

LASER[®]

INDUSTRIE

PRODUCT CATALOGUE

Spraying at the service of professionals.



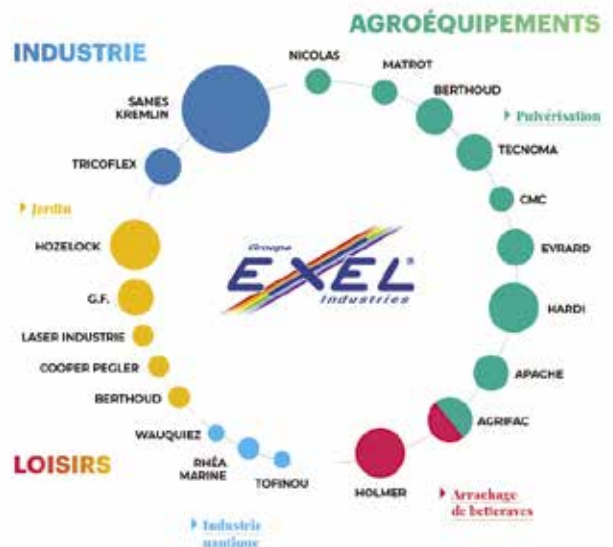
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INTRODUCTION

LASER belongs to the French Family Group **EXEL INDUSTRIES**, world leader in agricultural spraying and beet harvesters and among the main world leaders in consumer watering and spraying industrial.

- World No. 1 in plant protection
- World No. 3 in materials protection
- 3 546 employees, of which 57.6% abroad
- Subsidiaries located in 35 countries on all continents
- 24 industrial sites around the world
- Over 316 active patents filed in many countries.



LASER

The LASER INDUSTRIE range of professional sprayers is dedicated to industry in all of its forms. Since 1991, we have been manufacturing high-performance, reliable sprayers that are technologically very advanced, designed to resist aggressive chemicals (acids, solvents, detergents, bases, etc.)

Our sprayers are used in various fields such as :

- Construction (main works, secondary works)
- Automotive
- Hygiene
- Livestock farming
- Agri-foods
- Pest control

LASER[®]

INDUSTRIE



LASER ADDED VALUES

- ✓ A diversified offer that adapts to the customer
- ✓ Made in France
- ✓ A responsive after-sales service with a catalog of 250 spare parts available
- ✓ Product reliability and safety thanks to our ISO 9001 standard



All of our sprayers with a volume greater than 2 liters are **made in France**, in our factory HOZELOCK-EXEL situated in Villefranche-sur-Saône in the heart of Beaujolais. We are proud to **support the local economy** and use **French know-how**.



certified ISO 9001:2015

With ISO 9001 certification, our company applies **demanding quality controls** to all the manufacturing processes in order to **provide quality and safety** which complies with the requirements of the Machine Directive.

Customer service

- We keep parts of our old models available for up to 10 years
- Our devices are guaranteed for a minimum of 2 years in accordance with the regulations in force.
- We provide a spare parts catalog with exploded views of our products

www.laser-industries.com/en/

A complete site to help you
in your research



Our content



Product sheets :
product presentation
and accessories in detail
as well as all the advantages
products.

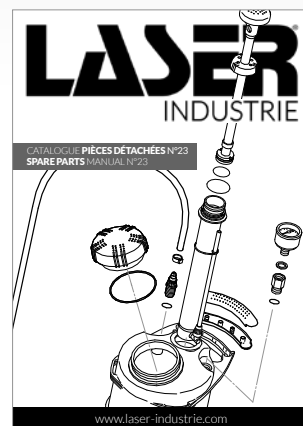


The assembly instructions
and use of products

Download our catalogs



Product catalog



The parts catalog
detached :
presentation of the
composition of our products
and references component
(useful in case of
replacement of a part)

LASER INDUSTRIE

a customised, high-performance and reliable sprayer range

Specially suited for the needs of industry, the LASER INDUSTRIE range of sprayers was designed to resist aggressive chemicals for intensive use such as concentrated acids, alkaline strippers... Applying aggressive chemicals requires components that are specifically selected for their chemical compatibility, but which also provide the sprayer with an excellent lifespan while still providing the user with comfort and performance. That is why several points have to be taken into account when choosing the sprayer adapted to one's needs.

The sprayer trigger

The trigger is an essential part of the sprayer as it is the part that is in contact with the user's hand but also with the chemical.

LASER INDUSTRIE sprayers are equipped with the «Profile» trigger which provides optimum comfort during use thanks to its ergonomic shape and guarantees safe and reliable use for the operator.

For example, our «special for acid» trigger includes a seal that isolates the spring of the handle from the sprayed liquid which protects the pistons and therefore the trigger.



The quality of the hose

In order to guarantee long life for our sprayers, all of our hoses are woven in order to guarantee excellent resistance over time. The latter are all manufactured in France by Tricoflex, the reference in hoses.

We have selected the hoses according to the type of application. Our Expert Viton models are as such equipped with hytrel hoses, a material that is highly resistant to solvent chemicals.



The various seals of the sprayer

- Types of seals

Most of the LASER INDUSTRIE sprayers are equipped with «CUP» seals which allow for more contact surface compared to conventional «O-ring» seals. This specificity protects the pump for a longer lifespan and increases pumping efficiency.



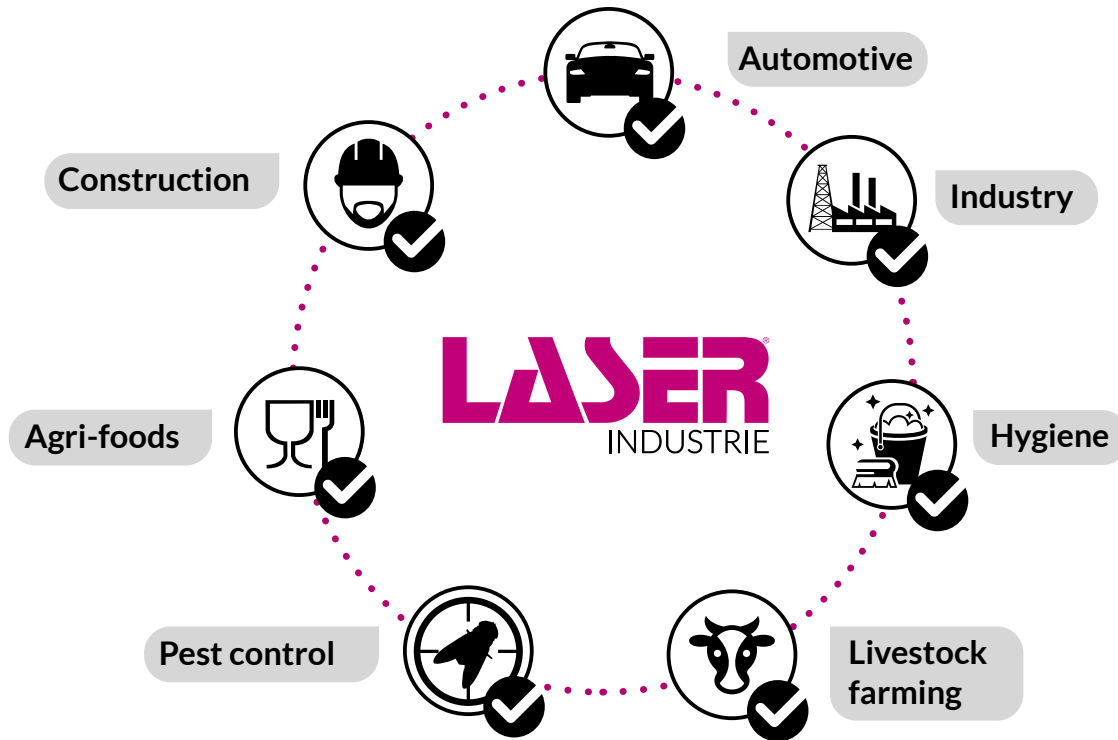
Types of sprayable chemicals

As with seals, sprayers are designed to resist a range of chemicals thanks to specific components (seals, material of the lance, quality of the hose, valve, pump...)

The 3 major families of chemicals are :

- Neutral /non-corrosive products
- Acid products with a solvent base
- Alkaline products with a chlorine base

A CLEAR SEGMENTATION



Thanks to our product revamp, it is now much easier to make the right choice from the extensive LASER INDUSTRIE range:

- By a simple language :
 - Segmenting products by **type of activity**
 - **Colour coding products according to the materials to be sprayed** (pH, adapted seals)
- Thanks to a **complete and consistent range** in order to meet the market expectations
- By clearly communicating **the key-product benefits** of our LASER INDUSTRIE ranges

Acid products



JOINTS
VITON
SEALS



Neutral products



JOINTS
NITRILE
SEALS



Basic products



JOINTS
EPDM
SEALS

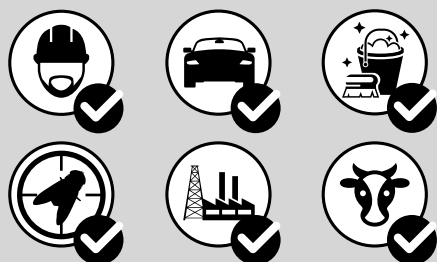


The presentation of the LASER INDUSTRIE product range enables you to identify the correct sprayer according to the pH of sprayed product. In addition, each component (seal, lance, trigger, hose, etc) has a spectrum of resistance to different chemicals. So, we propose sprayers with the most appropriate combination of materials according to the material to be sprayed.

 Please consult us to verify the compatibility of our product with the sprayed product technical data sheet.

Acid products

Oils and petroleum derivatives, Diluted acids, Detergents, Aliphatic or aromatic or chlorinated solvents, Strong acids but only slightly oxidising



Neutral products

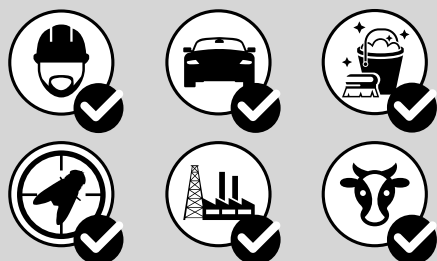
Weed killers, Herbicides, fungicides



Exel 7 Nitrile 7007 100-003-612 (product with neutral box)

Basic products

Bleach, Caustic soda, concentrated alkaline products, Disinfectants, Strippers, Cleaners of the shampoo type for vehicles



*Before using the product, please check the compatibility between the sprayer and the chemical.



Beware, our codes change!

The LASER INDUSTRIE range also includes, triggers, knapsacks and accessories!

Applications	LASER 2 Viton	EXEL 7 Construction	EXEL 7/10 Viton	LASER 7/12 Viton	EXPERT 8/14 Viton
					
	8056 100-003-752	8034 100-003-750	8057 - 8058 100-003-765 / 100-003-766	8038 - 8040 100-003-752 / 100-003-753	101 180 - 101 181 100-002-532 / 100-002-533
Weed killer	YES	YES	YES	YES	YES
Neutral roof anti-moss	YES	YES	YES	YES	YES
Alkaline roof anti-moss	NO	NO	NO	NO	NO
Solvent formwork oil	YES	YES	YES	YES	YES
Plant formwork oil	YES	YES	YES	YES	YES
Linseed oil	YES	YES	YES	YES	YES
Oil for protecting farming machinery	YES	YES	YES	YES	YES
Solvent waterproofing agent for façades	YES	YES	YES	YES	YES
Neutral waterproofing agent for façades	YES	YES	YES	YES	YES
Neutral anti-slip agent	YES	YES	YES	YES	YES
Diluted acids	Contact us	Contact us	Contact us	Contact us	Contact us
Neutral formula wood treatment	YES	YES	YES	YES	YES
Wood treatment	YES	YES	YES	YES	YES
Adhesives for wall covering	YES	YES	YES	YES	YES
GO or FUEL	NO	NO	NO	NO	YES
Neutral or acidic disinfectants	YES	YES	YES	YES	NO
Alkaline disinfectants	NO	NO	YES	NO	NO
Foaming alkaline disinfectants	NO	NO	YES	NO	NO
Javel	NO	NO	NO	NO	NO
Diluted caustic soda	NO	NO	NO	NO	NO
Foaming neutral or acidic disinfectants	NO	NO	NO	NO	NO
Neutral or acidic insecticides	YES	YES	NO	YES	YES (except wasp killers)
Alkaline insecticides	NO	NO	NO	NO	NO
Alkaline detergents	NO	NO	NO	NO	NO
Foaming alkaline detergents	NO	NO	NO	NO	NO
Neutral or acidic detergents	YES	YES	NO	YES	YES
Foaming neutral or acidic detergents	NO	NO	NO	NO	NO
Paint strippers	YES	YES	NO	YES	YES
Odour killers	YES	YES	NO	YES	YES
Descaling agents (stainless steel)	YES	YES	NO	YES	NO
Vaccination via inhalation	NO	NO	NO	NO	NO
Vaccination via contact	NO	NO	NO	NO	NO
Chemicals approved for food contact	NO	NO	NO	NO	NO
Liquid food (milk, brine, syrup, colouring)	NO	NO	NO	NO	NO

COSMOS 18 Pro Export	LASER 2 EPDM	EXPERT 8 EPDM	EXPERT 8/14 EPDM steel lance	Exel 7 Nitrile	Other references
					
102 216 100-002-606	8059 100-002-137	101 173 100-002-528	101 177 - 101 778 100-002-528 / 100-002-531	7007 100-003-612	
YES	NO	NO	NO	YES	
YES	NO	NO	NO	YES	Moto-pompe group
YES	YES	YES	YES	NO	
NO	NO	NO	NO	NO	
YES	NO	NO	NO	YES	
YES	NO	NO	YES	NO	
YES	NO	NO	NO	NO	
YES	NO	NO	NO	NO	Moto-pompe group
YES	NO	NO	NO	NO	Moto-pompe group
YES	YES	YES	YES	YES	
Contact us	Contact us	Contact us	Contact us	Contact us	Contact us
YES	YES	YES	YES	YES	
YES	NO	NO	NO	NO	
YES	YES	YES	YES	YES	
YES	NO	NO	NO	NO	
YES	NO	NO	NO	NO	
YES	OUI	NO	YES	NO	
YES	NO	NO	NO	NO	EPDM Foam range
YES	NO	NO	YES	NO	
YES	NO	NO	YES	NO	
YES	NO	NO	NO	NO	Viton Foam range
YES (except wasp killers)	NO	NO	NO	NO	
YES	YES	YES	YES	NO	
YES	YES	YES	YES	NO	
NO	NO	NO	NO	NO	EPDM Foam range
YES	NO	NO	NO	NO	
NO	NO	NO	NO	NO	Viton Foam range
NO	NO	NO	NO	NO	
YES	NO	NO	NO	YES	
NO	NO	NO	NO	NO	
YES 6/10° nozzle	NO	NO	NO	NO	Contact us
YES 6/10° nozzle	NO	NO	NO	NO	Contact us
NO	NO	NO	NO	NO	Chef range
NO	NO	NO	NO	NO	Chef range

**Advantages**

- + 100% food grade (complies with EC regulation no. 1935/2004 and European regulation 10/2011)
- + Quick to apply, saves time
- + Economical
- + Portability
- + Spray homogeneity (Good distribution of the product applied)
- + Applicator isolated from target
- + Application versatility

**Food contact
certification****Usage
between 3°C
and 60°C****Practical,
portability****Compatibility table**

APPLICATIONS	COMPRESSION SPRAYER	
	Hollow cone nozzle	Flat fan nozzle*
Milk	++	++
Brine	++	++
Syrup	+	++
Melted Butter	+	++
Oil	+	++
Liquid Egg	+	++
Caramel	+	++
Liquid maturing flora	++	++
Liquid dye	++	++
Vinegar	++	++

+: Good spraying
 ++: Perfect spraying

*Flat fan nozzle
 specialized for viscous
 product

**Compression sprayer***Chef 7*

- Graduated 5L translucent tank (total capacity 6,4L)
- Ergonomic two-handed pumping trigger
- 3 Bar security valve
- Adjustable strap for transport
- Professional food-grade hose phthalate free
- Wide base for better stability
- 40cm Aluminium lance with locking clip
- 2 nozzles included (Hollow and flat fan nozzle)
- Food grade Viton seals
- Technical and traceability information
- Food hose Tricoflex



8064
 100-003-769

Features	Ref	EAN code	Unit	Product				Palett				
				Unit weight (g)	Dimensions L x P x H (mm)			Weight (kg)	Dimensions L x P x H (mm)			Nb layer / layer
Chef 7	8064 100-003-769	3414438080645	12	1,7	200	200	520	132.4	1200	800	1690	3 / 24



Among its different ranges, there is a range of Laser Industrie products compatible for hygiene actions. Indeed, these products are intended for cleaning needs and disinfection operations through the application of chlorinated disinfectants (bleach, disinfectants, antibacterial products, some acids, etc).

The spraying of bleach or disinfectants can be done with the following Industrial Laser Sprayers:

Compatible triggers (Hygiene range) :				Compatible small sprayers :	
					
483 403 100-003-565	483 404 100-003-566	483 405 100-003-567	483 406 100-003-568	8059 100-002-137	8065 100-003-770
Compatible pre-pressure sprayers :					
					
8053 100-003-762	101 173 100-002-528	101 177 100-002-530	101 178 100-002-531		

SOME INFORMATION ABOUT BLEACH

Bleach is available in liquid form (in bottles and cartons - conservation 3 years) or in solid form (in tablets - conservation 3 months). For this reason, the berlingots must be diluted quickly (with cold water). If these times are exceeded, the product no longer disinfects. Bleach should be stored away from light and heat.

Bleach is marketed in several dilution levels, each with a specific name :

- Bleach extract: product containing 9.6% active chlorine;
- Bleach: product containing 2.6% active chlorine;
- Eau de LaBarraque: diluted bleach.

Today, bleach is sometimes incorporated into detergents to provide «2-in-1» products that clean and disinfect.

The wearing of personal protective equipment (such as overalls, goggles, gloves, masks, etc.) is mandatory when handling Laser Industrie sprayers and aggressive chemicals.



VERSATILE PUMP SPRAY HEADS

- Nozzles with an adjustable and adaptable stream
- Filter-equipped dip tubes
- Sealed models on tank (see compatibility with tanks, p.14)
- Available in different colours
- Different flow rates according to the models (see summary table, p.13)

CANYON

- The market reference for professional triggers
- Ergonomic spray head for that is very comfortable to use (4 fingers)
- Equipped with nitrile
- Product available while stocks last!



(1) **256 124**
100-003-088

Features	Ref	EAN code	Unit	Unit weight (g)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Tête CANYON Noire *Products available while supplies last!	(1) 256 124 100-003-088	3414432561249	50	4,2	350	550 x 400 x 420	1,5	4	5	1200 x 800 x 1830

VELA



- Spray head that is rounded and ergonomic (3 fingers)
- Wide chemical compatibility, possibility of using aggressive products
- Comes with a «foam» nozzle according to the model



Features	Ref	EAN Code	Unit	Unit weight (g)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
VELA head White/Red	(2) 481 966 400-003-630	3414434819669	50	3,6	500	580 x 410 x 570	1,8	3	4	1200 x 800 x 1860
VELA head White/Green	(3) 481 967 400-003-631	3414434819676	50	3,6	500	580 x 410 x 570	1,8	3	4	1200 x 800 x 1860
VELA head White/Yellow	(4) 481 970 400-003-634	3414434819700	50	3,6	500	580 x 410 x 570	1,8	3	4	1200 x 800 x 1860
VELA head White/Blue	(5) 481 968 400-003-632	3414434819683	50	3,6	500	580 x 410 x 570	1,8	4	4	1200 x 800 x 2430
VELA headBlue/Blue	(6) 480 098 100-003-543	3414434800988	50	3,4	500	580 x 410 x 570	1,7	3	4	1200 x 800 x 1860
VELA head White/Red FOAM	(7) 482 615 400-003-715	3414434826155	50	3,8	500	580 x 410 x 570	1,9	2	5	1200 x 800 x 1290

VERSATILE PUMP SPRAY HEADS

MAXI

- Ergonomic spray head with 3-finger position
- Equipped with nitrile or Viton seals according to the model



(9) 200 460
100-002-987

Features	Ref	EAN Code	Unit	Unit weight (g)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
MAXI head White/Blue Products available while supplies last!	(9) 200 460 100-002-987	3414432004609	50	4,2	500	580 x 410 x 560	2,1	1	1	1200 x 800 x 710

HYGIENE 360°

- Ergonomic spray head with 3-finger position
- 360° system



(12) 483 403 (13) 483 404 (14) 483 405 (15) 483 406

Features	Ref	EAN Code	Unit	Unit weight (g)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
HYGIENE head White/Blue	(12) 483 403 100-003-565	3414434834037	150	4,4	150	450 x 400 x 270	0,7	1	36	1200 x 800 x 420
HYGIENE head White/Green	(13) 483 404 100-003-566	3414434834044	150	4,4	150	450 x 400 x 270	0,7	1	36	1200 x 800 x 420
HYGIENE head White/Yellow	(14) 483 405 100-003-567	3414434834051	150	4,4	150	450 x 400 x 270	0,7	1	36	1200 x 800 x 420
HYGIENE head White/Red	(15) 483 406 100-003-568	3414434834068	150	4,4	150	450 x 400 x 270	0,7	1	36	1200 x 800 x 420

TYPE OF SEALS, LENGTH OF DIP TUBE AND FLOW RATES ACCORDING TO THE TRIGGER HEAD MODELS

Seal	Nitrile				Viton
	CANYON	VELA	VELA MOUSSE	HYGIENE 360°	MAXI
Ref	(1) 256 124 100-003-088	(2) 481 966 400-003-630 (3) 481 967 400-003-631 (4) 481 970 400-003-634 (5) 481 969 400-003-633 (6) 481 968 400-003-632 (7) 480 098 100-003-543	(8) 482 615 400-003-715 (9) 482 501 400-003-687	(12) 483 403 100-003-565 (13) 483 404 100-003-566 (14) 483 405 100-003-567 (15) 483 406 100-003-568	(11) 200 460 100-002-987
Dose	1 ml/pression	1,2 ml/pression		1,2ml / pression	2 ml / pression
Length dip tube	240 mm	205 mm (7) 480 098 : 230 mm	230 mm	260 mm	210 mm

BOTTLES

- Polyethylene bottles (12 399: polypropylene).
- Graduated translucent body (ml)
- Can take a range of multi-functional heads
- Bottle cap (white) compatible with all LASER sprayers



Code	12 338 100-002-662	411 581 400-003-476	281 972 100-003-188	219 616 400-003-218
Thickness	0,65 mm	1 mm	0,8 mm	0,8 mm
Weight	38 g	54 g	55 g	64 g

			COMPATIBILITY HEADS / BOTTLES			
PRODUCT	colours	Liter Réf.	0,45 l 12 338 100-002-662	0,60 l 411 581 400-003-476	0,70 l 281 972 100-003-188	1 l 219 616 400-003-218
CANYON head	● ●	(1) 256 124 100-003-088				X
VELA head	● ○	(2) 481 966 400-003-630	X	X	X	
	● ○	(3) 481 967 400-003-631	X	X	X	
	● ○	(4) 481 970 400-003-634	X	X	X	
	● ○	(6) 481 968 400-003-632	X	X	X	
	● ●	(7) 480 098 100-003-543				X
	● ○	(8) 482 615 400-003-715				X
MAXI head	● ○	(10) 400 095 400-003-421	X	X	X	
	○ ○	(11) 200 460 100-002-987	X	X	X	
HYGIÈNE head 360°	● ○	(12) 483 403 100-003-565				X
	● ○	(13) 483 404 100-003-566				X
	● ○	(14) 483 405 100-003-567				X
	● ○	(15) 483 406 100-003-568				X
Cap	○	764 350 100-003-738	X	X	X	X

					Product			Palett		
Features	Ref	EAN Code	Unit	Unit weight (g)	Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
0,5L bottle	100-002-662	3414430123388	50	38	288	800 x 600 x 540	1,4	4	2	1200 x 800 x 2310
0,6L bottle	400-003-476	3414434115815	50	54	280	800 x 600 x 740	1,9	3	2	1200 x 800 x 2370
0,75L bottle	100-003-188	3414432819721	50	55	160	800 x 600 x 530	1,0	4	2	1200 x 800 x 2270
1L bottle	400-003-218	3414432196168	50	64	131	800 x 600 x 550	0,8	4	2	1200 x 800 x 2350
Cap	100-003-738	3414437643506	50	0,3	300	370 x 300 x 200	0,1	1	1	1200 x 800 x 150

F1 VITON

- Translucent polyethylene bottle (0.6 liters)
- MAXI head
- Adjustable nozzle with shut-off
- For the application of hydrocarbon-based solvents, insecticides and paint strippers.
- Viton piston
- Graduated scale



101 055
100-002-519



					Product			Palett		
Features	Ref	EAN Code	Unit	Unit weight (g)	Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
F1 Viton	100-002-519	3414431010557	50	100	50	600 x 410 x 410	5,0	3	4	1200 x 800 x 1380

JOINTS VITON SEALS



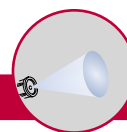
COMPRESSION SPRAYERS

VITON SEALS RANGE



8056
100-002-136

Laser 2 Viton



For the application of neutral or weak acidic paint strippers, rodenticides, disinfectants and detarring solvents and products for treating wood and roof timbers.

- Translucide and graduated tank. Total capacity : 2L. Usable capacity : 1,5L
- Ergonomic knob for an easy pressurizing
- Pump with metal rod
- Bloquable handle for a continuous spraying
- Anti-theft nozzle
- Tank with large opening for easy filling and emptying
- Ribs at the bottom for an easy opening and closing
- 3 Bar pressure release valve

Features	Ref	EAN Code	Unit	Unit weight (kg)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Laser 2 Viton	100-002-136	3414430080568	6	0,6	6	400 x 320 x 295	3,60	6	8	1200 x 800 x 1920



Laser 2 Foam Viton



8066
100-003-771

The foam increases the contact time to make the product more effective and to show the areas that have been sprayed.

- Translucide and graduated tank. Total capacity : 2L. Usable capacity : 1,5L
- Ergonomic knob for an easy pressurizing
- Pump with metal rod
- Bloquable handle for a continuous spraying
- Anti-theft nozzle
- 110° fan jet nozzle
- Tank with large opening for easy filling and emptying
- Ribs at the bottom for an easy opening and closing
- 3 Bar pressure release valve

Features	Ref	EAN Code	Unit	Unit weight (kg)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Laser 2 Foam Viton	100-003-771	3414430080667	6	0,6	6	410 x 320 x 300	3,60	6	6	1200 x 800 x 1920

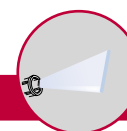


Made
in
France



8034
100-003-750

Exel 7 Viton Construction



For the application of solvent-based oils for construction and building industry.

- Capacity: 5L
- Lance handle with built-in filter
- Polyethylene translucent graduated tank
- Pump and lance handle with Viton seals
- 40cm composited lance
- 1 fan jet nozzle
- 3 Bar pressure release valve
- Large pump handle and lance holder

Features	Ref	EAN Code	Unit	Unit weight (kg)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Exel 7 Construction	100-003-750	3414430080346	12	14,6	12	250x200 x 510	1,15	3	2	800 x 1200 x 1020



COMPRESSION SPRAYERS



8057
100-003-765

8058
100-003-766

Exel 7 Viton / Exel 10 Viton

Application of solvent-based products

- Capacity (Exel 7 / Exel 10) : 5L / 8L
- Non-locking lance handle, according to European standard, with built-in filter, equipped with Viton seals
- Polyethylene translucent graduated tank
- Pump fitted with Viton seals
- 30cm aluminium lance
- Adjustable jet nozzle from straight jet to mist jet
- 3 Bar pressure release valve
- Adjustable straps
- Large pumping handle for a better grip and allowing the lancing of the lance
- Large top hole for easy filling and emptying
- Total dump because no retention area
- Supporting pommel: hold for pressurizing, emptying and filling
- Translucent and graduated tank for easy measurement

Features	Ref	EAN Code	Unit	Unit weight (kg)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Exel 7 Viton	100-003-765	3414430080575	12	15,2	12	800 x 600 x 530	1,26	3	2	800 x 1200 x 1590
Exel 10 Viton	100-003-766	3414430080582	8	13	8	800 x 410 x 720	1,56	3	2	800 x 1200 x 2160



8038
100-003-752

8040
100-003-753

Laser 7 Viton / Laser 12 Viton

For the application of retarders and dilute acids. Compatibility table supplied with the sprayer.

- Capacity (Laser 7 / Laser 12): 5 liters / 8 liters
- Special acid-resistant polypropylene lance handle with Viton seal
- Nozzle holder and adjustable 1.5/1.0 nozzle with Viton seal
- Equipped with a flat fan nozzle
- Pump and 3 Bar pressure release valve with Viton seal
- Polyethylene translucent graduated tank
- Armed, flexible and translucent hose
- Large straps with easy fixing
- Wide opening for easy filling and complete emptying (no liquid traps)
- Handle: for holding the tank while pumping, emptying and filling
- Translucent, graduated tank for precise measurement
- 40cm composite lance

Features	Ref	EAN Code	Unit	Nb units	Product		Palett		
					Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
LASER 7 Viton	100-003-752	3414430080384	1	1	200 x 200 x 520	1,8	3	24	1200 x 800 x 1740
LASER 12 Viton	100-003-753	3414430080407	1	1	200 x 200 x 690	2,4	2	24	1200 x 800 x 1550



JOINTS
VITON
SEALS

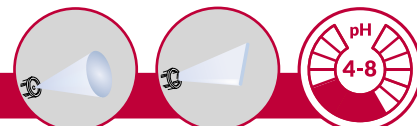
PREMIUM VITON SEALS RANGE



101 180
100-002-532

101 181
100-002-533

Expert 8 Viton / Expert 14 Viton



For the application of concrete form oils, impermeable façade coatings, chemicals for treating wood and roof timbers, solvent strippers, rodenticides, insecticides, detarring solvents, neutral based moss prevention products.

- 40 cm brass lance tube
- Polypropylene lance handle with Viton seal
- Adjustable polypropylene nozzle holder with Viton seal with red acetal nozzle (code 282476)
- 3 Bar brass pressure release valve with Viton seal
- Polyethylene translucent graduated tank
- High-resistance hose
- Adjustable and large straps
- Integral off-centre pump (no need to remove it for filling and emptying)
- Ergonomically designed pumping grip
- Wide top opening for easy filling and emptying
- Total emptying (no liquid traps)
- Carry handle for holding the sprayer during use
- Doser cap for precise, easy measurement
- Lance clip

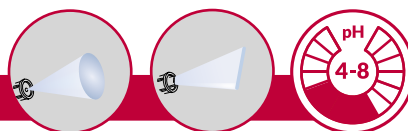


Features	Ref	EAN Code	Unit	Product			Palett		
				Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
EXPERT 8 Viton	100-002-532	3414431011806	1	1	250 x 200 x 500	2,2	4	19	1200 x 800 x 2150
EXPERT 14 Viton	100-002-533	3414431011813	1	1	250 x 200 x 690	2,9	3	19	1200 x 800 x 2250



101 489
100-002-559

i9 CMP



For the application of concrete form oils, impermeable façade coatings, chemicals for treating wood and roof timbers, solvent strippers, detarring solvents, etc..

- Capacity : 6 l
- Supplied with additional nozzles: brass fan jet nozzle with 110° angle and stainless steel cone jet nozzle 15/10°
- Brass pressure release valve, with Viton seals calibrated at 6 Bar
- Carry straps, pressure gauge
- Pressed steel tank with a single weld at the base of the tank, total emptying without liquid traps, black cataphoric epoxy coating
- 40 cm brass lance tube
- Reinforced hose. Connector at the top of the tank
- Packaging: individual box
- Brass lance tube
- Brass lance handle with Viton seals
- Fixed off-centred pump integral with the tank (no longer necessary to remove it in order to fill and empty the tank)
- Wide filling orifice located on top of the tank with elliptical shaped stainless steel cover
- Multi-use side handle also acting as a protective hoop for accessories located on top of the tank
- Compatible with compressor for a quick pressurization



Features	Ref	EAN Code	Unit	Product			Palett		
				Nb unit	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Laser i9 CMP	100-002-559	3414431014890	1	1	220 x 220 x 490	5,1	3	15	1200 x 800 x 1560

Expert vacuum - Liquid suction

For sucking up liquids: clean water, dirty water, oil, hydrocarbon-based solvents, etc

- Capacity: 6 liters
- 1 m transparent polyethylene hose
- 1.5 m high performance hose
- 1/4 turn valve with 3/8» BSP connector



102 129
100-002-597



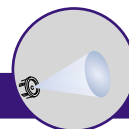
Features	Ref	EAN Code	Unit	Nb units	Product		Palett		
					Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
EXPERT VACUUM	100-002-597	3414431021294	1	1	240 x 200 x 510	2,1	4	19	1200 x 800 x 1950

GAMME JOINTS EPDM



8059
100-002-137

Laser 2 EPDM



For the application of neutral and alkaline cleaners, disinfectants, car shampoos, fungicides and animal repellents.

- Translucide and graduated tank. Total capacity : 2L. Usable capacity : 1,5L
- Ergonomic knob for an easy pressurizing
- Pump with metal rod
- Bloquable handle for a continuous spraying
- Anti-theft nozzle
- Tank with large opening for easy filling and emptying
- Ribs at the bottom for an easy opening and closing
- 3 Bar pressure release valve

Features	Ref	EAN Code	Unit	Unit weight (kg)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Laser 2 EPDM	100-002-137	3414430080599	6	1,5	6	400 x 320 x 295	9	6	8	1200 x 800 x 1920



8065
100-003-770

Laser 2 Foam EPDM



For neutral and alkaline cleaners and disinfectants. The foam increases the contact time to make the product more effective and to show the areas that have been sprayed.

- Translucide and graduated tank. Total capacity : 2L. Usable capacity : 1,5L
- Ergonomic knob for an easy pressurizing
- Pump with metal rod
- Bloquable handle for a continuous spraying
- Anti-theft nozzle
- 110° fan jet nozzle
- Tank with large opening for easy filling and emptying
- Ribs at the bottom for an easy opening and closing
- 3 Bar pressure release valve

Features	Ref	EAN Code	Unit	Unit weight (kg)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Laser 2 Foam EPDM	100-003-770	3414430080650	6	0,6	6	410 x 320 x 300	3,6	6	6	1200 x 800 x 1920

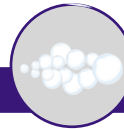


COMPRESSION SPRAYERS



8053
100-003-762

Laser 12 Foam EPDM



For applying alkaline foam and detergent products, etc..
The foam increases the contact time to make the product more effective and to show the areas that have been sprayed. The fan jet nozzle is used to spray larger areas.

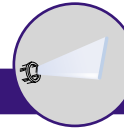
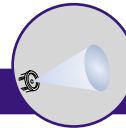
- Capacity: 8 liters
- Heavy duty lance handle
- Polypropylene lance
- Stainless steel fan jet nozzle with EPDM seal
- Pump and 3 Bar pressure release valve with EPDM seal

Features	Ref	EAN Code	Unit	Product			Palett		
				Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Laser 12 Foam EPDM seals	100-003-762	3414431080536	1	1	200 x 200 x 690	2,5	2	24	1200 x 800 x 1550



101 173
100-002-528

Expert 8 EPDM



For the application of cleaning products, car shampoos, disinfectants, alkalis, fungicides, weed killers, animal repellent

- Capacity: 6 liters
- Polypropylene lance handle with EPDM seals
- 40 cm brass lance tube
- Adjustable polypropylene nozzle holder with EPDM seals and NOZAL blue sintered alumina, fan jet nozzle
- Supplied with additional nozzles:
 - Orange fan jet nozzle (282 793)
 - Stainless steel cone jet (251 183) 1.2 mm
- 3 Bar pressure release valve with EPDM seal

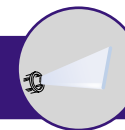
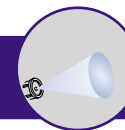
Features	Ref	EAN Code	Unit	Product			Palett		
				Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
EXPERT 8 EPDM	100-002-528	3414431011738	1	1	240 x 200 x 510	2,2	4	19	1200 x 800 x 2080



101 177
100-002-530

101 178
100-002-531

Expert 8 EPDM & Expert 14 EPDM Steel lance



For the application of bleach, paint strippers, disinfectants, etc..

- Capacity: 6L / 8L
- Polypropylene lance handle with EPDM seals
- 60 cm stainless steel lance tube
- Adjustable polypropylene nozzle holder with EPDM seals and NOZAL blue sintered alumina, fan jet nozzle
- Supplied with additional nozzle: stainless steel cone jet (251 183) and 10/10° nozzle
- 3 Bar pressure release valve with EPDM seal
- PVC reinforced hose (Hytrel interior)

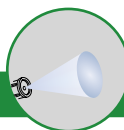
Features	Ref	EAN Code	Unit	Product			Palett		
				Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
EXPERT 8 EPDM steel lance	100-002-530	3414431011776	1	1	250 x 200 x 590	2,42	3	19	1200 x 800 x 1770
EXPERT 14 EPDM steel lance	100-002-531	3414431011783	1	1	250 x 200 x 690	2,91	3	19	1200 x 800 x 2070

JOINTS
NITRILE
SEALS

NITRILE SEALS RANGE

7007
100-003-612Made
in
France

Exel 7 Nitrile



For all neutral solutions

- Capacity: 5L
- Non-locking lance handle, according to European standard, with built-in filter, equipped with Viton seals
- Polyethylene translucent graduated tank
- 30 cm polypropylene lance
- Adjustable jet nozzle from straight jet to mist jet
- 3 Bar pressure release valve
- Adjustable straps
- Large pumping handle for a better grip and allowing the lancing of the lance
- Pump with nitrile «CUP» seal
- Large top hole for easy filling and emptying
- Total dump because no retention area
- Supporting pommel: hold for pressurizing, emptying and filling
- Translucent and graduated tank for easy measurement
- Product sold in a neutral cardboard box

Features	Ref	EAN Code	Unit	Unit weight (kg)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Exel 7 Nitrile	100-003-612	3283120070079	1	1,4	1	250 x 200 x 510	1,4	2	24	800 x 1200 x 1020

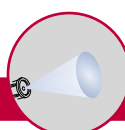


CONTINUOUS PUMP SPRAYERS

Made
in
FranceJOINTS
VITON
SEALS

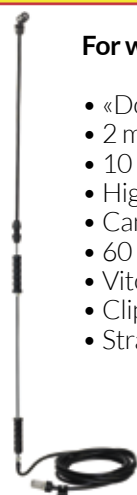
BERTHOUD

Seringa 10m



For working at heights until 7m

- «Double action» syringe sprayer operating in two directions
- 2 multi-purpose multi-directional nozzles (swirl and flat fan)
- 10 m hose
- High operating pressure (8-10 Bars depending on the pumping rate)
- Can be connected to a sprayer hose to use the tank as a reservoir
- 60 cm lance extension to treat areas that are difficult to reach
- Viton® seal to withstand hydrocarbons and solvents
- Clip to prevent the hose coming out of the container
- Strainer to filter liquids to avoid clogging the nozzle

101 025
100-002-514

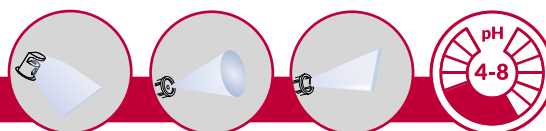
Features	Ref	EAN Code	Unit	Weight (kg)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Seringa	100-002-514	3176241010256	1	1,23	1	165 x 60 x 610	1,23	9	16	1200 x 800 x 1950



CONTINUOUS PUMP SPRAYERS

BERTHOUD

Cosmos 18 Pro Export



102 216
100-002-606

- 125 mm diameter filler opening
- Sloping tank base
- Carry handle
- Lance holder for easy storage
- More comfortable to use and the sprayer fits well on the back
- Translucent, graded 18 litre tank
- Manual pressure pump 6 Bars
- Reversible left / right pump lever
- High performance hand pump with chemical resistant seals
- User friendly, heavy duty handle for precise spraying
- 60 cm composite lance
- Universal nozzle holder
- Equipped with a 1 Bar pressure regulator, ideal for weed control treatments and for constant dosage
- Repair kit integrated :



Brown mirror nozzle



Stainless Steel Bead

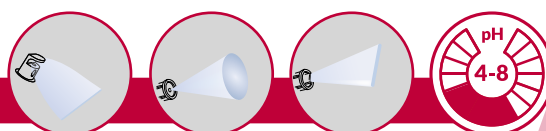


Spare seals



BERTHOUD

Vermorel 2000 PRO CONFORT



102 022
100-002-588

For large gardens, orchards, trees and shrubs etc...

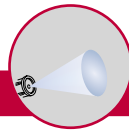
- Reservoir capacity : 16 L with visible liquid level
- Ergonomic back frame, which perfectly fits the shape of your back
- Reversible left/right pump lever, adjustable in all positions (for width and height – by notches of 10°)
- High-performance diaphragm pump with curved piston
- Pressure relief valve, adjustable from 0 to 5 Bar
- Professional 'PROFILE'-type lance handle
- Composite telescopic lance, 60 cm / 100 cm, with high mechanical and chemical resistance
- Multi-purpose adjustable nozzle holder
- Delivered with the following equipment : 1 multipurpose, adjustable nozzle holder equipped with original swirl nozzle with 15/10 plate, a blue flat fan nozzle and a blue anvil nozzle

Features	Ref	EAN Code	Unit	Weight (kg)	Product			Palett		
					Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Cosmos 18 Pro Export	100-002-606	3176241022167	1	3,70	1	400 x 170 x 505	3,70	4	14	1200 x 800 x 2170
Vermorel 2000 Pro Confort	100-002-588	3176241020224	1	5,97	1	390 x 285 x 615	6,54	3	8	1200 x 800 x 1995



BERTHOUD

VERMOREL 3000 electric



Charge indicator



Pressure selector

On/off switch



Available in trolley version with 5m hose and large diameter wheels for a transportation ease

102 141
100-002-601

102 139
100-002-599

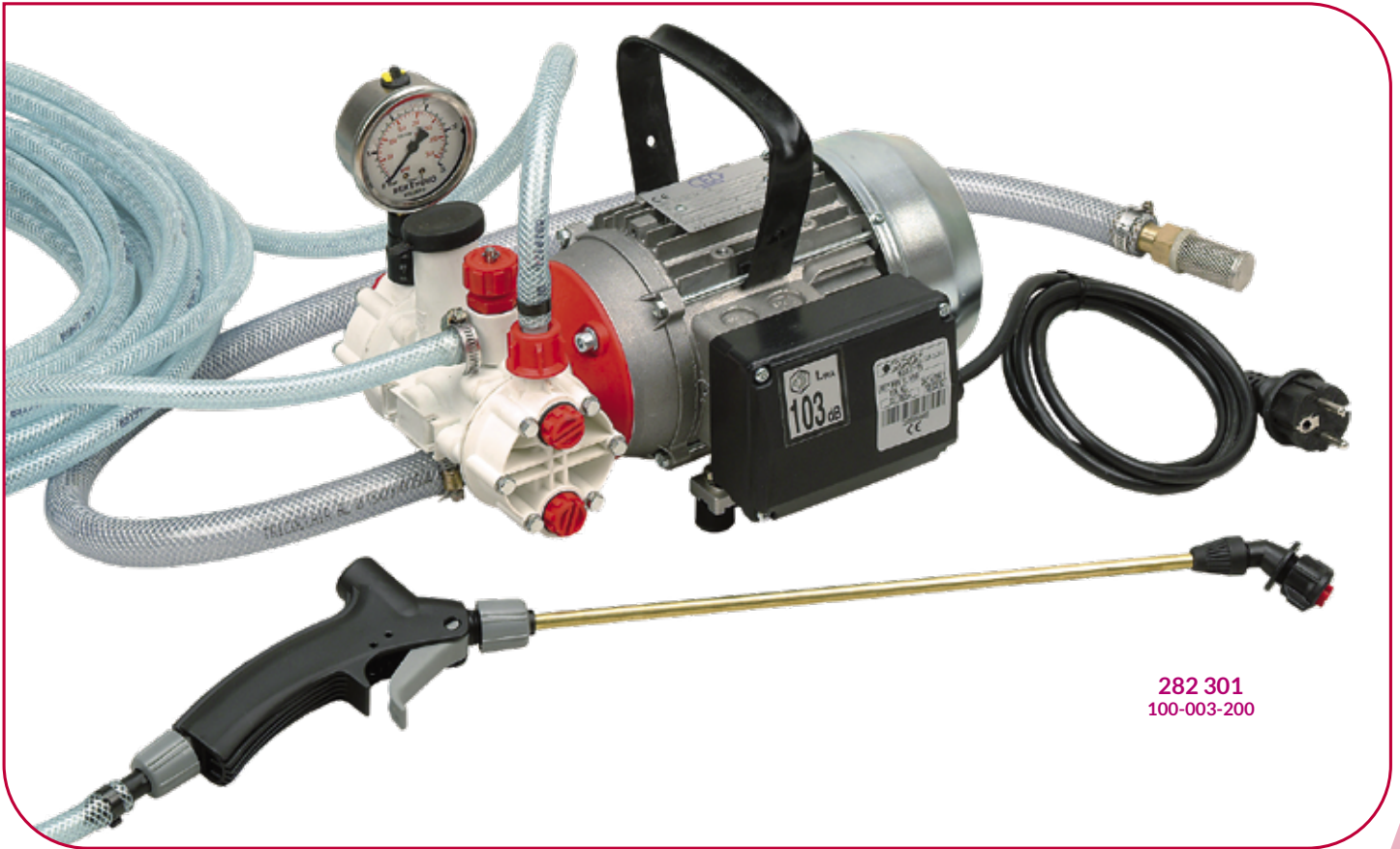
Insecticides/fungicides, treatment of frameworks, cleaning products, disinfectants, water-repellents, formwork oils, weed killing

- Electric back sprayer, capacity 18L, provided with a 12-Volt **Lithium-Ion** battery
- Battery life from 3 to 6 hours depending on the pressure selected, charging in 2,5 hours, no deep discharge, 4 position charge indicator
- Equipped with a safety strap for optimum comfort, specially suited for intensive use
- Composite telescopic lance 0.50 m to 1 m and fibreglass lance 0.60m
- Electronic adjustment of the pressure: 3 positions (1, 1.5 and 3 Bar)
- Comes with a full set of nozzles:
 - nozzle with adjustable 15/10e turbulence
 - blue fan jet nozzle
 - brown mirror jet nozzle
- Provided with Viton seals, for excellent chemical and mechanical resistance over time
- Exists in trolley version, device mounted on wide wheels and 5m hose (Ref. 100-002-601)

Features	Ref	EAN Code	Unit	Product			Palett		
				Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
V3000 electric BERTHOUD (UK 3 pin plug)	100-002-599	3176241021399	1	1	390 x 285 x 615	6,9	3	8	1200 x 800 x 1995
V3000 electric chariot BERTHOUD (UE 2 pin plug)	100-002-601	3176241021412	1	1	390 x 285 x 615	10	3	8	1200 x 800 x 1995



ELECTRIC - PUMP



282 301
100-003-200

For pumping industrial liquids (moss prevention products, roof timber chemicals, concrete form oils, etc)

- 6 Bar PANORAMA motorised pump (230 V electric motor mounted on silent blocks)
- PROFILE handle with Viton seals and 20 m reinforced PVC hose
- Brass lance tube
- Red and blue fan jet nozzles
- 2.5 m suction hose with 15 mm diameter filter
- 2.5 m pressure hose (diameter 12 mm)
- Stainless steel glycerine-damped pressure gauge



OPTIONAL
High pressure
foam nozzle

48 590
400-004-067

				Product				Palett		
Features	Ref	EAN Code	Unit	Unit weight (kg)	Nb units	Dimensions L x P x H (mm)	Weight (kg)	Nb layer	Nb boxes / layer	Dimensions L x P x H (mm)
Electric-pump 220 V	100-003-200	3414432823019	1	14,5	1	600 x 310 x 320	14,5	2	5	1200 x 800 x 790

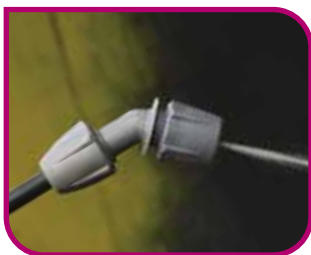
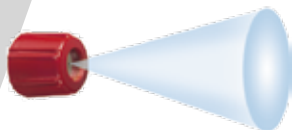
NOZZLES

Turbulence chamber and universal nozzles

Nozzles available as spare parts

Adjustable nozzles with stainless steel tips

A range of 7 stainless steel tips with different diameters to provide users with a range of flow rates. Each nozzle produces an adjustable cone jet so that the jet can be adjusted to the area to be sprayed and the distance from the target.



		Flow rate (liters / minute)						
Tip diameter		8/10°	10/10°	12/10°	15/10°	18/10°	20/10°	25/10°
Colour of tip holder nut								
Pressure	1 Bar	0,185	0,235	0,275	0,395	0,470	0,515	0,680
	2 Bar	0,245	0,300	0,385	0,535	0,660	0,780	0,980
	3 Bar	0,300	0,360	0,470	0,660	0,795	0,870	0,155
	4 Bar	0,340	0,425	0,545	0,750	0,905	1,000	1,435
Nitrile tip code		282 369 200-001-400	282 370 200-001-401	282 371 200-001-402	282 372 100-003-208	282 373 200-001-403	282 374 100-003-209	282 375 200-001-404
Viton tip code		282 759 200-001-403		282 807 100-003-270	282 723 100-001-427	282 724 100-003-239		282 786 100-003-259
Viton nozzle code				282 434 200-001-409	282 532 200-001-428			
EPDM nozzle code				212 435 200-001-352				

Adjustable nozzle with Saphirex tip

Micronisor nozzles made of sintered alumina, an exceptional hard material (nearly as hard as diamond) for long-term stability of the nozzle flow rate, distribution and droplet size.

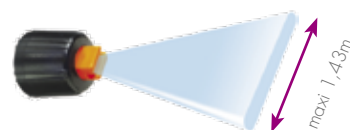
	Pressure	Droplet size (microns)
Saphirex 6/10 tip	2 Bar	80/90
	3 Bar	60/65
Diffuser 10/10	2 Bar	130/135
	3 Bar	115/120
Diffuser 15/10	2 Bar	170/180
	3 Bar	140/160

		Flow rate (liters / minute)		
Diameter		6/10°	10/10°	15/10°
Pressure	2 Bar	0,140	0,225	0,560
	3 Bar	0,160	0,270	0,670
	4 Bar	0,180	0,310	0,760
	5 Bar	0,200	0,350	0,840
	6 Bar	0,220	0,385	0,900
Nozzle code		251 586 200-001-367		282 715 200-001-465

Fan jet nozzles

Fan jet nozzles for medium width spray

These nozzles are made from a variety of materials: polypropylene, acetal or sintered alumina in different colours and with different angles to show their particular flow rates in l/min.



		Flow rate (liters / minute)									
Material of nozzle		Acetal					Brass	Sintered alumina		Polypropylene	
Jet angle		80°	80°	110°	80°	80°	110°	110°	110°	110°	110°
Colour of nozzle											
Pressure	1 Bar	0,560	0,840	1,120	0,400	0,360		0,700	0,910	1,030	
	1,5 Bar						1,200	0,880	1,100	1,150	
	2 Bar	0,650	0,970	1,290	0,560	0,500	1,360	0,970	1,290	1,430	
	2,5 Bar	0,720	1,080	1,440	0,620	0,560	1,515	1,080	1,440	1,590	
	3 Bar	0,790	1,180	1,580	0,680	0,600	1,645	1,180	1,580	1,750	
Nitrile tip code		282 461 200-001-415	282 458 200-000-000	282 462 200-001-416	282 488 100-003-215	282 489 100-003-216					
Viton tip code		282 682 200-001-453	282 533 200-001-429	282 476 100-003-211	282 731 100-003-244	283 340 100-003-320		282 631 100-003-232	282 845 100-003-272	282 635 200-001-444	
EPDM tip code										282 636 200-001-445	
Viton nozzle code			282 474 200-001-420	282 686 200-001-455			283 106 200-001-541				
EPDM nozzle code								282 708 200-001-462			
Width sprayed at 0.5 m		84 cm	84 cm	143 cm	84 cm	84 cm		143 cm	143 cm	143 cm	
Width sprayed at 1 m		168 cm	168 cm	286 cm	168 cm	168 cm		286 cm	286 cm	286 cm	

NOZZLES

Deflector nozzle

With mirror stream for large-width application

Nozzles made of different materials: polypropylene, acetal resin, sintered alumina with different colours and angles to symbolise their specific flow rates in l/min.

Material of nozzle		Pressure			
		Acetal			
Jet angle		105°	110°	110°	135°
Colour of nozzle					
Pressure	1 Bar	0,460	1,150	1,390	2,310
	1,5 Bar	0,570	1,410	1,700	2,830
	2 Bar	0,650	1,630	1,960	3,270
	2,5 Bar	0,730	1,830	2,190	3,650
Nitrile tip code		282 460 200-001-414	282 457 200-001-412	282 490 100-003-217	282 491 100-003-218
Viton tip code			282 683 200-001-454	282 849 100-003-276	282 850 200-001-479
Nitrile nozzle code			282 366 200-001-397		
Width sprayed at 0.5 m		130 cm	143 cm	143 cm	241 cm
Width sprayed at 1 m		260 cm	286 cm	286 cm	482 cm



TRIGGERS

Profile trigger (Viton / Viton for acids / EPDM)

- + Comfortable to use (the angle between wrist and lance gives a natural wrist position)
- + Reliable (the spray is controlled by a needle valve at right angles to the flow of liquid)
- + Very easy to maintain (the spring and piston are easy to dismantle)



282 136*
100-003-191

282 874*
100-003-282

282 873*
100-003-281

Shell handle

- + Comfortable to use
- + Very easy to maintain
- + Integrated filter



282 867*
100-001-431



Without shell handle (Nitrile)



282 887*
200-000-003

Brass trigger

- + Brass handle with Viton seals for hydrocarbon based solvents.
- + Used with special brass lance tube.
ref. 400-003-399*



282 733*
100-003-245



*Spare parts references available under the commercial conditions of spare parts

PRESSURE REGULATOR

No-drip 1 Bar pressure regulator

BERTHOUD

- 1 Bar constant pressure (preventing underspraying and overspraying)
- Can save up to 50% on chemicals
- Used with pre-pressurised sprayers, will extend acreage covered
- Used with pressure sprayers, will reduce the number of pump strokes required
- Can be used with all commercially available professional nozzle tips



283 983
100-003-404



LANCE TUBES

Telescopic lance tube

- 0.5/1 m lance tube
- Adjustable nozzle
- Viton seals



280 362
100-003-173

Brass lance tube

- 0,4 m lance tube
- Viton seals
- Compatible with Brass handle
ref. 100-003-245*



382 283*
400-003-399

FULL LANCES

- To suit profile trigger
- Tube, nozzle holder and nozzle included



	Ref	Tube	Handle	Compatibility	Lenght
Full lances	100-003-313	composite	Profile « spécial for acids »	Laser 7/12	0,4m
Telescopic full lances	100-003-183	composite	Profile Viton	Laser 7/12 Expert 8/14Viton	1,3m - 2,4m
	100-003-231				1,3m - 3,6m

*Spare parts references available under the commercial conditions of spare parts

LANCE EXTENSIONS

Composite lance extension

- Length: 0,6 m



282 433*
200-001-408

Brass lance extension

- Length: 0,6 m



211 250*
100-003-000

WEED KILLING

4 jet weed killing spray Bar

- + Converts the single jet sprayer into a multi-jet sprayer
- + Essential for spraying large areas rapidly.
Recommended for use with constant pressure backpack sprayers.



215 071
100-003-014

Spray shield

- + Essential for localised weed killing or spraying easily and safely (fan jet nozzle)



455 004
100-003-535



*Spare parts references available under the commercial conditions of spare parts

MAINTENANCE

Grease syringue

- Indispensable for maintaining the seals in your sprayer
- Easy to use
- Prolong the life of your sprayer by using the correct grease



219 374
100-003-021



MAINTENANCE KITS

+ All sprayer wear parts are available in repair kits



Sprayer	Reference
Laser 2	284 282* / 100-001-463
Laser 2 EPDM	284 283* / 100-001-464
Laser 7/12	283 144* / 100-003-304
Expert 8/14 Viton	282 572* / 100-003-226
Expert 8/14 EPDM	282 571* / 100-003-225
Exel range	282 869* / 100-001-432

Sprayer	Reference
i9 CMP	252 213* / 100-003-084
Cosmos 18 Pro Export	283 475* / 100-003-340
Seringa 10m	283 117* / 200-000-008

*Spare parts references available under the commercial conditions of spare parts

NOTES

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LASER

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