'application sur le couvercle inox Melotte.
- Адаптер для применения на крышке из нержавеющей стали Melotte.



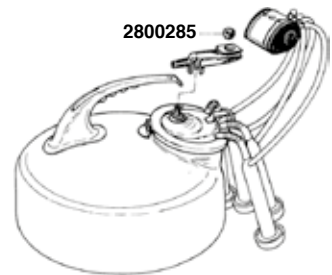
Ref.	Note
2809034	

- Attacco per l'applicazione sul coperchio WestfaliaSurge, tipo vecchio.
- Adapter for use on WestfaliaSurge lid, old type.
- Attache pour l'application sur le couvercle WestfaliaSurge, ancien type.
- Адаптер для применения на крышке WestfaliaSurge, старого типа.



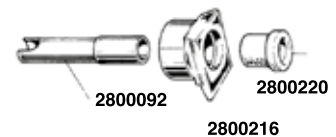
Ref.	Note
2809061	

- Attacco per l'applicazione sul coperchio Surge, secchio sospeso.
- Adapter for use on Surge lid, suspended bucket.
- Attache pour l'application sur le couvercle Surge, pot suspendu.
- Адаптер для применения на крышке Surge, подвесное ведро.



Ref.	Note
2809117	

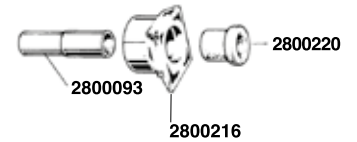
- Attacco per l'applicazione su sale di mungitura Boumatic.
- Adapter for use on Boumatic milking parlours.
- Attache pour l'application sur le salles de traite Boumatic.
- Адаптер для применения в доильных залах Boumatic.





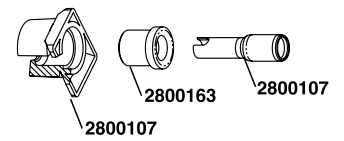
Ref.	Note
2809118	

- Attacco per l'applicazione su sale di mungitura DeLaval.
- Adapter for use on DeLaval milking parlours.
- Attache pour l'application sur le salles de traite DeLaval.
- Адаптер для применения в доильных залах DeLaval.



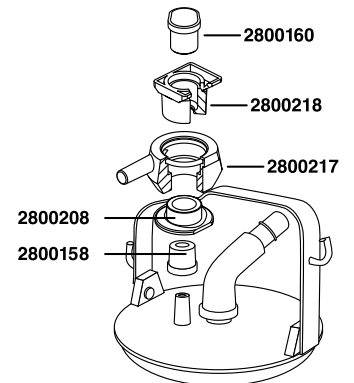
Ref.	Note
2809119	

- Attacco per applicazione UNIVERSAL.
- Adapter for UNIVERSAL installations.
- Attache pour l' application UNIVERSAL.
- Адаптер для универсального применения.



Ref.	Note
2809106	

- Attacco per applicazione su coperchio russo.
- Adapter for use on Russian lid.
- Attache pour l' application sur le couvercle russe.
- Адаптер для применения на крышке доильного ведра русского типа.



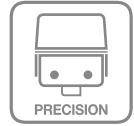
Clamp



Ref.	Note
3400053	Clamp for tube D.30
3400054	Clamp for tube D.40
3400055	Clamp for tube D.50

Stabilvac

Spring Vacuum Regulator



✓ Patented

Vantaggi

- ✓ Facile da installare
- ✓ Regolazione del vuoto stabile ed affidabile
- ✓ Indicato per piccoli impianti
- ✓ Silenziosa

Benefits



- ✓ Easy to install
- ✓ Stable, reliable vacuum regulation
- ✓ Designed for small systems
- ✓ Silent

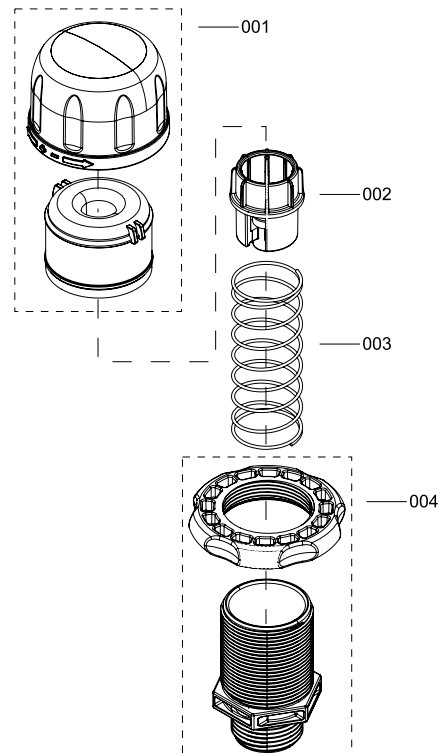
Avantages

- ✓ Facile à installer
- ✓ Réglage du niveau de vide stable et fiable
- ✓ Indiqué pour les petites installations de traite
- ✓ Silencieux

Преимущества

- ✓ Легко установить
- ✓ Стабильная и надежная регулировка вакуума
- ✓ Предназначен для использования в небольших доильных установках
- ✓ Бесшумный

	Ref.	Note
	5069001	Spring vacuum Regulator 1" Vacuum pump capacity: 250 l/min
	5049001	Spring vacuum Regulator 1" Vacuum pump capacity: 500 l/min



Pos.	Ref.	Note
001	5060008	
002	5060004	
003	5060003	
004	5060007	



Stabilvac 1500-3600

Servo Vacuum Regulators



✓ Patented

I regolatori del vuoto Stabilvac garantiscono un vuoto stabile ed affidabile in ogni condizione operativa, salvaguardando la salute degli animali.

The Stabilvac vacuum regulators grant a stable and reliable vacuum in any condition, protect animal's health.

Les régulateurs du vide Stabilvac assurent un vide constant et fiable en toutes conditions de travail, en protégeant la santé des animaux.

Вакуумрегуляторы Стабилвак гарантируют стабильный и надежный уровень вакуума при любых условиях работы, тем самым сохраняя здоровье животных.

Vantaggi

- ✓ Elevata precisione del segnale e grande sensibilità della valvola permettono di reagire tempestivamente nella regolazione del vuoto
- ✓ Progettate specificatamente per minimizzare il consumo di vuoto
- ✓ Installazione facile e veloce

Benefits

- ✓ High accuracy of the signal and great sensitivity of the valve allow a quick reaction when regulating the vacuum system
- ✓ Designed expressly to minimise the vacuum consumption avoiding to reduce unnecessarily the vacuum reserve of the milking system
- ✓ Quick and easy to install

Avantages

- ✓ La haute précision du signal et la grande sensibilité de la valve permettent d'intervenir instantanément dans la régulation du vide
- ✓ La conception vise spécifiquement à réduire au minimum la consommation de vide et à éviter d'entamer la réserve utile de la machine
- ✓ Installation simple et rapide

Преимущества

- ✓ Высокая точность сигнала и высокая точность клапана позволяют своевременно реагировать на регуляцию уровня вакуума
- ✓ Специально спроектированы для уменьшения потребления вакуума продлевая срок службы установки
- ✓ Легко и быстро монтируется

Dati Tecnici

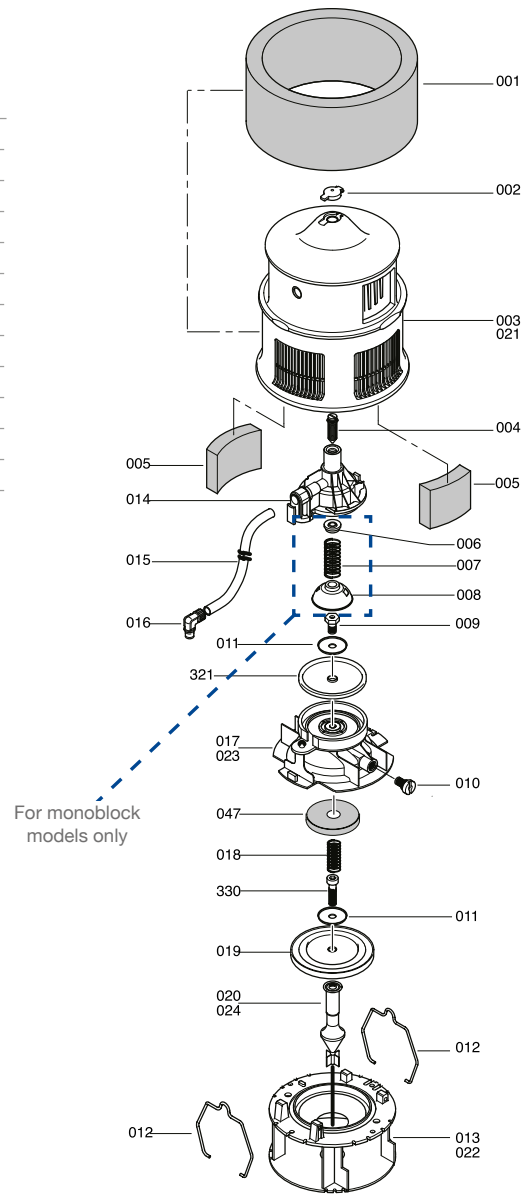
Raccordo filettato: 1" Gas Maschio
Dimensioni: 131x131x181 mm
Peso: 0,415 Kg

Technical Data

Connection thread: 1" Bsp Male
Dimensions: 131x131x181 mm
Weight: 0,415 Kg

Pos.	Ref.	Note
001	5010039	
002	5010023	
003	5010006	1500
004	5000047	with OR
005	5010062	
006	5000030	
007	5000019	
008	5000029	
009	5000033	
010	5000046	
011	5000015	
012	5010007	
013	5010001	1500
014	5000027	

Pos.	Ref.	Note
015	5000054	0,5 mm
016	5000044	
017	5010003	1500
018	5000016	
019	5000005	
020	5010051	1500
021	5010058	3600
022	5010034	3600
023	5010060	3600
024	5010053	3600
047	5010063	
321	5000032	
330	5020004	



	50 kPa (15" Hg)		Monoblock	
	l/min	cfm	1500	3600
Vacuum pump maximum capacity	350	12		
	500	18		
	750	27	OPTIMUM	
	1000	35		
	1250	44		
	1500	53		
	1750	62		OPTIMUM
	2000	71		

Stabilvac

1500 monoblock	3600 monoblock	3600 separate
5019007	5019008	5019011



Stabilvac 4000-6000

Servo Vacuum Regulators



✓ Patented

I regolatori del vuoto Stabilvac garantiscono un vuoto stabile ed affidabile in ogni condizione operativa, salvaguardando la salute degli animali.

The Stabilvac vacuum regulators grant a stable and reliable vacuum in any condition, protect animal's health.

Les régulateurs du vide Stabilvac assurent un vide constant et fiable en toutes conditions de travail, en protégeant la santé des animaux.

Вакуумрегуляторы Стабилвак гарантируют стабильный и надежный уровень вакуума при любых условиях работы, тем самым сохраняя здоровье животных.

Vantaggi

- ✓ Elevata precisione del segnale e grande sensibilità della valvola permettono di reagire tempestivamente nella regolazione del vuoto
- ✓ Eccellente silenziosità
- ✓ Installazione facile e veloce

Benefits

- ✓ High accuracy of the signal and great sensitivity of the valve allow a quick reaction when regulating the vacuum system
- ✓ Excellent quietness
- ✓ Quick and easy to install

Avantages

- ✓ La haute précision du signal et la grande sensibilité de la valve permettent d'intervenir instantanément dans la régulation du vide
- ✓ Très silencieuse
- ✓ Installation simple et rapide

Преимущества

- ✓ Высокая точность сигнала и высокая чувствительность позволяют своевременно реагировать на регуляцию уровня вакуума
- ✓ Бесшумный
- ✓ Простой и быстрый монтаж

Dati Tecnici SPV

Filetto di raccordo: 1/2" Gas Maschio
Dimensioni: 108x108x114 mm
Peso: 0,210 Kg

Dati Tecnici MCV

Filetto di raccordo: 1 - 1/2" Gas Maschio
Dimensioni: 140x140x237 mm
Peso: 1,150 Kg

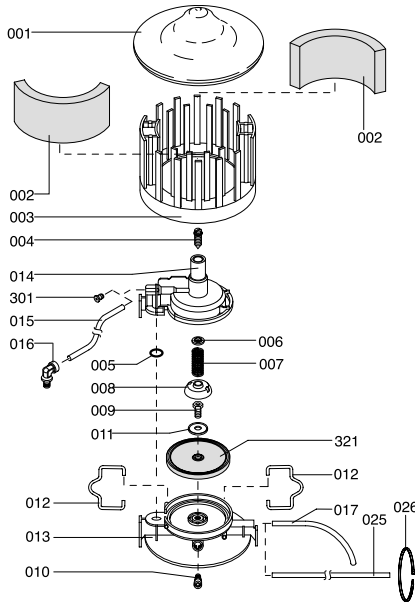
SPV Technical Data

Connection thread: 1/2" Bsp Male
Dimensions: 108x108x114 mm
Weight: 0,210 Kg

MCV Technical Data

Connection thread: 1 - 1/2" Bsp Male
Dimensions: 140x140x237 mm
Weight: 1,150 Kg

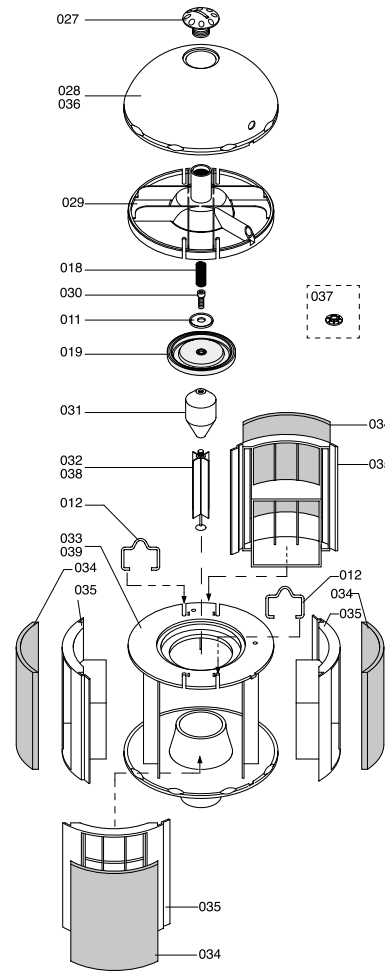
SPV Servo Pilot Valve





Pos.	Ref.	Note	Pos.	Ref.	Note
001	5000031		011	5000015	
002	5000095		012	5000010	
003	5000072		013	5000115	
004	5000047	with OR	014	5000027	
005	5000041		015	5000054	0,5 mt Mon.
006	5000030		016	5000044	Mon.
007	5000019		017	5000055	0,12 mt Mon.
008	5000029		025	5000056	10 mt Sep.
009	5000033		301	1000274	Sep.
010	5000046		321	5000032	




MCV Main Control Valve

Pos.	Ref.	Note
011	5000015	4000
012	5000010	
018	5000016	
019	5000005	
027	5000013	Sep.
028	5000066	4000
029	5000001	
030	5000018	
031	5000026	
032	5000012	4000
034	5000042	
035	5000039	
036	5000067	6000
037	5000017	6000
038	5000011	6000
045	5000002	4000/6000



	Stabilvac	Ref.	
	Servo Vacuum Regulators	4000	6000
Monoblock		5009008	5009009
Separate		5009025 With Q.M. kit (SPV)	5009026 With Q.M. kit (SPV)

	50 kPa (15" Hg)		Monoblock		Separate		Separate	
	l/min	cfm	4000	6000	4000	6000	2 x 4000	2 x 6000
Vacuum pump maximum capacity	2100	74						
	2500	88	OPTIMUM		OPTIMUM			
	3000	106						
	3300	115						
	2 x 1500	2 x 53		OPTIMUM		OPTIMUM		
	3 x 1500	3 x 53					OPTIMUM	
	2 x 3000	2 x 106						OPTIMUM
	2 x 3300	2 x 115						

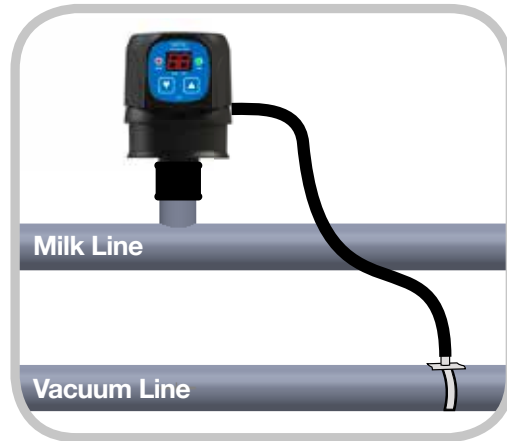
Vacuum Regulators	Ref.	
 SPV	5009024 With Q.M. kit	
 MCV	5009001 MCV 4000	5009002 MCV 6000
Accessories	Ref.	
	Top 30 3420015 3420014	Drain Valve - 1/2" - Thread part Drain Valve - 3/4" - Thread part

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Turbo Wash 4000 & 4000 P

Air Injector



Vantaggi

- ✓ Lavaggio e sanificazione efficace dell'impianto
- ✓ Alte prestazioni, fino a 4000 l/min. di portata
- ✓ Bassi consumi elettrici
- ✓ Elettronica affidabile ed programmazione intuitiva
- ✓ Facile da installare ed esente da manutenzione

Benefits

- ✓ Effective cleaning and sanitization of the system
- ✓ High performance, up to 4000 l/min of air capacity
- ✓ Low energy consumption
- ✓ Reliable electronic and easy to program
- ✓ Easy to install, service-free

Avantages

- ✓ Lavage et nettoyage efficace de l'installation
- ✓ Haute performances, jusqu'à 4000 l/min. capacité
- ✓ Faible consommation d'énergie
- ✓ Electronique fiable et programmation intuitive
- ✓ Facile à installer et sans entretien

Преимущества


- ✓ Эффективная промывка и санификация доильной системы
- ✓ Высокая производительность, объём до 4000 л/мин
- ✓ Низкие электрорасходы
- ✓ Надёжная электроника и лёгкое программирование
- ✓ Простая установка и не требует особого обслуживания

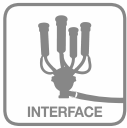
Dati Tecnici

Alimentazione: 24 V DC/AC
 Diametro tubo fissaggio: 40 mm
 Dimensioni: 130x150x130 mm
 Peso: 670 g
 Consumo: 130 mA

Technical Data

Power supply: 24 V DC/AC
 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 adapter D.38 mm



ITP 203-205-207

Sheep & Goats, Claws & System



✓ Patented

Dopo anni di ricerche ed esperienze fatte al fianco degli allevatori, InterPuls presenta una nuova e più performante serie di componenti per la corretta mungitura dei piccoli ruminanti.

After many years of research and development in close cooperation with animal breeders, InterPuls is pleased to present its new range of high performance components for the efficient milking of small ruminants.

Après des années de recherche et d'expérience aux côtés des éleveurs, InterPuls présente une nouvelle série de composants, plus performants, pour traire correctement les ruminants de petite taille.

На протяжении многих лет совместно с животноводами проводились исследования в результате ИнтерПулс может представить новую серию компонентов для правильного доения маленьких жвачных животных.



ITP 203 Alternate

ITP 203 Simultaneous

Dati Tecnici ITP203

Capacità: 120 cc
 Peso: 170 g
 Tubi entrata latte: 14x10 mm
 Tubi uscita latte: 18x14 mm
 Tubi ingresso aria: 10x7,5 mm
 Tubi uscita aria: 10x7,5 mm
 Dimensioni: 122x66x163 mm

ITP203 Technical Data

Capacity: 120 cc
 Weight: 170 g
 Milk inlet tube: 14x10 mm
 Milk outlet tube: 18x14 mm
 Puls. tube (long): 10x7,5 mm
 Puls. tube (short): 10x7,5 mm
 Dimensions: 122x66x163 mm

Dati Tecnici ITP205/207

Capacità: 20 cc
 Peso: 30 g
 Tubi entrata latte: 14x10 mm
 Tubi uscita latte: 14x10 mm
 Dimensioni: 97x40x79 mm

ITP205/207 Technical Data

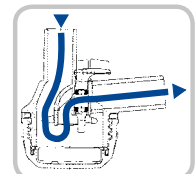
Capacity: 20 cc
 Weight: 30 g
 Milk inlet tube: 14x10 mm
 Milk outlet tube: 14x10 mm
 Dimensions: 97x40x79 mm



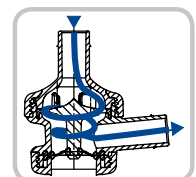
ITP 205

ITP 207

ITP 205



ITP 207



Classic

Pos.	Ref.	Note	
003	2040011		
008	2020021		
013	2000081	Goats D.20	
014	2000076	Goats	
015	2000069	Sheep D.18,5	
016	2000077	Sheep	
017	2050019		
018	2050021	ITP205	
Top 30	019	2050018	
020	2040005		
021	2000003	ITP205	
022	2040004		
023	2040002		
028	2000075	Sheep D.17	
029	2000007		
030	2000038		
031	2020009		

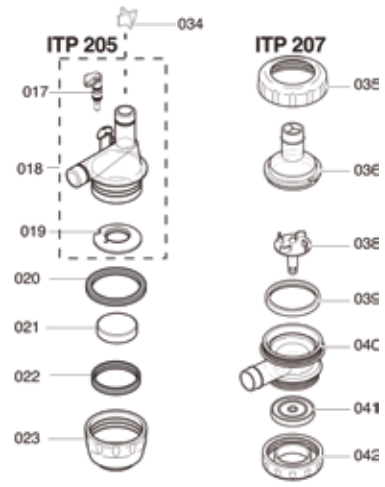
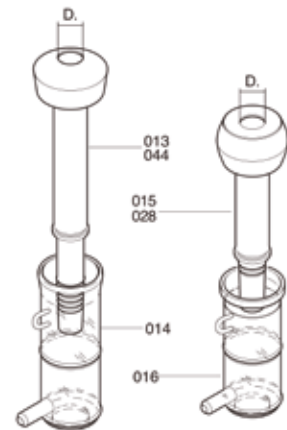
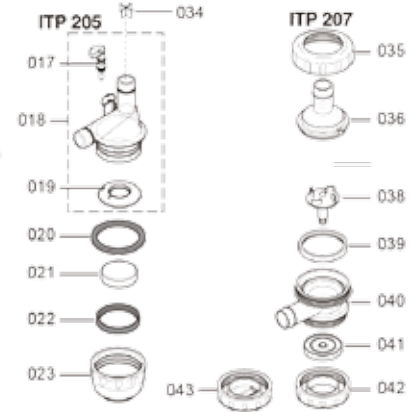
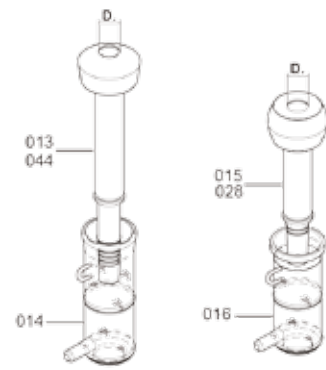
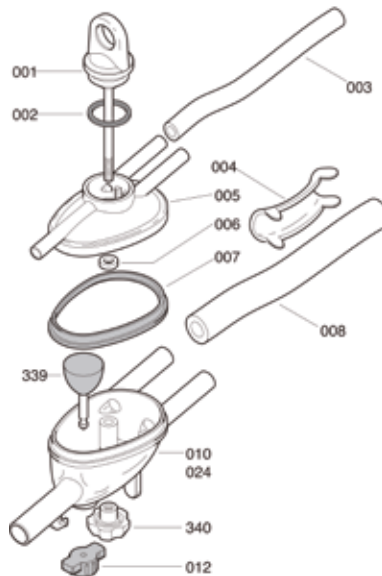
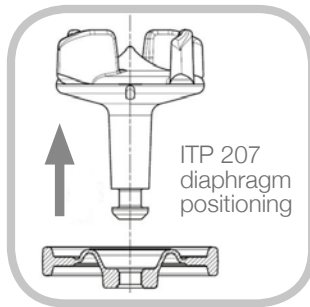
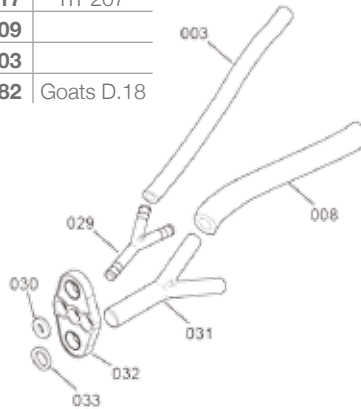
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Vanguard

Pos.	Ref.	Note	
001	2030003		
002	2030036		
003	2040011		
004	2030018		
005	2030029	Not vented	
006	2030027		
007	2030005		
008	2020021		
010	2030030	Valve	
012	2030006		
013	2000081	Goats D.20	
014	2000076	Goats	
015	2000069	Sheep D.18,5	
016	2000077	Sheep	
017	2050019		
018	2050021		
Top 30	019	2050018	
020	2040005		
021	2000003		
022	2040004		
023	2040002		
024	2030031	w/o valve	
025	2030034	Not vented	
026	2030035	Vented	
027	2030032	Vented	
028	2000075	Sheep D.17	
034	2060068		
035	2070005	ITP207	
036	2070013	ITP207	
038	2070004		
039	2070007	ITP207	
040	2070001	ITP207	
041	2070017	ITP207	
042	2070009		
044	2000082		
339	2030038		
340	2030023		










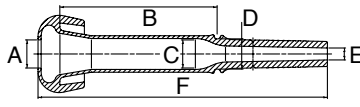

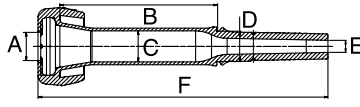

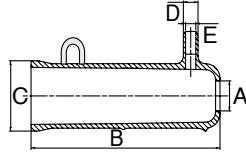

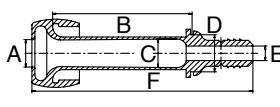

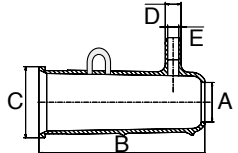
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Pos.	Ref.	Note
032	2040010	
033	2000037	
034	2060068	
035	2070005	ITP207
036	2070013	ITP207
038	2070004	
039	2070007	ITP207
040	2070001	ITP207
041	2070017	ITP207
042	2070009	
043	2070003	
044	2000082	Goats D.18



ITP 203	Ref.	ITP 203	Ref.
 Sim.	With vent 2039006 - With Shut-off 2039051* - With Shut-off - PSU	 Alt.	With vent 2039018 - With Shut-off 2039057* - With Shut-off - PSU
	Without vent 2039005 - With Shut-off 2039049 - With Shut-off - PSU		Without vent 2039017 - With Shut-off 2039059* - With Shut-off - PSU
 Sim.	With vent 2039008* - Without Shut-off 2039053* - Without Shut-off - PSU	 Alt.	Without vent 2039029 - With Shut-off
	Without vent 2039012* - Without Shut-off 2039055* - Without Shut-off - PSU		
ITP 207	Ref.	ITP 205	Ref.
	Top 30 2079016 Automatic without spring Normally closed Top 30 pag. 6-7		Top 30 2059016 Semi-Automatic Normally open Top 30 pag. 6-7
Classic for Goats	Ref.	Classic for Sheep	Ref.
	2059012 ITP205		2059013 ITP205
Vanguard for Goats	Ref.	Vanguard for Sheep	Ref.
 Sim.	2039032 ITP205	 Sim.	2039033 ITP205
 Sim.	2039034 ITP205 Without Shut-off valve		
 Alt.	2039035 ITP205		
 Alt.	2039037 ITP205 Without Shut-off valve		

*Special item available on demand.

Classic for Goats	Ref.	Classic for Sheep	Ref.																					
	2079003 ITP207		2079004 ITP207 2079011 with sheep liner D. 17 Ref. liner 2000075																					
Vanguard for Goats	Ref.	Vanguard for Sheep	Ref.																					
Sim. 	2039038 ITP207	Sim. 	2039039 ITP207																					
Sim. 	2039040 ITP207 Without Shut-off valve																							
Alt. 	2039041 ITP207	Alt. 	2039042 ITP207																					
Alt. 	2039043 ITP207 Without Shut-off valve																							
Goats Liner & TCS	Ref.	Note																						
 Rounded head	2000082* - D. 18 2000081 - D. 20		<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>Goats</td> <td>18</td> <td>112</td> <td>20</td> <td>21,5</td> <td>8,5</td> <td>206</td> </tr> <tr> <td>Goats</td> <td>20</td> <td>112</td> <td>20</td> <td>21,5</td> <td>8,5</td> <td>206</td> </tr> </tbody> </table>		A	B	C	D	E	F	Goats	18	112	20	21,5	8,5	206	Goats	20	112	20	21,5	8,5	206
	A	B	C	D	E	F																		
Goats	18	112	20	21,5	8,5	206																		
Goats	20	112	20	21,5	8,5	206																		
 Flat head	2000083		<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>Goats</td> <td>20</td> <td>112</td> <td>22</td> <td>20</td> <td>8,5</td> <td>206</td> </tr> </tbody> </table>		A	B	C	D	E	F	Goats	20	112	22	20	8,5	206							
	A	B	C	D	E	F																		
Goats	20	112	22	20	8,5	206																		
	2000076		<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>Goats</td> <td>20,5</td> <td>129</td> <td>48</td> <td>10</td> <td>7</td> </tr> </tbody> </table>		A	B	C	D	E	Goats	20,5	129	48	10	7									
	A	B	C	D	E																			
Goats	20,5	129	48	10	7																			
Sheep Liner & TCS	Ref.	Note																						
 Rounded head	2000075* - D. 17 2000069 - D. 18,5		<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>Sheep</td> <td>17</td> <td>94</td> <td>19,3</td> <td>25</td> <td>9,8</td> <td>149</td> </tr> <tr> <td>Sheep</td> <td>18,5</td> <td>94</td> <td>19,3</td> <td>25</td> <td>9,8</td> <td>149</td> </tr> </tbody> </table>		A	B	C	D	E	F	Sheep	17	94	19,3	25	9,8	149	Sheep	18,5	94	19,3	25	9,8	149
	A	B	C	D	E	F																		
Sheep	17	94	19,3	25	9,8	149																		
Sheep	18,5	94	19,3	25	9,8	149																		
	2000077		<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>Sheep</td> <td>25</td> <td>105</td> <td>45</td> <td>10</td> <td>7</td> </tr> </tbody> </table>		A	B	C	D	E	Sheep	25	105	45	10	7									
	A	B	C	D	E																			
Sheep	25	105	45	10	7																			

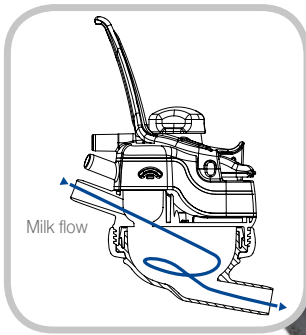
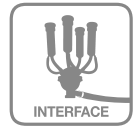
*Special item available on demand.

Indicative dimensions in mm.

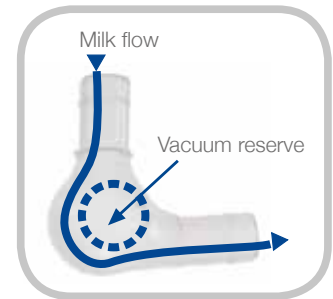
Accessories	Ref.	Note
<p>Gruppo studiato per evitare la strozzatura del capezzolo </p> <p>Cluster studied to prevent the teat blocking.</p> 	<p>2030018</p>	<p>Divaricatore Teat cup positioner Positionneur du faisceau Расширитель</p>
	<p>1900001</p>	<p>Posizionatore a stella Cluster positioner Positionneur du faisceau Установочное устройство для доильного аппарата</p>
	<p>9000278</p>	<p>Saliscendi Up & down hanger Tourniquet réglable Подвесной кронштейн</p>
 <p>D. 14x10</p> <p>D. 14x10</p>	<p>Top 30 2060078 With vent for ITP206</p> <p>Top 30 2060079 Without vent</p> <p>Top 30 pag. 6-7</p>	
<p>A  D. 17x8</p> <p>B  D. 17x8</p>	<p>A 9000065 Sheep</p> <p>B 9000152 Goats</p>	<p>Coppetta di lavaggio Jetter Jetter cup Емкость для промывки</p>
 <p>D. 9x7</p> <p>D. 17x13</p>	<p>9000074</p> <p>9000283</p>	<p>Deviazione a 4 vie con foro Distributor with vent Distributeur eau avec entrée air Отвод на 4 стороны с отверстием</p> <p>Deviazione a 4 vie Distributor Distributeur eau Отвод на 4 стороны</p>
 <p>D. 8x6</p>	<p>2000007</p>	<p>Deviazione aria Air distributor Distributeur d'air Воздухоотвод</p>
 <p>D. 14x10</p> <p>D. 18x14</p>	<p>2020023</p> <p>2020009</p>	<p>Con foro aria With vent Avec entrée d'air С отверстием для воздуха</p> <p>Senza foro aria W/o vent Sans entrée d'air Без отверстия для воздуха</p>

ITP 206

Sheep & Goats ACR claw



✓ Milk Bend



✓ HFS for ITP 206



✓ Patented

L'automazione è un'esigenza in costante crescita, anche nella mungitura dei piccoli ruminanti. Per questo InterPuls ha ideato il nuovo collettore Capre & Pecore ITP206.

There is a constantly growing need for automation: this also applies to the milking process of small ruminants. For this reason InterPuls has devised the new collector for Goats and Sheep ITP206.

L'automatisme est une nécessité de plus en plus présente, y compris pour la traite des petits ruminants. À cet effet, InterPuls propose son nouveau collecteur Chèvres et Brebis ITP206.

Автоматизация дольного процесса – это потребность, которая постоянно растет также при доении маленьких жвачных животных. ИнтерПулс создал новый коллектор для доения коз и овец ITP206.

Vantaggi

- ✓ Elevata stabilità del vuoto
- ✓ Elevata capacità di evacuazione del flusso del latte
- ✓ Valvole «normalmente chiuse» - perdite alla partenza nulle
- ✓ Principio di funzionamento a valvole indipendenti
- ✓ Leggero ed ergonomico
- ✓ Facile da pulire e da ispezionare

Benefits

- ✓ High vacuum stability
- ✓ High evacuation capacity of the milk flow
- ✓ Valves which are «normally closed» - zero leakages from the start of the milking process
- ✓ Operating principle based on separate valves
- ✓ Lightweight, ergonomic design
- ✓ Easy to clean and inspect

Avantages

- ✓ Grande stabilité du vide
- ✓ Grande efficacité d'évacuation du lait
- ✓ Vannes «normalement fermées» - chute de vide inexistante au départ
- ✓ Principe de fonctionnement à vannes indépendantes
- ✓ Légèreté et ergonomie
- ✓ Facilité de nettoyage et de contrôle

Преимущества

- ✓ Высокая стабильность вакуума
- ✓ Высокая способность слива молока
- ✓ Клапаны «Естественно закрыты» нет потерь вакуума на старте
- ✓ Принцип функционирования при помощи независимых клапанов
- ✓ Легкий и эргономичный
- ✓ Легко очистить и проверить

Dati Tecnici

Capacità: 120 cc
 Peso: 240 g
 Tubi entrata latte: 14x10 mm
 Tubi uscita latte: 18x14 mm
 Tubi di pulsazione: 10x7,5 mm
 Dimensioni versione linea alta: 111x100x173 mm
 Dimensioni versione linea bassa: 111x100x196 mm

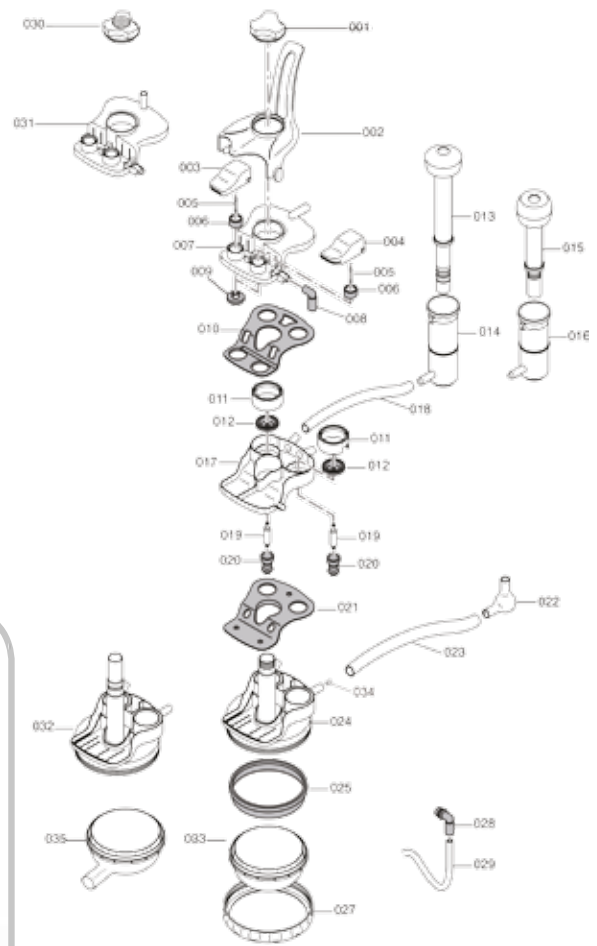
Technical Data

Capacity: 120 cc
 Weight: 240 g
 Milk inlet tubes: 14x10 mm
 Milk outlet tubes: 18x14 mm
 Pulsation tubes: 10x7,5 mm
 Dimensions high-line version: 111x100x173 mm
 Dimensions low-line version: 111x100x196 mm

Pos.	Ref.	Note
001	2060025	Low Line
002	2060111	
003	2060021	
004	2060020	
005	2060019	
006	2060022	
007	2060036	Low Line
008	2060048	
009	2060018	
010	2060015	
011	2060014	
012	2060097	
013	2000081	Goat D.20
014	2000076	Goat
015	2000069	Sheep D.19
016	2000077	Sheep
017	2060008	

Pos.	Ref.	Note
018	2060055	
019	2060058	
020	2060109	
021	2060007	
022	2060060	
023	2060054	
024	2060089	Low Line
025	2060004	
027	2060096	
028	2060049	
029	2060038	
030	2060024	High Line
031	2060016	High Line
032	2060088	High Line
033	2060001	High Line
034	2060068	
035	2060080	Low Line 10°

Top 30 pag. 6-7







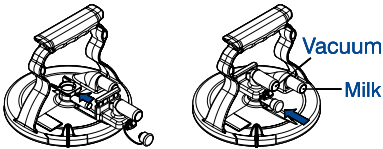





ITP 206 High Line	Ref. 2069042 Sim. not vented	ITP 206 Low Line 10°	Ref. 2069028 Sim. not vented
Plastic Bend	Ref. Top 30 2060078 Vented for ITP206 Top 30 pag. 6-7	Plastic Bend	Ref. Top 30 2060079 not Vented Top 30 pag. 6-7
ITP 206 Cluster for Goats	Ref. 2069056 High Line Sim.	ITP 206 Cluster for Sheep	Ref. 2069057 High Line Sim.
	2069036 Low Line 10° Sim.		2069037 Low Line 10° Sim.

*Special item available on demand.

Libero 14 & 16

Clear Lid



Libero 14-16	Ref.	Note
 Adaptable to 142 mm bucket's handle	3100001	LIBERO 14
	3100002	LIBERO 16
		 OD19 - ID14  OD21- ID16
Libero 16 By Pass	Ref.	Note
 Adaptable to 142 mm bucket's handle	3100014	
Accessories	Ref.	Note
	Top 30 pag. 6-7	3100054 Gasket D. 205 mm
	3100006	Hook
	3100062	By-Pass TB 16
	2800285	Rubber Adaptor Seat
	2800046	Shut-Off Plug



Clear Lids



✓ Check valve housing



✓ Check valve



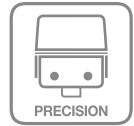
✓ Check valve assembly

ITP 30	Ref.	Note	Gasket	Ref.
	3100056 3100055 3100066	2 TB 19x14 2 TB 21x16 1 TB 21x16 + 1 TB 19x14	 D. 169,2 D. 205	Top 30 3100054 Top 30 pag. 6-7
	3100058 3100059	3 TB 19x14 3 TB 21x16		
		-Per 1-2 gruppi mungitori su secchi da 25-30 L -For buckets 25-30 L for 1-2 milking units -Pour pot 25-30 L pour 1-2 faisceaux trayeurs -Для 1-2 доильной группы для доения в ведро 25-30 л		
	3000018 3000019 3000020	2 TB 17x12 2 TB 21x16 1 TB 17x12 + 1 TB 21x16	 D. 172 D. 205	3000017
ITP 40	Ref.	Note	Gasket	Ref.
	3000010 3000025	3 TB 17x12 3 TB 21x16	 D. 182 D. 240	3000015
		-Per 1-2 gruppi mungitori su secchi da 25-30 L -For buckets 25-30 L for 1-2 milking units -Pour pot 25-30 L pour 1-2 faisceaux trayeurs -Для 1-2 доильной группы для доения в ведро 25-30 л		
ITP 50	Ref.	Note	Gasket	Ref.
	3000011 3000024	2 TB 17x12 2 TB 21x16	 D. 182 D. 240	3000015
		-Per 1-2 gruppi mungitori su secchi da 25-30 L -For buckets 25-30 L for 1-2 milking units -Pour pot 25-30 L pour 1-2 faisceaux trayeurs -Для 1-2 доильной группы для доения в ведро 25-30 л		

 **100%**
Recyclable Polymer

Ecobucket

23 & 30 L



Vantaggi

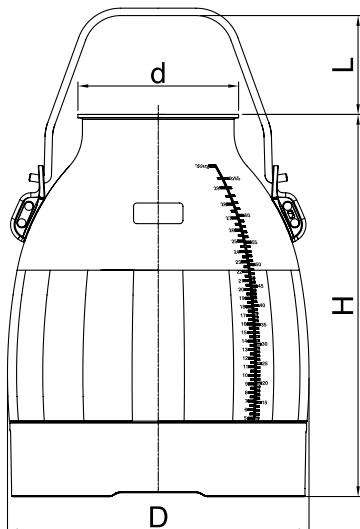
Benefits

- ✓ Costruito con tecnologia all'avanguardia e composto da polimeri 100% riciclabili
- ✓ Materiale traslucido semi-trasparente
- ✓ Scala graduata permanente in kg e in lb
- ✓ Facile da pulire grazie alla superficie interna liscia
- ✓ Stampato in un unico pezzo, senza saldature tra il bordo del fondo e il corpo del bidone
- ✓ Built with advanced technology and composed by 100% recyclable polymers
- ✓ Semi-transparent translucent material
- ✓ Milk level is easily seen on the permanent graduated scale in kg & lb
- ✓ Easy to clean, thanks to the internal smooth surface
- ✓ Moulded in 1 piece, seamless between the bottom rim and the bucket body









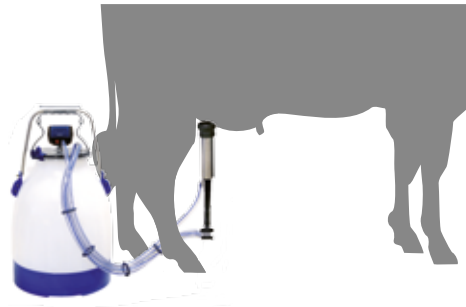
Avantages

Преимущества

- ✓ Construit avec technologie avancée et composé par 100% recyclables polymères
- ✓ Matériau translucide semi-transparent
- ✓ L'échelle graduée permanente en kg et en lb facilite la lecture du niveau du lait
- ✓ Facilité de nettoyage excellente grâce à la face intérieure lisse
- ✓ Moulé en une seule pièce, sans aucune soudure entre le bord inférieur et le corps du pot trayeur
- ✓ Произведено с передовой технологией и состоит из полимеров подлежащих 100% повторного использования
- ✓ Полимер утвержденный FDA
- ✓ Матовый, полупрозрачный материал
- ✓ Шкала в литрах и килограммах
- ✓ Легко очистить благодаря гладкой внутренней поверхности
- ✓ Отштампован одним цельным элементом без сварных швов между дном и корпусом бидона



Capacity	H	d	D	L (STD)	Weight
30 L	464	195	366	145	3 kg
23 L	390	195	366	145	2,8 kg

<p>Ecobucket 30 L</p> 	<p>Ref.</p> <p>2619001 145 mm STD Handle</p>	<p>Set Ecobucket 30 L</p> 	<p>Ref.</p> <p>2619013 Set 12 x Ecobucket 30 L Standard Handle</p>
<p>Ecobucket 23 L</p> 	<p>Ref.</p> <p>2619006 145 mm STD Handle</p>	<p>Set Ecobucket 23 L</p> 	<p>Ref.</p> <p>2619017 Set 12 x Ecobucket 23 L Standard Handle</p>
<p>Accessories</p> 	<p>Ref.</p> <p>2610031 Side Ear Kit</p>	<p>Libero by-pass kit</p> 	<p>Ref.</p> <p>3100064*</p>
	<p>2610073 Bottom Part Only</p>	<p>* Ecobucket not included.</p>	
<p>Quarter Milker kits</p> 	<p>Ref.</p> <p>3100075*</p> <p>3100077*</p>	<p>Note</p> <p>Quarter Milker kit - L02 Air + ITP205</p> <p>Quarter Milker kit - L80 + ITP205</p>	



ITALIA

Portable Milking Machine



InterPuls launches a new concept of “entry level”. The sinuous shape, the ergonomic design, the innovative and recyclable materials together with an advanced production technology make the ITALIA portable system a new landmark that only the “Milking component specialist” could mark. 170ITALIA & 220ITALIA grant sturdiness and reliability in every condition, ergonomics in order to answer to the farmer’s need and a sophisticated design to distinguish themselves!

Ref.	Note
6009028	170ITALIA 110V @60 Hz US Plug - 1 cow



Benefits

Unique and innovative product

Attractive and ergonomic design

"Built-in" 20L vacuum reserve

Plug & Play system

Light-weight and long-life equipment

Composed of 100% recyclable polymer



Easy to assemble



Portable Milking Machine

Ideal for low cows and buffaloes



INCLUDED

PMM 170

Ref.	Description	Model	V	Hz
6019085	PMM 1 Bucket - US Plug	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

Tagliafieno LH22



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.



Tagliafieno LH22

Ref.	Note
6209003	Tagliafieno 110V @60Hz
9002523	Cable reel 10 mt

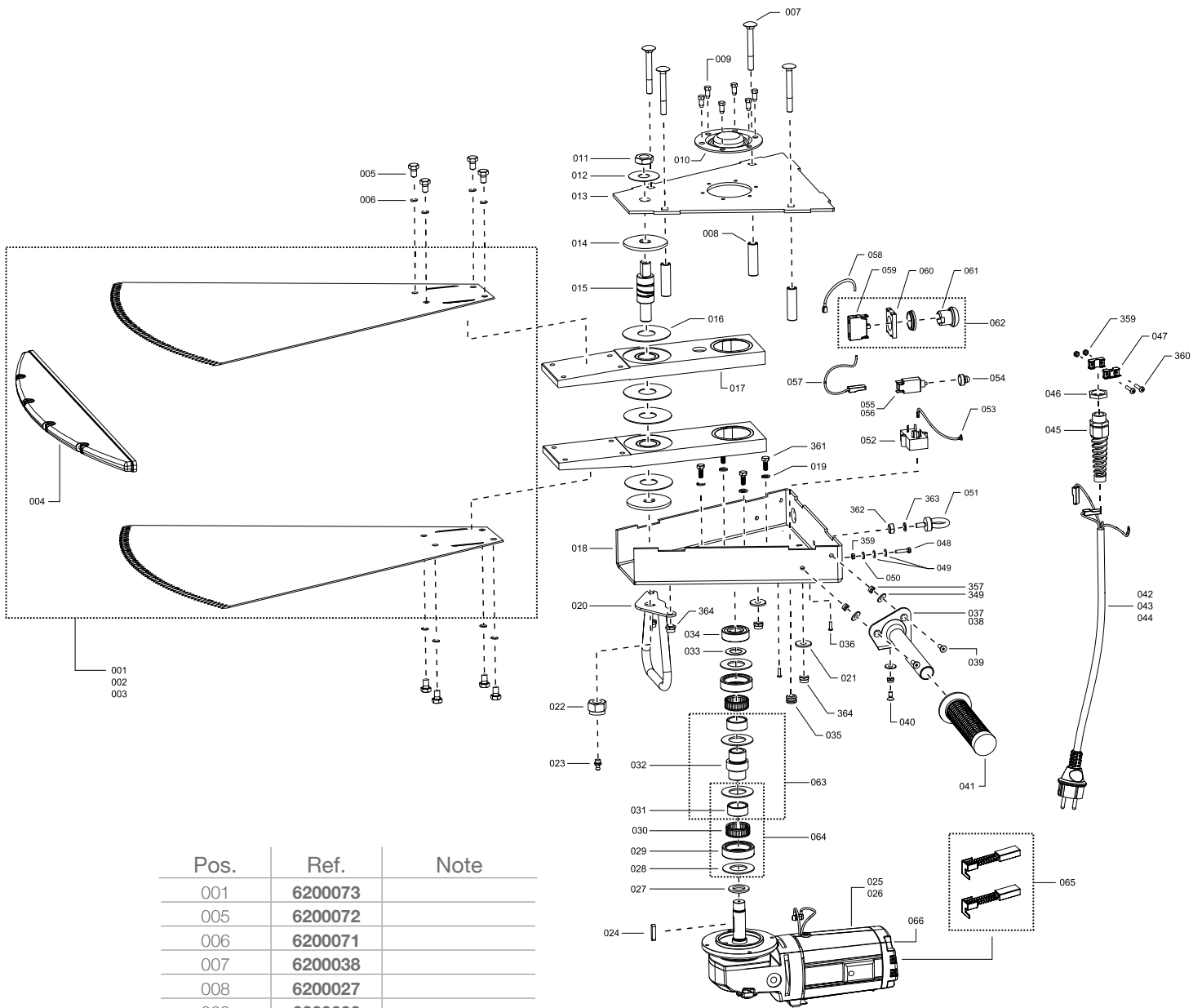
Dati Tecnici

Voltaggio: 230V @50Hz, 2000 rpm, 1.0kW, 4,5Amp;
115V @60Hz, 2000 rpm, 0.9kW, 8,6Amp
Peso: 15Kg
Larghezza taglio: 50cm
Profondità taglio: 60cm

Technical Data

Voltage: 230V @50Hz, 2000 rpm, 1.0kW, 4,5Amp;
115V @60Hz, 2000 rpm, 0.9kW, 8,6Amp
Weight: 15Kg
Cutting width: 50cm
Cutting depth: 60cm





Pos.	Ref.	Note
001	6200073	
005	6200072	
006	6200071	
007	6200038	
008	6200027	
009	6200033	
010	6200023	
011	6200037	
012	6200030	
013	6200019	
014	6200024	
015	6200029	
016	6200012	
017	6200077	
018	6200018	
019	6200041	
020	6200020	
022	6200062	
023	6200040	
024	6200063	
025	6200004	230 V
026	6200005	110 V
027	6200026	
033	6200025	
034	6200031	
035	6200032	
036	6200042	
037	6200021	
038	6200022	
039	6200065	

Pos.	Ref.	Note
040	6200064	
041	6200066	
042	6200049	EU Plug
044	6200051	US/CAN/JP Plug
045	6200044	
046	6200043	
047	6200039	
048	6200048	
049	6200047	
050	6200046	
051	6200045	
052	6200060	
053	6200054	
055	6200055	4 A
056	6200056	6 A
057	6200053	
058	6200052	
062	6200096	
063	6200078	
064	6200092	
065	6200093	
066	6200006	



Recommended Service Program

Warranty Policy: www.interpuls.com

Family	Product	Manutenzione raccomandata	Recommended service program
PULSATORI ELETTRONICI ELECTRONIC PULSATORS	Pulsator LE20 - LE30 Pulsator LP20 - LP30 Control Valve CV30 - CV20 LC30	<ul style="list-style-type: none"> ➤pulizia del filtro ogni 3 - 6 mesi con acqua e sapone ➤controllo rapporto e frequenza ogni 12 mesi ➤pulizia immediata in caso di ingresso latte per rottura guaina ➤revisione generale dopo 5.000 ore di funzionamento 	<ul style="list-style-type: none"> ➤clean the filter every 6 months (every 3 months under very damp and dusty conditions), rinse with clean water and mild detergent. Do not lubricate the filter ➤check rate & ratio at least every 12 months ➤clean immediately whenever milk has been sucked into the pulsator ➤a general overhaul is needed after 5.000 working hours
PULSATORI PNEUMATICI VACUUM PULSATORS	Pulsator L02 Pulsator L80 Pulsator LL90	<ul style="list-style-type: none"> ➤non lubrificare le parti in movimento ➤pulizia del filtro una volta al mese (acqua e spazzola per L02 e L80, aria compressa per LL90) ➤controllo rapporto e frequenza ogni 12 mesi ➤ogni 2 mesi pulizia generale delle varie parti e del corpo: utilizzare acqua tiepida e detergente neutro, una spazzola non metallica, risciacquare con acqua pulita e asciugare ➤pulizia immediata in caso di ingresso latte per rottura guaina ➤revisione generale dopo 1.500 ore di funzionamento 	<ul style="list-style-type: none"> ➤do not lubricate the moving parts ➤clean the filter at least once per month (use water mild detergent and soft not-metallic brush for L02 & L80; blow compressed air for LL90 filter) ➤check rate & ratio at least every 12 months ➤every 2 months clean the working parts and the pulsator body with water mild detergent and soft not-metallic brush. rinse all parts in clean water and dry ➤clean immediately whenever milk has been sucked into the pulsator ➤a general overhaul is needed after 1.500 working hours
REGOLATORI DEL VUOTO VACUUM REGULATORS	Stabilvac 1500 Stabilvac 3600 Stabilvac 4000 MON. Stabilvac 4000 SEP. Stabilvac 6000 MON. Stabilvac 6000 SEP.	<ul style="list-style-type: none"> ➤controllo del livello di vuoto dell'impianto ogni mungitura ➤pulizia del servocomando ogni 12 mesi: utilizzare un panno umido, svitare le 2 viti con foro calibrato e soffiare aria compressa ➤pulizia dell'otturatore della valvola principale ogni 12 mesi ➤pulizia dei filtri ogni mese (acqua tiepida e deterg. neutro): sostituire se danneggiati ➤sostituzione delle membrane dopo 2.500 ore di lavoro o dopo 1 anno dall'installazione ➤controllo dei tubi di trasmissione del segnale ogni mese 	<ul style="list-style-type: none"> ➤check system vacuum level daily ➤check & clean "Servo Pilot Valve" every 12 months: use damp cloth, unscrew and blow compressed air into the 2 calibrated orifices ➤inspect and clean cone valve every 12 months with damp cloth ➤inspect air filters every month. Clean with warm water and mild detergent. Replace if damaged ➤replace diaphragms after 2.500 working hours or 1 year ➤inspect sensor tubes every month and replace if damaged
	Spring regulators	<ul style="list-style-type: none"> ➤controllo livello di vuoto dell'impianto ogni mungitura ➤pulizia generale ogni 12 mesi 	<ul style="list-style-type: none"> ➤check system vacuum level daily ➤dismount and clean every 12 months
	Sanivac	<ul style="list-style-type: none"> ➤controllare il livello di vuoto nell'impianto ad ogni lavaggio ➤controllare i filtri aria ogni mese. Pulire con acqua tiepida e detergente neutro. Sostituire se danneggiato ➤controllare i tubi di trasmissione segnale ogni mese. Sostituire se danneggiati 	<ul style="list-style-type: none"> ➤inspect system vacuum level at every washing time ➤inspect air filters monthly. Clean with warm water and neutral detergent or replace if damaged ➤inspect sensor tubes monthly Replace if damaged
MISURATORE ELETTRONICO MILK METER	iMilk600	<ul style="list-style-type: none"> ➤lavaggio al termine di ogni mungitura con appositi prodotti ➤effettuare 3 volte a settimana un lavaggio utilizzando una soluzione composta da acqua + acido fosforico o fosfonitrico in concentrazione NON superiore al 3% ➤si raccomanda di effettuare la sostituzione delle parti morbide, specie quelle in movimento del MMV, una volta ogni 2 anni o ogni 5000h di funzionamento (le ore si intendono comprensive delle ore di mungitura e lavaggio) 	<ul style="list-style-type: none"> ➤clean after every milking session with appropriate products ➤three times a week wash with a solution of water + phosphoric or phosphonitric acid, in concentrations NOT exceeding 3% ➤For correct operation of the sensor, we recommend replacing the soft parts, especially the MMV moving parts, once every 2 years or every 5000 h of operation (the hours include milking and washing hours)
SISTEMA DI STACCO ACR SYSTEM	HFS HFSO SO Valve	<ul style="list-style-type: none"> ➤lavaggio al termine di ogni mungitura con appositi prodotti ➤verifica dello stato della membrana ogni 12 mesi Sostituire se necessario 	<ul style="list-style-type: none"> ➤clean after every milking session with appropriate products ➤check diaphragm every 12 months. Replace if needed

Family	Product	Manutenzione raccomandata	Recommended service program
SISTEMA DI STACCO ACR SYSTEM	DVC800 & DVC1000	<ul style="list-style-type: none"> ➤lubrificare solo con silicone spray ➤verifica della guarnizione del pistone ogni 6 mesi: sostituire se necessario 	<ul style="list-style-type: none"> ➤lubricate with silicon spray only ➤check piston diaphragm every 6 months. replace if needed
GRUPPI DI MUNGITURA PER BOVINE MILKING CLUSTERS FOR COWS	Lunik 200 Orbiter 250 Orbiter 350 Lunik 350	<ul style="list-style-type: none"> ➤lavaggio al termine di ogni mungitura con appositi prodotti ➤verifica costante della pulizia foro ingresso aria ➤sostituzione delle guarnizioni e della valvola di shut-off ogni 12 mesi 	<ul style="list-style-type: none"> ➤clean after every milking session with appropriate products ➤check the vent daily. Clean when necessary ➤replace gaskets & shut-off valve every 12 months
	Liner IPL01 Liner IPL02 Liner IPL11 Liner IP01 Bubalus	<ul style="list-style-type: none"> ➤lavaggio al termine di ogni mungitura con appositi prodotti ➤sostituzione dopo 2.500 mungiture o dopo 6 mesi $2.500 : \left(\frac{n. vacche \times n. mungiture}{n. gruppi} \right)$ 	<ul style="list-style-type: none"> ➤clean after every milking session with appropriate products ➤replace after 2.500 milking cows or after 6 months $2.500 : \left(\frac{n. of cows \times n. of milkings}{n. of clusters} \right)$
	Short pulse tube	<ul style="list-style-type: none"> ➤verifica dello stato generale ogni 12 mesi sostituire se necessario 	<ul style="list-style-type: none"> ➤check every 12 months. Replace if needed
	Rubber parts	<ul style="list-style-type: none"> ➤sostituire comunque tutte le parti in gomma ogni 2 mesi 	<ul style="list-style-type: none"> ➤replace all rubber parts every 12 months
GRUPPI DI MUNGITURA PER PECORE E PER CAPRE MILKING CLUSTERS for SHEEP & GOATS	ITP203 claw ITP205 valve ITP206 valve ITP207 valve Classic cluster Vanguard cluster	<ul style="list-style-type: none"> ➤lavaggio al termine di ogni mungitura con appositi prodotti ➤verifica costante della pulizia foro ingresso aria ➤sostituzione delle guarnizioni e della valvola di shut-off ogni 12 mesi 	<ul style="list-style-type: none"> ➤clean after every milking session with appropriate products ➤check the vent daily. Clean when necessary ➤replace gaskets & shut-off valve every 12 months
	Liners for sheep Liners for goats	<ul style="list-style-type: none"> ➤lavaggio al termine di ogni mungitura con appositi prodotti ➤sostituzione al termine di ogni stagione di mungitura 	<ul style="list-style-type: none"> ➤clean after every milking session with appropriate products ➤replace after every lactation
	Rubber parts	<ul style="list-style-type: none"> ➤sostituire comunque tutte le parti in gomma ogni 2 mesi 	<ul style="list-style-type: none"> ➤replace all rubber parts every 12 months
PROGRAMMATORE DI LAVAGGIO WASHING PROGRAMMER	Top Wash III Top Wash Lite II	<ul style="list-style-type: none"> ➤pulire i filtri ingresso acqua ogni mese (ogni 15 gg se l'acqua presenta un forte contenuto di calcareo altre sostanze) ➤verifica tecnica generale ogni 12 mesi ➤verificare integrità tubetti interni pompe peristaltiche ogni 6 mesi 	<ul style="list-style-type: none"> ➤inspect sensor tubes monthly. Replace if damaged ➤a general overhaul is recommended every 12 months ➤inspect peristaltic pump internal tube every 6 months
COPERCHI IN PLASTICA E ACCIAIO INOX PLASTIC LIDS & S/S LIDS	Lids Gaskets	<ul style="list-style-type: none"> ➤lavaggio al termine di ogni mungitura con appositi prodotti ➤verifica dello stato delle guarnizioni ogni 12 mesi sostituirle se necessario 	<ul style="list-style-type: none"> ➤clean after every milking session with appropriate products ➤check and clean gaskets every 12 months. Replace if needed
VASI SANITARI SANITARY TRAPS	Gaskets	<ul style="list-style-type: none"> ➤lavaggio al termine di ogni mungitura con appositi prodotti ➤verifica dello stato delle guarnizioni ogni 12 mesi sostituirle se necessario 	<ul style="list-style-type: none"> ➤clean after every milking session with appropriate products ➤check and clean gaskets every 12 months. Replace if needed
FILTRI LATTE MILK FILTER	Filter Gaskets	<ul style="list-style-type: none"> ➤sostituzione del filtro dopo ogni mungitura ➤lavaggio al termine di ogni mungitura con appositi prodotti ➤verifica dello stato delle guarnizioni ogni 12 mesi sostituirle se necessario 	<ul style="list-style-type: none"> ➤replace filter after every milking session ➤clean after every milking session with appropriate products ➤check and clean gaskets every 12 months. Replace if needed

New Milking Parlour

Check List

Tabella • Chart

La progettazione di una nuova sala di mungitura richiede molte considerazioni per ottenere un sistema pratico ed efficiente. La seguente checklist guida "step by step" per un corretto dimensionamento di ogni singolo componente.

Specifiche sala di mungitura

Tipo di sistema

- Secchio mungitore
- Trasporto latte
- Swingover
- Sala
- Giostra

Descrizione	Valore
Dimensioni sala	
Pompa vuoto	
Valvola del vuoto	
Pulsazione	
Gruppi	
Unità terminale	
Pompa latte	
Dimensioni - linea - vuoto	
Dimensioni - linea - latte	
Programmatore di lavaggio	
Gruppi di lavaggio	
Stacco automatico	
Misurazione - manuale	
Misurazione - elettronica	
Dimensioni vasca	
Dairy management	
Identificazione manuale	
Identificazione elettronica	
Rilevamento calori	
Alimentatori automatici	

New milking parlour designing requires a lot of planning in order to reach the target of a practical and cost effective complete system. The checklist below is a useful step by step guide for the correct estimate of each singular device.

Milking parlour specifications

System type

- Bucket milking
- Pipeline
- Swingover
- Side by side
- Rotary

Description	Value
Milking system size	
Vacuum pump	
Vacuum regulator	
Pulsation	
Cluster	
Therminal unit	
Milk pump	
Vacuum line size	
Milk line size	
Automatic washing programmer	
Washing unit	
Automatic cluster remover	
Manual milk meter	
Electronic milk meter	
Wash trough size	
Dairy management	
Manual ID	
Electronic ID	
Heat detection	
Automatic feeding	



Notes

#Pulsation

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#Buckets & PMM

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#Vacuum Care

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#Cleaning Solutions

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#Sheep & Goats


ITP203/205/207 (pag. 32)
Classic/Vanguard Milking Cluster (pag. 33-34)
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