Indivisible package Suggested retail package - Unit price

DEFOAMER

NEW

ITEM: ANTI FOAM
Page H22

HAND HELD REFRACTOMETERS

NEW

ITEM: H3631
Page H7,23

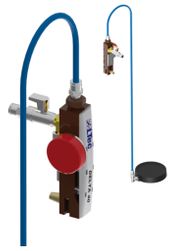
AIR BLADES AIR BLADE MINI

NEW

ITEM: AIR BLADE MINI
Page H27

EMULSION OXYGENATORS

NEW



ITEM: OXI COOLER
Page H28

BASE STAND INSTALLATION KIT FOR MIST COLLECTORS

NEW

ITEM: H5466
Page H36

VOLUMETRIC MIXER

NEW

ITEM: H3618
Page H24

VENTURI MIXER

NEW

ITEM: H3619
Page H24

OIL MIST COLLECTORS FOR MIST AND OIL SMOKE

NEW

ITEM: H5405
Page H34

OIL MIST COLLECTORS FOR NEAT OIL

NEW

ITEM: H5430
Page H36

Indivisible package Suggested retail package - Unit price

METALWORKING LUBRICANTS

LTEC

H0
2 - 9
Metalworking fluids

LTEC

H1
10 - 17
Cutting oils
and accessories

LTEC

H2
18 - 20
Slide way
and gear oils

LTEC

H3
21 - 28
Fluid for maintenance,
mixers and aircoolers

LTEC

H4
28 - 33
Skimmers
and tramp
oil separators

LTEC

H5
34 - 36
Air filters
for machine tool

LTEC
LOC-LINE
QPM

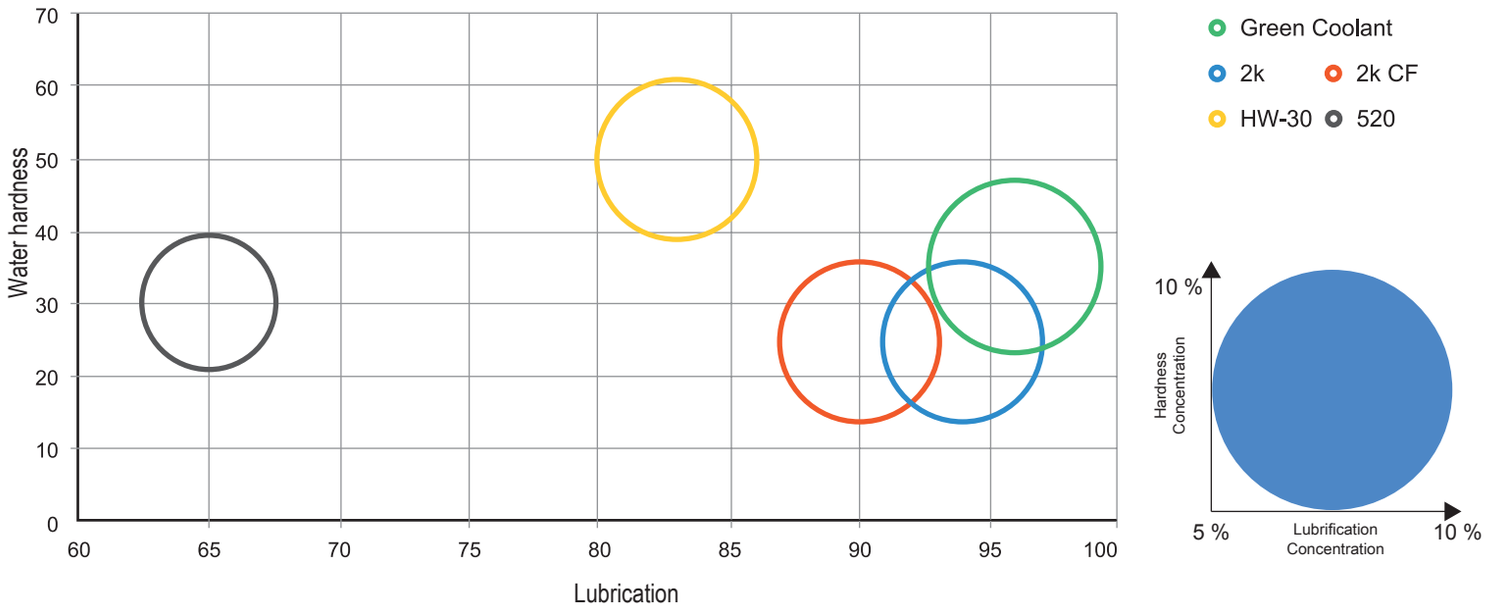
H6
37 - 39
Accessories

L-TEC SYNTHETIC NEAT CUTTING OIL WITH RENEWABLE PLANT BASED

	UNITEC GREEN COOLANT	UNITEC 2K	UNITEC 2K CF	UNITEC HW 30	UNITEC 520	ECOSYNTH 1-6	ECOSYNTH 2-10	ECOSYNTH 3-22	ECOSYNTH 4-42	ECOSYNTH 6-12 DD
	H0210	**H0010**	**H0015**	**H0040**	**H0125**	**H1160**	**H1162**	**H1164**	**H1166**	**H1170**
Page. H	5	6	7	8	9	11	11	12	13	14
CAST IRON (K)	●	○	●	●●●	●●	○	○	○	○	○
STAINLESS STEEL (M)	●●●	●●●	●●	●●	●	○	○	●●	●●●	●●●
CARBON STEEL (P <850 n/mm²)	●●●	●●●	●●●	●	●	●●	●●●	●●	●●	●
ACCIAI LEGATI (P <1200 N/mm²)	●●●	●●	●●	●●	●	●●	●●	●●●	●●●	●●●
Aluminum	●●●	●●●	●●●	●	●	●	●●	●●●	●●●	●●
MAGNESIUM (mg)	○	○	○	●●	●	●	●●	●●●	●●	●
COPPER ALLOY (Cu)	●	●	●●●	○	●	○	●	●●	●●●	●●
TITANIUM (ti)	●●●	●●	●●	○	○	●	●●	●●●	●●●	●●
HSS	○	○	○	○	○	●●●	●●●	○	○	○
MDI	○	○	○	○	○	●●●	●●●	○	○	○
WATER (F°)	35	25	25	50	30	/	/	/	/	/
Chip	●●●	●●●	●●●	●●	●●	●●	●●●	●●●	○	●●
Grinding	●●●	●●	●●	●●	●	●●	●●	●●●	○	●●
PUNCHING STAMPING	●●	●	○	○	○	○	●●	●●●	●●	●●
GEAR HOBBING	●	○	○	○	○	○	○	●●	●●	●●

● RECOMMENDED FOR... ○ NOT USABLE FOR... / DATA AVAILABLE

This graph expresses the lubricating capacity and hardness, expressed in French degress, to which our products can work in the best conditions based on the concentration of oil in emulsion. As the maximum lubrication value (100) GREEN COOLANT was taken, produced on an ester basis, at a concentration of 10% v / v.



APPLICATIONS LEGEND

≤15°F SOFT — Soft water

≤30°F MEDIUM HARD — Medium water ≤30°f

~45°F HARD — Hard water ~45°f

≤30 BAR — MAX HP 230

≤40 BAR — MAX HP 250

≤70 BAR — MAX HP 270

Punching stamping

Gear teeth broaching

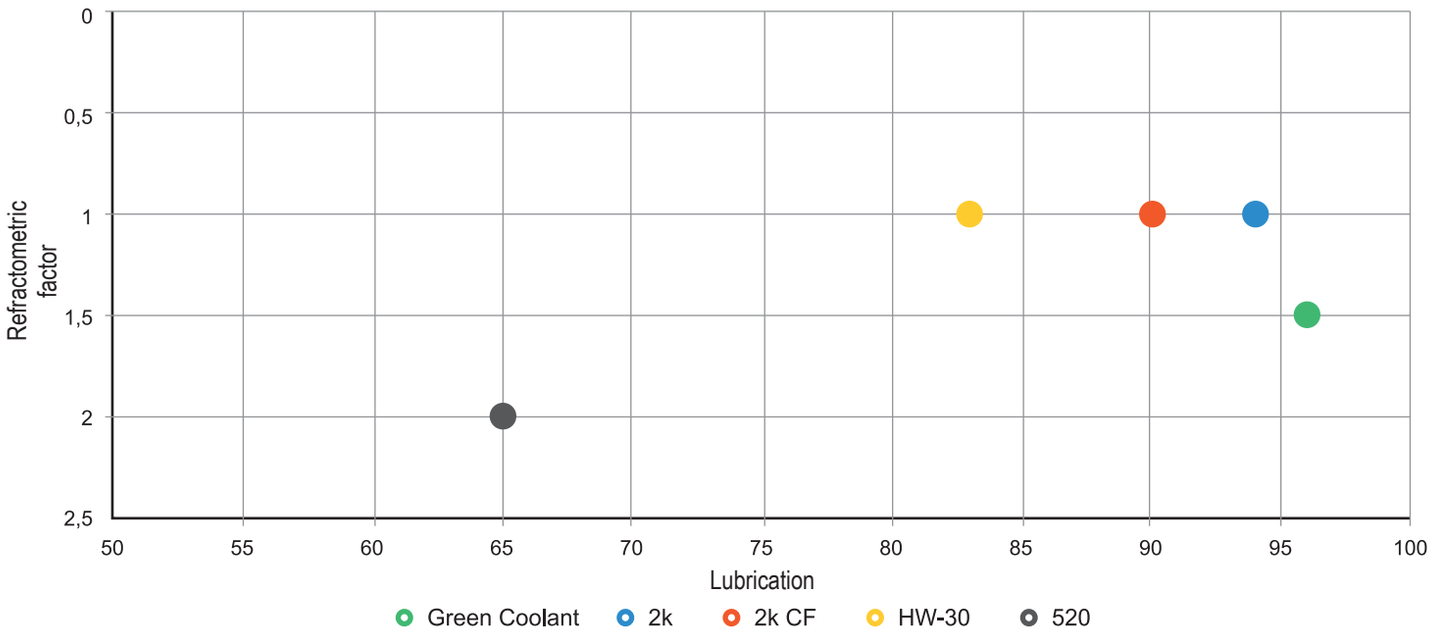
Grinding

Chip

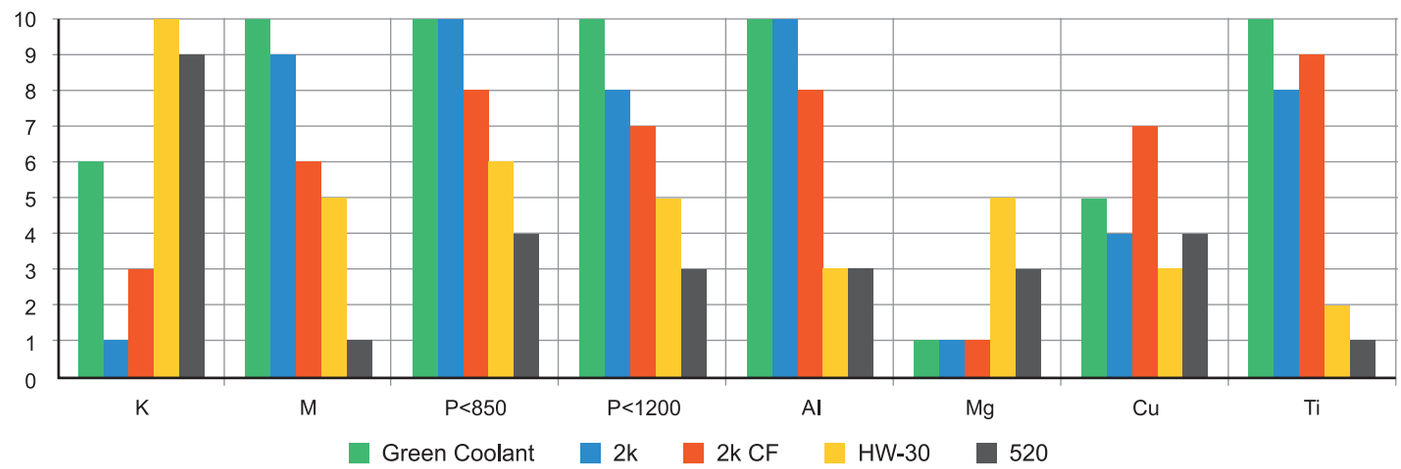
Indivisible package — Suggested retail package - Unit price

SELECTION OF LUBRICANT-COOLING OILS

This graph expresses the lubrication coefficient with respect to the refractometric factor of the products.



This graph represents the choice of the most suitable product for the specific type of processing.



CHEMICAL DIVISION

For over twenty years the CHIMICAL DIVISION of LINK group has been involved in formulating, analyzing and researching innovative chemicals and lubricants for its customers.

In this continuous research, CHEMICAL DIVISION has always focused on improving the characteristics of biocompatibility of the products, to safeguard the health of the operator and to formulate products that are increasingly performing so as to increase lubrication and therefore cutting performance.

Our formulas meet the requirements of modern industry and comply with the constantly evolving European health regulations.

We have carefully selected the components of each single formulation in order to obtain a final result suitable to your requests.

The strict quality controls carried out in our laboratories allow us to ensure constant product stability over time.

Our formulations studied for your work allow us to offer you fluids with a very low environmental impact, but with superior stability and lubrication.

Our machines tool lubricants have been tested on not only mechanical parts, but also to be compatible with our cooling lubricants.

In order to offer a service that is closer to your needs and to respond to the imperative demands on workplace health, productivity and ecology we offer laboratory analysis service to which each of our lubricant-coolant customers can access.

Our CHEMICAL DIVISION is also available to arrange training courses for the maintenance of lubricating and cooling emulsions.

FORMATS

Can

Drum

IBC

Indivisible package Suggested retail package - Unit price

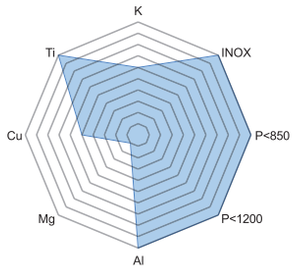
~45°F HARD ≤40 BAR

SAFETY DATA SHEETS ON-LINE

ITEM: UNITEC GREEN COOLANT

UNITEC GREEN COOLANT is a emulsifiable coolant with a medium content of renewable origin and EP additives.It does not contain SVHC substances, chlorine, boro, formaldehyde. The emulsifiable GREEN COOLANT oil is an innovative and newly designed product designed to have the maximum biocompatibilty with the operators. GREEN COOLANT has excellent lubricating capacity thanks to the oil on an ester base, contained within it. This can guarnatee excellent lubricating qualities compared to traditional emulsifiable products. This oil also has excellent cleaning properties compared to old generation oils.

Advantages:
- Excellent compatibility with water from 10 to 45 ° F
- Excellent health profile, compatibility with operator
- Excellent lubrification even in the most demanding operations
- Excellent cleaning of work area
- Long duration of the emulsions
- Foaming contained in the range of water hardness recommended



Tech. Code	GR70 Euro	Packaging	Quantity L	Appearance concentrated	Appearance emulsion	Refractometric factor	Density DIN 52757 Kg/lt	pH (5%) DIN 51369	Storage temperature °C
H021025	238,00	Can	25	Light yellow	Translucent	1,5	0,980	9,5	from 5 to 40
H0210200	1577,00	Drum	200						

Product available in index H

APPLICATIONS	K	INOX	P <850	P <1200	Al	Mg	Cu	Ti	Recommended concentration
Grinding	●	●●	●●	●●	●●	○	●	●	5 - 6 %
Turning,milling	●	●●●	●●●	●●●	●●●	○	●	●●●	5 - 8 %
Drilling	●●	●●●	●●●	●●●	●●●	○	●●	●●●	5 - 10 %
Boring,threading	●	●●●	●●●	●●●	●●	○	●●	●●●	5 - 10 %
Broaching	○	●●●	●●●	●●	●●●	○	●	●●	10 - 12 %
Cutting, moulding	○	●●	●●	●	●●●	○	●	●●	10 - 15 %

○ not suited ● suited ●● recommended ●●● excellent

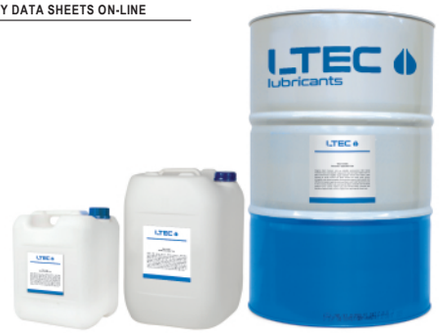
The chemical-physical characteristics shown in the table do not constitute in any case an unsubscription for the manufacturer and producer.

Note: before inserting UNITEC GREEN COOLANT in the tank it is necessary to carry out a cleaning process of the machine using CLEAN BATT and CLEAN SUMP following the methodology approved by the chemical Workshop of LINK grupp S.p.A.

≤30°F MEDIUM HARD ≤40 BAR

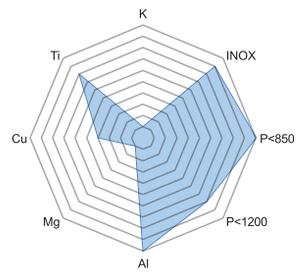
ITEM: UNITEC 2K

SAFETY DATA SHEETS ON-LINE



UNITEC 2K is a emulsifiable coolant with an high content of mineral oil and EP addictives, it does not contain SVHC: substances or boro or bactercides. Formulated for the processing of Iron and non ferrous alloys.UNITEC 2k emulsfiable oil has been stuided to give maximum performance with medium-soft water and has an exceptional detergent and lubrication capacity to ensure both the clenaing of the machine and the protection against oxidation of metal parts.

Advantages:
- Excellent compatibility with water hardness from 0 to 30 °F
- Great cleaning power of the machine tool and of workpieces
- Excellent health profile and excellent compatibilty with operators
- Excellent lubrication even in the most demanding operations
- Formidable antioxidant and bio-dynamic
- Excellent cleaning of work areas
- Long duration of the emulsions
- Foaming contained in the range of water hardness recommended



Tech. Code	GR70 Euro	Package	Quantity L	Appearance concentrated	Appearance emulsion	Refractometric factor	Density DIN 52757 Kg/m³	pH (5%) DIN 51369	Storage temperature C°
H00105	49,00	Can	5	Emerald	Milky	1,0	0,960	9,25	from 5° to 40°
H001025	210,00		25						
H0010200	1358,00	Drum	200						

APPLICATIONS	K	INOX	P <850	P <1200	Al	Mg	Cu	Ti	Recommended concentration
Grinding	○	●●●	●●●	●●●	●●●	○	●●	●●●	4 - 5 %
Turning,milling	○	●●●	●●●	●●	●●●	○	●●	●●●	5 - 8 %
Drilling	○	●●●	●●●	●●	●●●	○	●	●●	5 - 10 %
Boring,threading	○	●●	●●●	●●	●●	○	●	●●	5 - 10 %
Broaching	○	●●	●●	●	●●	○	○	●	8 - 12 %
Cutting, moulding	○	●●	●	○	●	○	○	●	10 - 15 %

○ not suited ● suited ●● recommended ●●● excellent

The chemical-physical characteristics shown in the table do not constitute in any case an unsubscription for the manufacturer and producer.

Note: before inserting UNITEC 2K in the tank it is necessary to carry out a cleaning process of the machine using CLEAN BATT and CLEAN SUMP following the methodology approved by the chemical Workshop of LINK grupp S.p.A.

Indivisible package Suggested retail package - Unit price

BORON-CHLORINE AND FORMALDEHYDE RELEASER-FREE MINERAL FLUIDS

Unitec

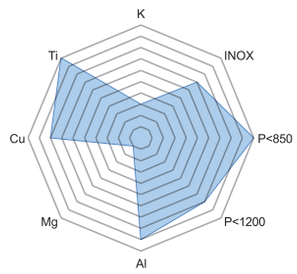
≤30°F MEDIUM HARD | ≤40 BAR

ITEM: UNITEC 2K CF

SAFETY DATA SHEETS ON-LINE

UNITEC 2K CF is an emulsifiable coolant with an high content of mineral oil. It does not contain chlorine substances SVHC or boro or bactercides, suitable for machining ferrous alloys, non-ferrous and titanium alloys.UNITEC 2K CF is an emulsifiable oil created for the needs in the aerospace Industry for this reason there is no paraffin ofr halide in this oil. The UNITEC 2K CF emulsifiable oil has an excellent lubricating and detergent capacity, however managing to maintain the excellent resistance qualities of micro-organisms typical of LTEC products.

Advantages:
- Excellent compactibility with water hardness from 0 to 30 F
- It does not contain chloroparaffin
- Great cleaning power of the machine tool and of workpieces
- Excellent health profile and excellent compatibilty with operators
- Excellent lubrication even in the most demanding operations
- Formidable antioxidant and bio-dynamic
- Excellent cleaning of work areas
- Long duration of the emulsions
- Foaming contained in the range of water hardness recommended



Tech. Code	GR70 Euro	Packaging	Quantity L	Appearance concentrated	Appearance emulsion	Refractometric factor	Density DIN 52757 Kg/lt	pH (5%) DIN 51369	Storage temperature °C
H001525	217,00	Can	25	Brown	Milky	1,0	0,960	9,25	from 5 to 40
H0015200	(1415,00)	Drum	200						

APPLICATIONS	K	INOX	P <850	P <1200	Al	Mg	Cu	Ti	Recommended concentration
Grinding	●	●●	●●●	●●●	●●●	○	●●●	●●●	4 - 5 %
Turning,milling	●	●●	●●●	●●●	●●●	○	●●●	●●●	5 - 6%
Drilling	●	●●	●●	●●	●●●	○	●●	●●●	6 - 7 %
Boring,threading	●	●●	●●	●●	●●	○	●●	●●	6 - 7 %
Broaching	●	●	●●	●	●●	○	●●	●●	10 - 12 %
Cutting, moulding	●	●	●	●	●	○	●	●	12 - 15 %

○ not suited ● suited ●● recommended ●●● excellent

The chemical-physical characteristics shown in the table do not constitute in any case an unsubscription for the manufacturer and producer.

Note: before inserting UNITEC 2K CF in the tank it is necessary to carry out a cleaning process of the machine using CLEAN BATT and CLEAN SUMP following the methodology approved by the chemical Workshop of LINK grupp S.p.A.

Related products

NEW

HAND HELD REFRACTOMETERS

Tech. Code	Model	Divisions %
H3631018	0 - 18%	0.1
H3631032	0 - 32%	0.2
H3631R1	Spare plate	-

The products are available in chapter H

H

BORON-CHLORINE AND FORMALDEHYDE RELEASER-FREE MINERAL FLUIDS

Unitec

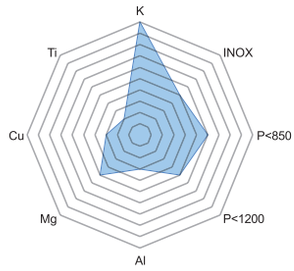
~45°F HARD | ≤40 BAR

ITEM: UNITEC HW 30

SAFETY DATA SHEETS ON-LINE

UNITEC HW 30 is a emulsifiable coolant with a medium content of mineral oil.It does not contain SVHC substances boro or formaldehyde, formidable anti oxidant. This emulsifiable oil has a formidable anti-oxidant action and a very high resistance to micro-organisms. UNITEC HW 30 is an emulsifiable oil without chloroparaffin and halides. UNITEC HW30 has been stuided and formulated to give maximum performance on hard water and in difficult working conditions.

Advantages:
- Excellent compatibility with water from 20 to 45 ° F
- Excellent health profile, compatibility with operator
-Excellent detergency of the grinding wheel
- Excellent cleaning of work area
- Long duration of the emulsions
- Foaming contained in the range of water hardness recommended
- Excellent performance in machining cast iron



Tech. Code	GR70 Euro	Package	Quantity L	Appearance concentrated	Appearance emulsion	Refractometric factor	Density DIN 52757 Kg/lt	pH (5%) DIN 51369	Storage temperature °C
H004025	224,00	Can	25	Amber	Translucent	1,1	0,980	9,60/9,80	from 5 to 40
H0040200	1506,00	Drum	200						

APPLICATIONS	K	INOX	P <850	P <1200	Al	Mg	Cu	Ti	Recommended concentration
Grinding	●●●	●●	●●●	●●●	●	●	○	○	4 - 5 %
Turning,milling	●●●	●●	●●	●●	●	●	○	○	5 - 6 %
Drilling	●●●	●●	●●	●	●	●	○	○	6 - 7 %
Boring,threading	●●●	○	○	○	●	●	○	○	6 - 7 %
Broaching	○	○	○	○	○	○	○	○	0 - %
Cutting, moulding	○	○	○	○	○	○	○	○	0 - %

○ not suited ● suited ●● recommended ●●● excellent

The chemical-physical characteristics shown in the table do not constitute in any case an unsubscription for the manufacturer and producer.

Note: before inserting UNITEC HW 30 in the tank it is necessary to carry out a cleaning process of the machine using CLEAN BATT and CLEAN SUMP following the methodology approved by the chemical Workshop of LINK grupp S.p.A.

Indivisible package Suggested retail package - Unit price

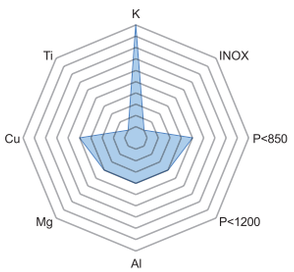
≤30°F MEDIUM HARD | ≤40 BAR

ITEM: UNITEC 520

SAFETY DATA SHEETS ON-LINE

UNITEC 520 is an emulsifiable coolant with a low content of mineral oil.It does not contain SVHC substances boro or formaldehyde, formidable anti oxidant and high resistance to micro-organisms.The product has been studied to have its maximum performance on cast Iron, but it is also able to work on materials such as steel, magnesium, alluminum or yellow alloys. UNITEC 520 emulisifiable oil has been designed for all those processes that need an excellent cooling capacity without losing the lubricating and cleaning capacity of the piece.

Advantages:
- Excellent compatibility with water from 0 to 30 ° F
- Excellent health profile, compatibility with operators
-Excellent detergency of the grinding wheel
- Excellent cleaning of work area
- Long duration of the emulsions
- Foaming contained in the range of water hardness recommended



Tech. Code	GR70 Euro	Package	Quantity L	Appearance concentrated	Appearance emulsion	Refractometric factor	Density DIN 52757 Kg/lt	pH (5%) DIN 51369	Storage temperature °C
H01255	41,00	Can	5	Amber	Translucent	2.0	1.010	9,60/9,80	from 10 to 40
H0125030	185,00		30						from 5 to 40
H0125200	1020,00	Drum	200						

APPLICATIONS	K	INOX	P <850	P <1200	Al	Mg	Cu	Ti	Recommended concentration
Grinding	●●●	○	●	●	●	●	●	○	4 - 5 %
Turning,milling	●●●	○	●	●	●	●	●	○	5 - 6 %
Drilling	●●	○	●	○	○	●	●	○	6 - 7 %
Boring,threading	●●	○	○	○	○	○	●	○	6 - 7 %
Broaching	○	○	○	○	○	○	○	○	0 %
Cutting, moulding	○	○	○	○	○	○	○	○	0 %

○ not suited ● suited ●● recommended ●●● excellent

The chemical-physical characteristics shown in the table do not constitute in any case an unsubscription for the manufacturer and producer.

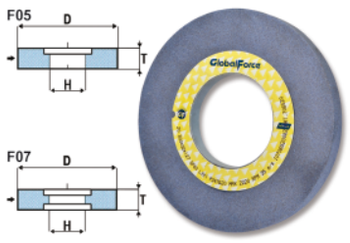
Note: before inserting UNITEC 520 in the tank it is necessary to carry out a cleaning process of the machine using CLEAN BATT and CLEAN SUMP following the methodology approved by the chemical Workshop of LINK grupp S.p.A.

Related products

NORTON SAINT-GOBAIN

GRINDING WHEELS FOR FLAT SURFACE RECTIFYING PROCESSING

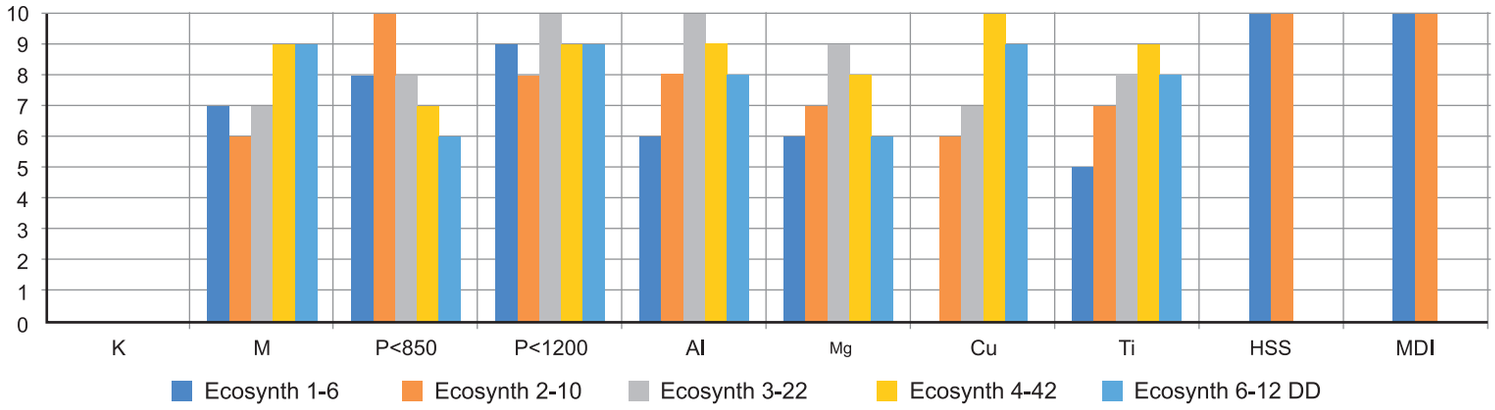
Tech. Code	D x T x H mm	Specification
G7440P205	355 x 50 x 127	GF54E12VXPM
G7440P255	406 x 50 x 127	GF46F12VXPC
G7440P305		GF46IVX



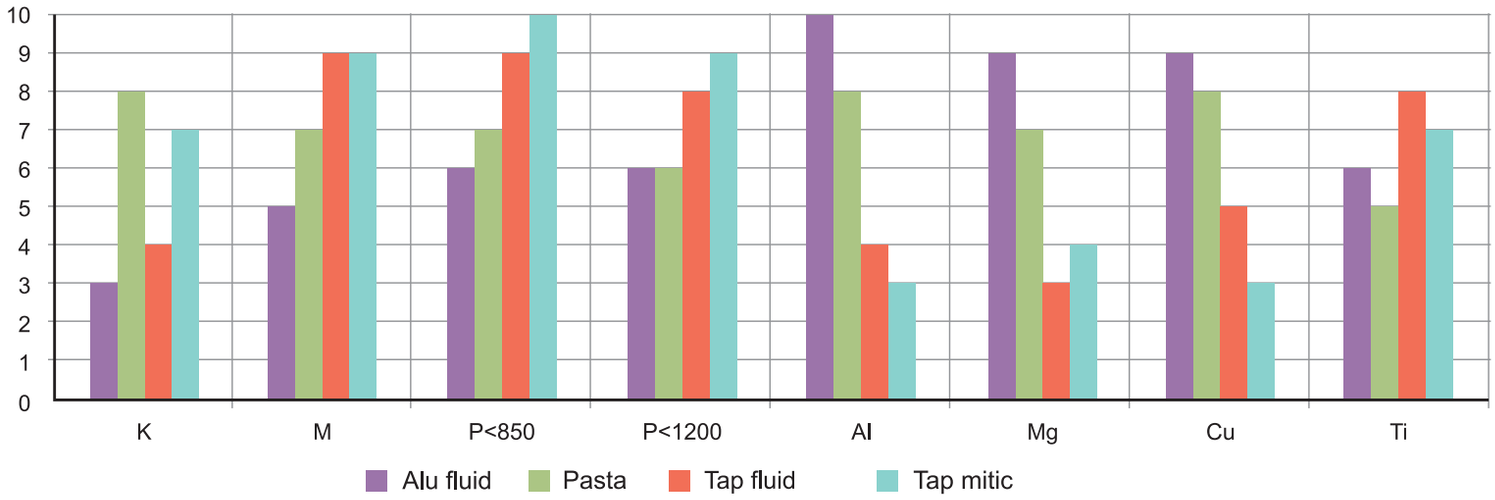
Product available in index G

L.TEC QUICK CHOICE OF PRODUCT-NEAT CUTTING OILS

This graph represents the choice of the most suitable product for the specific type of processing.



This graph represents the choice of the most suitable product for the specific type of processing.



H

Indivisible package Suggested retail package - Unit price

SYNTHETIC NEAT CUTTING OIL WITH RENEWABLE PLANT BASED

EcoSynth

≤70 BAR

SAFETY DATA SHEETS ON-LINE

ITEM: ECOSYNTH 1-6

ECOSYNTH 1-6 is a product for cutting created from renewable vegetable bases suitable for grinding and lapping, hardened steel, HSS and hard metal.
The ECOSYNTH 1-6 is a neat cutting oil for mechanical machining which has been studied for all heavy grinding and lapping operations, thanks to its vegetable orgin, it allows an excellent biocompatability with the operators.
ECOSYNTH 1-6 has been formulated for all those customers who need a neat oil for all mechanical processing with high performance of lubrification and detergency, always taking into account for the health profile.

Advantages:
- Excellent cleaning action on diamond wheels
- Easy removal of micro-scrap
- Recommended for manufacturing at high speeds
- Excellent when working where a level of high heat is developed
- Formulated for the processing of grinding of heavy metals
- First choice for lapping

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity ASTM D445 cSt	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Storage temperature °C
H116025	(276,00)	Can	25	Straw yellow	6	0,890	>170°	from 10 to 40
H1160200	(1805,00)	Drum	200					

APPLICATIONS	INOX	P <850	P <1200	Al	Mg	Cu	Ti	HSS	MDI
Grinding	○	●●	●●	●●	●	●	●●●	●●●	●●●
Lapping	●	●●●	●●●	●●	●	●	●●●	●●●	●●●
Turning,milling	○	○	●	●●	●●	○	○	○	○
Drilling	○	○	○	○	○	○	○	○	○
Boring,threading	○	○	○	○	○	○	○	○	○

○ not suited ● suited ●● recommended ●●● excellent

The characteristics chemical and physical listed in the chart are not under any circumstances for the manufacturer or producer.

SYNTHETIC NEAT CUTTING OIL WITH RENEWABLE PLANT BASED

EcoSynth

≤70 BAR

SAFETY DATA SHEETS ON-LINE

ITEM: ECOSYNTH 2-10

ECOSYNTH 2-10 is a neat oil for the maching of the latest generation created from renewable vegetable bases, suitable for turning, milling, drilling, boring and tapping on metals and designed to give excellent performance for the grinding and lapping of HSS and hard metal neat oil for ECOSYNTH 2-10 is a multi-purpose oil suitable to work on all types of metals with excellent ability to eliminate microsfrido and detergency developes its maximum performance on lathes and grinding. ECOSYNTH 2-10 has been formulated for all those customers who need a neat oil for mechanical processing with high performance of lubrification and detergency always taking in to account the health profile.

Advantages:
- Excellent cleaning action of diamond wheels
- Specific for construction and tool sharpening im MDI and HSS
- Simple removal of micro scrap
- Formulation suitable for the machining of metal alloys on headstocks

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity ASTM D445 cSt	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Storage temperature °C
H116225	(282,00)	Can	25	Straw yellow	10	0,880	>190	from 10 to 40
H1162200	(1778,00)	Drum	200					

APPLICATIONS	INOX	P <850	P <1200	Al	Mg	Cu	Ti	HSS	MDI
Grinding	○	●●●	●●●	○	○	○	●	●●●	●●●
Lapping	○	●●	●●	○	○	○	●	●●●	●●●
Turning,milling	●●	●●●	●●	●●●	●●●	●●●	●●	○	○
Drilling	●	●●●	●●	●●●	●●●	●●●	●●	○	○
Boring,threading	●	●●	●●	●●●	●●●	●●●	●●	○	○

○ not suited ● suited ●● recommended ●●● excellent

The characteristics chemical and physical listed in the chart are not under any circumstances for the manufacturer or producer.

H

SYNTHETIC NEAT CUTTING OILS WITH RENEWABLE PLANT BASED

EcoSynth

≤70 BAR

SAFETY DATA SHEETS ON-LINE

ITEM: ECOSYNTH 3-22

ECOSYNTH 3-22 is a neat oil for mechanical processing of the latest generation created from renewable vegetable bases with additives EP additives to Increase performance suitable for turning, milling, drilling, boring and tapping on hard metals and designed to give excellent performance on turning and milling.
Neat oil for processing ECOSYNTH 3-22 is a multi-purpose oil suitable for any type of processing work on metals with excellent lubricity even for heavy maching such as molding or toothing and high anti-sealing power.
ECOSYNTH 3.22 has been formulated for all those customers who need neat oil for mechanical processing with high performance on lubrification and detergency, always taking into account the health profile.

Advantages:
- Excellent lubrification
- First choice in the processing of sliding headstocks
- High anti-welding power
- Fluid designed to be suitable for any machining operation
 -Usable on any metallic material
- Outstanding in the rectification of the toothed gears

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity ASTM D445 cSt	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Storage temperature °C
H116425	(196,00)	Can	25	Amber	22	0,895	>220	from 0 to 40
H1164200	(1304,00)	Drum	200					

APPLICATIONS	INOX	P <850	P <1200	Al	Mg	Cu	Ti	HSS	MDI
Grinding	○	○	●●	○	○	○	○	○	○
Turning,milling	○	○	○	○	○	○	○	○	○
Drilling	●●●	●●●	●●●	●●●	●●●	●●●	●●	○	○
Boring,threading	●●●	●●●	●●●	●●●	●●●	●●●	●●	○	○
Broaching	●●●	●●●	●●●	●●●	●●●	●●●	●●	○	○
Cutting, moulding	●	●●	●●	●●●	●●	●●●	●	○	○
	●	●	●	●●	●	●●	●	○	○

○ not suited ● suited ●● recommended ●●● excellent

The characteristics chemical and physical listed in the chart are not under any circumstances for the manufacturer or producer.

H

Indivisible package Suggested retail package - Unit price

SYNTHETIC NEAT CUTTING OIL WITH RENEWABLE PLANT BASED

EcoSynth

≤70 BAR

SAFETY DATA SHEETS ON-LINE

ITEM: ECOSYNTH 4-42

ECOSYNTH 4-42 is a neat oil for machine processing of the latest generation, created starting from renewable vegetable bases with additives EP added to Increase the performance suitable for turning, milling, drilling, boring and tapping on metals and designed to give an excellent performance on burdensome machining.
The neat oil for ECOSYNTH 4-42 processing is a multi-purpose oil suitable for any type of processing work on metals with exceptional performance of lubrication on extremely heavy workings such as molding or toothing.
ECOSYNTH 4-42 has been formulated for all those customers who need neat oil for mechanical processing with ihigh performance of lubrication and detergency, always taking in to account the health profile.

- Advantages:
- Recommended for heavy machining
- Extrordinary lubrification
- EP high power at high and low temperatures
- Formulated to be able to work in diffilcult conditions

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity ASTM D445 cSt	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Storage temperature °C
H116625	182,00	Can	25	Amber	42	0,930	>220	from 10 to 40
H1166200	1209,00	Drum	200					

APPLICATIONS	INOX	P <850	P <1200	Al	Mg	Cu	Ti	HSS	MDI
Grinding	○	○	○	○	○	○	○	○	○
Lapping	○	●	○	●	●	●	●	○	○
Turning,milling	●●	●●	●	●	●	●	●	○	○
Drilling	●●●	●●	●	●●●	●●●	●●	●●●	○	○
Boring,threading	●●●	●●●	●●	●●●	●●●	●●●	●●●	○	○
Broaching	●●●	●●●	●●●	●●●	●●●	●●●	●●●	○	○
Cutting, moulding	●●●	●●●	●●●	●●●	●●●	●●●	●●●	○	○

○ not suited ● suited ●● recommended ●●● excellent

The characteristics chemical and physical listed in the chart are not under any circumstances for the manufacturer or producer.

KERFOLG
precision tooling

Technology
Efficiency
Endurance

H

L.TEC SYNTHETIC NEAT CUTTING OIL WITH RENEWABLE PLANT BASED

EcoSynth

≤70 BAR

ITEM: ECOSYNTH 6-12 DD

SAFETY DATA SHEETS ON-LINE

ECOSYNTH 6-12 DD a neat oil for mechanical processing of the latest generation created from renewable vegetable bases with additives EP added to Increase the performance on deep drilling.
The neat oil ECOSYNTH 6-12 DD machining is designed and formulated to give maximum drilling on deep drilling applications without losing performance when it is working in turning, milling, drilling, boring, threading, broaching, blanking or molding.
This oil is also suitable for working on multi-spindle mobile headstocks.
ECOSYNTH 6-12 DD has been formulated for all those customers who need neat oil for mechanical processing with high performance of lubrication and detergency, always taking in to account the health profile.

Advantages:
- Formulated for deep drilling operations
- EP high power at high temperature
- Excellent for boring machining and threading of steel
- Suitable for sliding heads and multi-spindles

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity ASTM D445 cSt	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Storage temperature °C
H117025	(215,00)	Can	30	Gold yellow	14	0,900	>200	from 10 to 40
H1170200	(1410,00)	Drum	200					

APPLICATIONS	INOX	P <850	P <1200	Al	Mg	Cu	Ti	HSS	MDI
Foratura profonda	●●●	●●●	●●	●●●	●●	●●	●	○	○
Turning,milling	●●	●●	●	●●	●●	●●●	●●	○	○
Drilling	●●●	●●●	●●●	●●●	●●●	●●●	●●	○	○
Boring,threading	●●●	●●●	●●	●●●	●●●	●●●	●●	○	○
Broaching	●●●	●	●	●●●	●●●	●●●	●	○	○
Cutting, moulding	●●●	●	●	●●●	●●●	●●●	●	○	○

○ not suited ● suited ●● recommended ●●● excellent

The characteristics chemical and physical listed in the chart are not under any circumstances for the manufacturer or producer.

WRK

W

Smart
Simplicity
Affordability

Indivisible package Suggested retail package - Unit price

LTEC NEAT CUTTING FLUIDS-HIGH-PERFORMANCE E.P.

SAFETY DATA SHEETS ON-LINE

ITEM: TAP MITIC

TAP MITIC is a cutting oil produced from renewable bases, suitable for tapping, broaching, slotting, drilling of an type of material difficult to process.
TAP MITIC cutting oil has been stuidied and formulated to have maximum ease of use and the highest safety features, while maximizinng product performance thanks to its exceptional Ep qualities TAP MITIC adhere to the tools surface so as to maximize cutting capacity even under high stress.

Advantages:
- High degree of lubrification
- Extradinary ability to adhere to tools
. Excellent adhesion to the workpiece
- Exceptional EP qualities
- Protects the cutting corrosion
- Prevents formation of build up edges

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity at 40° C ASTM D445 cSt	Density DIN 52757 Kg/m³	Point of flammability ASTM D92 C°	Storage temperature C°
H13200,5	20,00	Bottle	0,5	Dark amber	>250	1,22	>150°	from 0° to 40°
H13205	118,00	Can	5					

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer or producer.

LTEC PASTE TAPPING COMPOUND

SAFETY DATA SHEETS ON-LINE

ITEM: HI-THREAD

The HI-THREAD paste is specifically designed for use in tapping, threading and drilling of any type of material and thanks to its high adhesive qualities allows the tool to be adhered to.The high adhesive capacity of the HI-THREAD paste allows a perfect lubrication of the tool in any entry position.The product with the addition of powerful EP products ensures maximum lubrication even under high stress and difficult-to-machine materials.

Advantages:
- Does not drip
- Tenaciously it adheres to all ferrous metal alloys and non-ferrous
- High viscosity lubricant film excellent for extremely heavy machinin
- Recommended for machining of titanium and its alloys
- Reduction of friction of the tool through the use of the product
- The high viscosity allows for excellent product handling
- Absence of odor
- Excellent adhesiveness of the product on tools

Tech. Code	GR70 Euro	Package	Weight g	Appearance	Viscosity at 40° C ASTM D445 cSt	Density DIN 52757 Kg/m³	VOC g/l	Storage temperature C°
H13260500	16,00	Tin	500	Brown	2950	1,010	0	from 0° to 40°

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer or producer..

Related products

WRK SPIRAL POINT TAP FOR THROUGH-HOLES - M

Tech. Code	d x p mm	L mm
A2125M4	4 x 0,7	63
A2125M5	5 x 0,8	70
A2125M6	6 x 1,0	80
A2125M8	8 x 1,25	90
A2125M10	10 x 1,5	100
A2125M12	12 x 1,75	110

The products are available in chapter A

LTEC CUTTING FLUIDS FOR ALUMINUM

Alu

SAFETY DATA SHEETS ON-LINE

ITEM: ALU FLUID

ALU FLUID is a lubricated oil for tapping and threading studied and formulated to have the maximum performance on aluminum alloys.
ALU FLUID cutting and tapping oil thanks to its unique high characteristics and petroleum compounds very high refinement inside it optimizes the lubrication of the tool and the chip discharge.
ALU FLUID cutting oil decreases the friction coefficient by preventing the wear of the tools by cooling them and reduces the operating temperature.

Advantages:
- High cooling and lubricating power
- Suitable for aluminum alloys
- It does not stain yellow metal
- Free from chlorine
- It prevents the formation of built-up edges

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Density DIN 52757 Kg/m³	Point of flammability ASTM D92 C°	Storage temperature C°
H13400,4	7,00	Spray can	0,4	Ocher	0,870	>61°	from 0° to 40°
H13401	19,00	Can	1				

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer or producer.

LTEC CUTTING FLUIDS FOR STEELS

Tap

SAFETY DATA SHEETS ON-LINE

ITEM: TAP FLUID

TAP FLUID is a lubricated oil for tapping and threading studied and formulated to have the maximum performance on steel and stainless steel.This oil for cutting and tapping thanks to its innovative formulation allows optimal tooling lubrication by creating a very thin film that guarantees maximum lubrication during use.TAP FLUID tapping oil is an excellent multi-purpose oil thanks to its coupling characteristics mechanical between cutting edge and metal; for this reason it is also suitable for chip removal with tools counter.

Advantages:
- High cooling and lubricating power
- High anti-seize power
- Suitable for lubrication in mechanical couplings
- Suitable for cutting operations

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Density DIN 52757 Kg/m³	Point of flammability ASTM D92 C°	Storage temperature C°
H13500,4	7,00	Spray can	0,4	Ocher	0,880	>61°	from 0° to 40°
H13501	19,00	Can	1				
H13505	65,00		5				

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer or producer.

Related products

PECK 30 DRILLING MACHINE PECK 30

Tech. Code	Drilling mm	Spindle attachment
N044230	1 - 30/32	CM3

Product available in index N

Indivisible package Suggested retail package - Unit price

MINIMAL LUBRICATING CONTROL UNIT FOR SAWING MACHINES

Micro

ITEM: MICRO DROP

LTEC minimal lubricating systems are designed to replace traditional lubrication with oil emulsion or neat oil in machining with chip removal, molding and cold deformation. Uses lubricants from renewable bases that replace conventional fluids, eliminating registration requirement and disposal of exhausted liquid.
The micro-pneumatic pumps dose the minimum amount of lubricant that is transported by a flow of compressed air towards the tool/workpiece contact point without creating mist or pollution. The lubricant is consumed only during the processing phase.
There is an immediate increase in productivity because machine, working area and piece cleaning times are eliminated.
A further advantage in cost reduction is derived from the increase in tool life, which kept at room temperature drastically increases their life; it also eliminates health problems deriving from contact with traditional fluids.

Consists of a 1.2-liter tank with electrical level control frequency generator, needle valve to regulate the flow of compressed air leaving the nozzle, single effect micro air pump, solenoid valve for starting and stopping the control unit, articulated nozzle/s with 5 meters of coaxial pipe.

WARNING: Available on request reel with different voltage in CC or AC.

ON-LINE MANUAL

Tech. Code	GR71 Euro	Tension Volt	For band saw blades mm
H145034	(460,00)	24 V-CC	≤ 34

MINIMAL LUBRICATING CONTROL UNIT FOR MACHINES

Micro

ITEM: MICRO DROP

Minimal lubricating system LTEC are designed to replace the traditional lubrication with oil emulsion or whole oil in machining with chip removal, molding and cold deformation. Use lubricants from renewable bases which replace conventional fluids eliminating the registration requirement and disposal of exhausted liquid.
The micro pneumatic pumps dosing the minimum amount of lubricant transported by a flow of compressed air towards the contact point tool/ workpiece without creating fog or pollution. The lubricant is consumed only during the processing phase.
This product guarantees an instant increase in productivity as it helps eliminate cleaning downtimes usually required by the machine as well as it surrounding working area.
A further advantage in cost reduction is derived from the increase in tool life, which, kept at a room temperature, drastically increases its life, it also eliminates the health problems derived from contact with traditional fluids.

Consists of a 1.2-liter tank with electrical control level, frequency generator, needle valve to regulate the flow of compressed air leaving the nozzle, micro air pump mono effect, solenoid valve for starting and stopping the control unit, nozzle/s articulated with 5 meters of coaxial pipe.

WARNING: Available on request reel with different voltage in CC or AC.

ON-LINE MANUAL

Suitable for: TOOL MACHINES, DRILLING MACHINES, TAPPING MACHINES, SLOTTING MACHINES, BROACHING MACHINES, CN LATHES ,CN MILLING MACHINES, MACHINING CENTER CNC

Tech. Code	GR71 Euro	Nozzles n°	Tension Volt
H14521	(525,00)	1	24 V-CC
H14522	(615,00)	2	

CUTTING FLUIDS SYNTHETIC-BASED FOR STEELS

Steel

ITEM: STEEL 46

SAFETY DATA SHEETS ON-LINE

STEEL 46 is a product composed of synthetic esters designed for minimal MQL lubrication. The STELL 46 cutting oil has been studied and formulated to maintain maximum lubrication with the minimum product smoke during any type of processing on metals and non metals. Thanks to its characteristics and to the EP additives contained within it, the STEEL 46 cutting oil allows an optimal lubrication on any type of machining from chip removal torectification; also having exceptional lubrication characteristics for cutting with discs or strips.

Advantages:
- Suitable for processing of ferrous alloys
- Suitable for the processing of non-ferrous alloys
- Suitable for the processing of Hardened steel
- Suitalbe for cutting and deformation of plastic processing

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity at 40° C ASTM D445 cSt	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Storage temperature °C
H142005	50,00	Can	5	Yellow gold	36	0,925	>250	from 10 to 40
H142020	233,00		30					
H1420200	1394,00	Drum	200					

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer or producer.

LINEAR GUIDE OILS

Waylube

ITEM: WAYLUBE EP

SAFETY DATA SHEETS ON-LINE

WAYLUBE guide oil is a product made up of selected oils and special additives that confer high adhesiveness and size of the lubricating film so as to increase the performance of the product. The WAYLUBE Linear guide oil thanks to its excellent adhesive power has the ability to lubricate in an efficient manner both horizontal and vertical guides.
The EP additives inside it guarantee lubrication of the WAYLUBE guide oil even under high loads and in lubrication at loss or circulation. WAYLUBE passes the CINCINNATI MILACRON P47, P50 and P53 tests.

Advantages:
- Hydrodynamic type friction coefficient
- Suitable for lubricating machine tool guides
- Remains adherent both horizontal and vertical
- Suitable for loss lubrication and motion
- Withstands loads
- Excellent for slow and heavily loaded rolling bearings

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity at 40° C ASTM D445 cSt	Viscosity Index	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Punto di scorrimento °C	Storage temperature °C
H201532B	178,50	Can	25	Yellow	32	100	0,870	>220	-20	from 10 to 40
H201568T	37,80		5		68	101	0,880		-21	
H201568B	168,00		25							
H201568F	1202,30	Drum	200							
H2015220B	182,70	Can	25		220		0,895	>230	-10	
H2015220F	(1357,70)	Drum	200							

The chemical-physical characteristics shown in the chart do not in any case constiture a spedification for the manufacturer and producer.

HYDRAULIC OILS

Hydro pro

ITEM: HYDROPRO

SAFETY DATA SHEETS ON-LINE

HYDROPRO is a neat oil made up of refined oils and specific additives, which gives this product the ability to respond to multiple needs. HYDROPRO hydraulic oil thanks to its formulation has a multiplicity of uses from hydraulic controls to the bar pushes of the machine tools. HYDROPRO hydraulic oils meets the specifications DIN 51524 Part II DENISON HF-0 and exceed the IP 281 test on vickers pump, FZG 12° STAGE VICKERS CETOP RP67H

Advantages:
- High multiplicity of use
- Used in hydraulically controlled machine tools
- Used in push-bar for turning and hydraulic presses
- Used in elevators, laminators and trolleys
- Used in ground handling and servo hydraulic machines

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity at 40° C ASTM D445 cSt	Viscosity Index	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Point of non scrolling °C	Storage temperature °C
H202032B	157,50	Can	25	Yellow	32	100	0,867	>220	-30	from 10 to 40
H202032F	1014,30	Drum	200							
H202046B1	33,60	Can	5		46	101				
H202046B2	157,50		25							
H202046F	1014,30	Drum	200							
H202068B	170,10	Can	25		68	99	0,870	>230		
H202068F	(1289,40)	Drum	200							
H2020100B	173,30	Can	25		100	100	0,888	>235	-27	
H2020100F	(1310,40)	Drum	200							

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer and producer.

Indivisible package Suggested retail package - Unit price

HYDRAULIC OILS FOR TURBINES AND AIRTOOLS — Nebulis

ITEM: NEBULIS

SAFETY DATA SHEETS ON-LINE

NEBULIS is a hydraulic mineral oil with a high natural viscosity index and appropriate additived to enhance the antioxidant and anti-corrosive properties. Thanks to its formulation, NEBULIS hydraulic oil can be used in turbocharger compressors and Hydraulic systems.
NEBULIS, thanks to its characteristics, passes the tests AFNOR NFE 48603 and HL DIN 51524 Part 1HL of oil. High quality hydraulic is excellent in industrial air filters and bearings.

Advantages:
- Outstanding protective properties
- Incorporated additives which prevent rust and corrosion even if water is present
- Can be utilized in turbines and compressors
- Can be utilized in vacuum pumps, hydraulic systems
- Excellent for industrial air filters and tool machines
- Usable plain and rolling bearings light loads

Tech. Code	GR70 Euro	Package	Quantity L	Viscosity at 40° C ASTM D445 cSt	Viscosity Index	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Punto di scorrimento °C	Storage temperature °C
H2010B	10,50	Jar	1	32	100	0.,875	220	-15	from 10 to 40
H2010T1	44,10	Small tank	5						
H2010T2	188,00	Can	25						

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer or producer.

MULTIPURPOSE OILS — Oleol

ITEM: OLEOL HM

SAFETY DATA SHEETS ON-LINE

OLEOL HM multifunctional oil is a lubricant for hydraulic circuits formulated with paraffinic mineral bases additives and appropriate anti-wear additives. Thanks to its excellent viscosity index, the OLEOL HM multifunctional oil is suitable for various types of applications from fast heads to refrigerators. The multifunctional oil OLEOL HM thanks to its innovative formulation is classified as L-HM in the ISO classification exceeds DIN 51524 PART II, DENISON HF-0, HF-1, HF-2 and AFNOR E48-603 tests; SUPPORTS VICKERS CETOP TESTS RP67H, VICKERS I-286 S AND M2950 S, FZG 12° STADIUM, CINCINNATI MACHINE USS-127, USS-136.

Advantages and uses:
- Wear resistant
- Rust resistant additives
- Anti-corrosion additives
- Excellent viscosity
- Mainly used on high speed machines
- Excellent heat exchanges and refrigerators
- Ideal for hyhdraulic power units

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity at 40° C ASTM D445 cSt	Viscosity Index	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Point of non scrolling °C	Storage temperature °C
H20451025	(170,10)	Can	25	Yellow	10	100	0,825	>165	-	from 10 to 40
H20451525	(165,90)				15	101	0,850	>180	-30	
H20452225	(169,10)				22		0,865			

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer or producer.

Related products

FR+L GROUPS

Tech. Code	Fitting	Pressure BAR
L421014	G 1/4"	0 - 8
L421038	G 3/8"	
L421012	G 1/2"	

Product available in index L

H

GEAR OILS

Oilgear

ITEM: OILGEAR

SAFETY DATA SHEETS ON-LINE

OILGEAR is a mineral oil designed for lubrification of gears, oil bath with additives for working at extreme pressures.Thanks to its formulation oil for gears OILGEAR passes the tests DIN51517 CLP, CINCINNATI P59 and P63, US STEEL 224.
The Anti-wear additives in OILGEAR gear oil is lead-free and guarantees a superior wear effect resistance compared to other products.

Advantages:
- Usable in oil baths and circulating lubrications
- Usable in lubrifications of splash and sparys
- Usable in enclosed gear groups, chain drives, bearings, reduction gears
- Contains EP (estreme pressure) lead-free additives
- Wear resistant additive more wear resistant than normal gear oils

Tech. Code	GR70 Euro	Package	Quantity L	Appearance	Viscosity at 40° C ASTM D445 cSt	Viscosity Index	Density DIN 52757 Kg/lt	Point of flammability ASTM D92 °C	Point of non scrolling °C	Storage temperature °C
H203068B	172,20	Can	25	Amber	68	101	0.885	230	-20	from 10 to 40
H2030150B	186,90				150	99	0.890	>235	-15	
H2030150F	1375,50	Drum	200							
H2030220B	190,10	Can	25		220	100	0.900		-10	
H2030320B	197,40				320	101		>240	-5	
H2030320F	(1329,30)	Drum	200							

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer or producer

ANTIFREEZE CONCENTRATION

AntiFreeze

ITEM: ANTIFREEZE PRO

SAFETY DATA SHEETS ON-LINE

Anti-freezing agent for heat exchangers, a new concept product formulated free of amines and nitrities.
Product based on propylene glycol, less polluting than traditional products.
Specifically for use in the food industry, health and solar panels.

Advantages and use:
- Maximum protection system of corrosion
- Maximum capacity anti-foam
- Formulated to have the maximum stability during use and storage
- No problem if diluted in hard water

Tech. Code	GR70 Euro	Package	Quantity L	Specific weight Kg/lt	pH Solution 50% v/v	Alkalinity HCIN/10/10 ml	Point of boiling °C	Point of flammability °C	Concentration ANTIFREEZE PRO	H2O %	Punto di
H20555	(31,50)	Can	5	1.054	9.7	17	160	110	25% Vol. 33% Vol. 50% Vol. 60% Vol.	75% Vol. 67% Vol. 50% Vol. 40% Vol.	-10 -15 -32 -47
H205525	134,40		25								

The chemical-physical characteristics shown in the chart do not in any case constitute a spedification for the manufacturer and producer.

STOPPERS WITH TAP FOR 30 LT TANK

ITEM: H2013

Stopper with tap, perfect to use on plastic tanks.

Tech. Code	GR70 Euro	Package
H2013CAP	5,00	1 piece

Indivisible package Suggested retail package - Unit price

FLUIDS FOR THE MAINTENANCE OF EMULSIFIABLE FLUIDS — Double

ITEM: DOUBLE ACTION

SAFETY DATA SHEETS ON-LINE

The DOUBLE ACTION product is an emulsion stabilizer that has the task of rebalancing the water system oil after prolonged use of the cooling lubricant. Thanks to its innovative formulation, DOUBLE ACTION is able to protect the machine surfaces of oxidation. Thanks to the components contained inside the DOUBLE ACTION manages to have a clensing action on sludge and extraneous oils.

Advantages:
- It protects the staining of non-ferrous alloys
- It improves the stability of the emulsion
- Solubilization of sludge
- Cleansing action

Notes: Pour the product into the tank before preparing the emulsion or during processing concentration.Recommended concentrations:
- Before preparing the emulsion 0,1
- 0,3%- In the operating emulsion 0.1 - 0.2%

Tech. Code	GR70 Euro	Package	Quantity	Appearance concentrated	Density DIN 52757 Kg/lt	pH (5%) DIN 51369	Point of flammability ASTM D92 °C	Solubility	Storage temperature °C
H3560250	25,00	Bottle	250 ml	Amber	1,195	8,3	>100	Soluble in water	from 10 to 40
H356010	89,00	Can	5 Kg.						

The chemical-physical characteristics shown in the chart do not in any case constitute a specification for the manufacturer or producer.

BACTERICIDE FUNGICIDE ALGAECIDES FORMALDEHYDE FREE — Clean

ITEM: CLEAN BATT

SAFETY DATA SHEETS ON-LINE

CLEAN BATT is a broad-spectrum bactericide, fungicidal and algaecide product that can be used on any type of emulsions.The bactericide CLEAN BATT is a specific formulation to counteract the phenomena of degradation they cause malodorous in systems such as emulsions and degraded waters.

Advantages:
- Broad-spectrum of action
- Suitable for eliminating any micro-organsimo
- Easy use
- Elimates fungi, algae and bacteria

Concentration recommended: 0,1 = 100 ml ogni 100 liter

Tech. Code	GR70 Euro	Package	Quantity	Appearance concentrated	Density DIN 52757 Kg/lt	pH (5%) DIN 51369	Point of flammability ASTM D92 °C	Solubility	Storage temperature °C
H3515250	20,00	Bottle	250 ml	Yellow	1,060	3,50	>100	Soluble in water	from 10 to 40
H35155	126,00	Can	5 Kg						

The chemical and physical characteristics indicated in the table do not in any way constiture a specification for the manufacturer or producer.

ANTIFOAM FLUIDS FOR THE MAINTENANCE OF EMULSIFIABLE FLUIDS — Zero

ITEM: ZERO FOAM

SAFETY DATA SHEETS ON-LINE

ZERO FOAM is a silicone anti-foaming product specific for emulsions and alkaline systems. Thanks to its innovative structure, ZERO FOAM emulsion antifoam has the ability to break down the frothiness of the cooling lubricant in the long and short term. The ZERO FOAM antifoam is suitable for both the mechanical and electronic industries.

Advantages:
- Specifically for mechanical and electrical engineering Industries
- Sprayable on foam to be reduced
- Insertable in the tank without damaging the emulsion
- Usefull to avoid formation of foam

Tech. Code	GR70 Euro	Package	Quantity	Appearance concentrated	Density DIN 52757 Kg/lt	pH (5%) DIN 51369	Solubility	Storage temperature °C
H3540250	23,00	Bottle	250 ml	White	1,000	5 - 7	Soluble in water Partially in oil	from 10 to 40
H35405	113,00	Can	5 Kg					

Concentration recommended: 0,2% - 05%

The chemical and physical characteristics indicated in the table do not in any way constiture a specification for the manufacturer or producer.

H

DEFOAMER

NEW

ITEM: ANTI FOAM

ANTI FOAM is a 100% NON-SILICON anti-foaming product, which is used in the metal industry. ANTI FOAM is a highly effective antifoam formulated specifically for systems with stable foaming,persistent difficult to break down.The ANTI FOAM is a product free of ions within it thanks to its formulation it is stable even in the long term.Thanks to its innovative formulation, ANTI FOAM does not interfere in any system of water in which it is placed and thanks to the silicone products contained inside it does not clog the filters.ANTI FOAM is able to act on foams produced by surfactants, vinyl finishing resins, acrylics and mixtures, waxes, protein derivatives, foaming products in any kind of sistuation.

ADVANTAGES:
- Non-silione anti-foam
- Does not clog the filters
- Specific for the mechanical Industries
- Sprayable on foams to break down
- It can be inserted in the tank without damaging the emulsion
- Instant foam reduction

Tech. Code	GR70 Euro	Package	Quantity	Appearance concentrated	Density DIN 52757 Kg/lt	pH (5%) DIN 51369	Solubility	Storage temperature °C
H35455	(155,00)	Can	5 Kg	Amber	0,912	-	Solubile in acqua Parzialmente in olio	from 10 to 40

Recommended concentration: 0,5% - 2,0%

The chemical/physical characteristics shown in the table do not in any case constitute a specification for the manufacturer or producer.

FLUIDS FOR MACHINE CLEANING

Clean

ITEM: CLEAN SUMP

SAFETY DATA SHEETS ON-LINE

CLEAN SUMP is a cleaning product for cleaning and sanitizing machine tools before replacement of cooling lubricant. Thanks to the powerful additives inside it has an excellent ability to solubilize the sludge and degreasing of surfaces. Through the use of CLEAN SUMP detergent for tanks it is possible to continue working even after the introduction without creating problems to the stability of the cooling lubricant.

Advantages:
- Excellent capacity of tank cleaning
- Excellent capacity of sludge solubilize
- Excellent capacity to sanitize the machine tools
- Limits the volume of disposal of polluted emulsions
- It is used in the emulsion prior to disposal

Tech. Code	GR70 Euro	Package	Quantity L	Appearance concentrated	Density DIN 52757 Kg/lt	pH (5%) DIN 51369	Point of flammability ASTM D92 °C	Solubility	Storage temperature °C
H351010	52,00	Pail	10	Paglierino	1,065	12,5	>100	Soluble in water Partially in acetone	from 10 to 40
H351030	144,00		30						

Note: Use method of 2% for polluted emulsions and 4% for very polluted emulsions. Pour in the appropriate percentage of Clean Sump directly into the polluted emulsion before emptying the tank leave 48 hours in circulation in the machine tool so as to clean the pumps and filters and moving parts after which empty in the tank.

The chemical and physical characteristics indicated in the table do not in any way constitute a specification for the manufacturer or producer.

Related products

NEW

INDUSTRIAL ASPIRATOR/SEPARATORS TWISTOIL 280

Tech. Code	Tank capacity L	Solids container L
N6008280	280	40

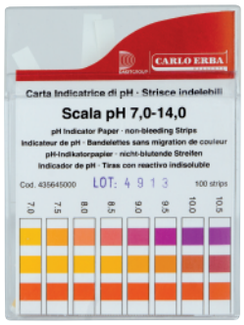
Product available in index N

Indivisible package Suggested retail package - Unit price

PH-CONTROL PAPERS

ITEM: H3609

The emulsion pH-control papers are used to verify that the value lies between 8.5 and 9.5. A too low pH value can generate oxidation processes or be a symptom of the formation of bacterial colonies and/or of the presence of extraneous elements, while a too high pH value is among the main causes of operator skin irritation; daily use is recommended.



Tech. Code	GR70 Euro	pH	Package	Pieces
H3609714	28,00	7 - 14	Box	100

WATER HARDNESS CONTROL PAPERS

ITEM: H3615

Papers for controlling the emulsion water hardness are used to verify this value. If the value is higher than 50° French, the emulsion may separate; it must be topped up with emulsion made with demineralised water. The emulsion hardness tends to increase during use due to the evaporation of water and the high concentration of minerals dissolved in it; weekly use is recommended.

Tech. Code	GR70 Euro	Package	Pieces
H3615100	51,00	Jar	100

LTEC HAND HELD REFRACTOMETERS

NEW

ITEM: H3631

The refractometer is an optical instrument that measures the refractive index of a fluid in order to determine the concentration percentage of cooling lubricant emulsions. Its daily use allows verification of the correct concentration of the emulsion in the tank in order to prevent waste, protect the tool machine and reduce the total production costs.

CAUTION: Do not submerge in any liquid or emulsion.

Tech. Code	GR70 Euro	Model	Divisions %
H3631018	89,00	0 - 18%	0.1
H3631032	109,00	0 - 32%	0.2
H3631R1	7,00	Spare plate	-

LTEC VOLUMETRIC MIXER

NEW

ITEM: H3618

The volumetric mixer is an Instrument driven by water pressure alone which guarantees the formation of stable emulsions at the desired concentration. Through the use of a volumetric mixer it is possible to reduce the time for filling and topping the tanks of machine tools, this reducing time and costs. Using the volumetric mixer it is also possible to top- up by defining the concentration with ease and precision.The LTEC volumetric mixer is built in Italy and all the appliances are tested one by one before sale to the end user. The mixer H361812 is complete with filter, pressure reducer, suction tube, stainless steel container, to prevent the product from accidental impacts and 2 taps so as to be ready for use

Concentration range from 1 to 10 %

ON-LINE MANUAL

ADVANTAGES
- Easy to use
- Cost reduction
- Product tested before sale
- Rapid topping up
- Top-up precision

Tech. Code	GR71 Euro	Concentration	Flow lt/h	Water pressure bar	Model
H361810	1100,00	1 - 10%	1600	from 0,7 to 8	Base
H361812	1530,00				Complete

LTEC VENTURI MIXER

NEW

ITEM: H3619

The venturimetric mixer gives every customer the possibility to quickly fill and top-up the machine tool tanks. It is recommended to perodically check the concentration at the outlet of the mixer. The simplicity of the product guarantees each user its use.

Concentration range from 1 to 10 %

ON-LINE MANUAL

ADVANTAGES
- Easy to use
- Cost reduction
- Rapid topping up

Tech. Code	GR71 Euro	Concentration	Flow lt/h	Water pressure bar
H3619V	403,00	0 - 10%	1000	min 2

H

Related products

WRK COWHIDE GRAIN LEATHER GLOVES

Tech. Code	Size	EU size
K21007	M	7
K21008	L	8
K21009	XL	9
K210010	XXL	10

Product available in index K

Indivisible package Suggested retail package - Unit price

AIR COOLERS — Delta 40

ITEM: DELTA 40

Compressed air-operates cooling system(patented).
Delta 40 converts compressed air into two air flows, a hot and an extremely cold one.
Air jets as well as warm and cold temperatures may be adjusted by using a control valve.
Light, compact and cost-effective, it operated immediately, engineered by using sturdy, anti-corrosion materials..
Nylon 6.6 plastic support, easy to install thanks to its specifically designed adjustable clamp.
No electricity nor chemical products required, will not generate sparks, interference-free.
Designed to reduce pollution, increase tool performances and service life.

Equipment: provided with a 160mm - 1/4" articulated tube.

ON-LINE MANUAL

Tech. Code	GR71 Euro	Pressure bar	Outlet temperature* °C	Air NL/min	Weight g
H362210	165,00	1,5 3 4 5	- 8,0° -18,5° -21,5° -23,0°	46 80 100 125	150

*Temperature detected on exit nozzle with an inlet air temperature of 20°C.

DELTA 40 SUPPORT-SINGLE — Delta 40

ITEM: H3626

Special support with a 8mm stem for holding DELTA 40 with a magnetic stand. It can be fix to body of the DELTA 40 with 2 screws already included.

Tech. Code	GR71 Euro	Plate mm	Stem mm
H362610	25,00	23 x 30	Ø 8 x 25 h

AIR COOLING UNITS — Delta 40

ITEM: DELTA 40 TRIPLO

Setting the adjusting screw either clockwise or anti-clockwise regulates compressed air-flow adjustment.
DELTA 40 TRIPLO In addition to the standard air cooling feature, offers up to three times as much air flow.
This allows also workpieces, chips and tools also to be blown away from working area. Also by generating up to three times the volume of cooled air, this can be successfully used for heavy-duty tools.

Equipment: provided with a 320mm - 1/2" articulated tube.

ON-LINE MANUAL

Tech. Code	GR71 Euro	Pressure bar	Outlet. Temp* °C	Air NL/min	Weight g
H36243	548,00	1,5 3 4 5	- 8,0° -18,5° -21,5° -23,0°	138 240 300 375	760

*Temperature detected on exit nozzle with an inlet air temperature of 20°C.

DELTA 40 SUPPORT-TRIPLE — Delta 40

ITEM: H3627

A support rod specifically designed to orientate the DELTA 40 TRIPLE unit as desired. Firmly secured to the magnet mounted onto the DELTA 40 TRIPLE main body.

Tech. Code	GR71 Euro	Plate Ø mm	Stem mm
H362730	25,00	38	Ø 8 x 25 h

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COMPRESSED AIR COOLERS — Delta 40

ITEM: DELTA 40 TURBO

Cooling device compressed air (patented). DELTA 40 TURBO converts compressed air into two streams. One of hot air and one of very cold air. The jets of the hot and cold temperatures are adjustable by means of a valve that allows control. Lightweight, compact and economical that works instantly made of anti-corrosion resistant material. Aluminum support that allows installation using 2 magnets. Uses no electricity or chemicals and it does not generate sparks or interference.
It reduces pollution and increases the speed of the tool machining by increasing the duration.

Equipment: provided with a 320mm - 1/2" articulated tube.

Tech. Code	GR71 Euro	Pressure bar	Outlet temperature* °C	Air consumption NL/min	Cooling power W - Kcal/h - BTU/h
H3629TURBO	(745,00)	5 6 7	-16 -17 -19	633 783 900	730 630 2500

* Outlet temperature partly of cold air regulated about 50%.

COMPRESSED AIR COOLERS — Delta 40

ITEM: DELTA 40 1000

Cooling device using compressed air (patented). DELTA 40 1000 trasforms compressed air into two flows: hot and cold air. The jets and hot or cold air temperatures are adjustable thanks to a valve. Light, compact and economic, it works istantaneously and it is composed of corrosion-resistant materials. Aluminium holder permits the installation through 2 magnets.
It does not use electricity or chemical products, no sparks or interferences. It reduces pollution and increases tool working speed extending the duration.

Equipment: provided with a 320mm - 1/2" articulated tube.

Tech. Code	GR71 Euro	Pressure bar	Outlet temperature* °C	Flow rate NL/min	Air consumption NL/min
H36281000	986,00	5 6 7	-16 -17 -19	300 358 417	633 783 900

* Outlet temperature partly of cold air regulated about 50%.

COOLERS FOR ELECTRIC PANELS

ITEM: AIR COOLING CABINET

Cooler for electric panels with innovative system of hot air extraction from the panel and cold air emission. Possibility of give direction to the jet directly on critical components.

Equipment: provided with a 320mm - 1/2" articulated tube.

Tech. Code	GR71 Euro	Pres. bar	Outlet temperature* °C	Flow rate NL/min	Air consumption NL/min	Depression mbar	Exit rate NL/min
H35301000	(1100,00)	5 6 7	-16 -17 -19	300 358 417	633 783 900	-58 -72 -87	1766 2000 2200

* Outlet temperature partly of cold air regulated about 50%.

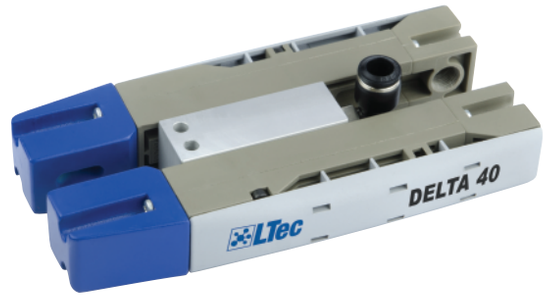
AIR COOLER FOR SAWING MACHINES — Delta 40

ITEM: DELTA 40 SAW

The air cooling device comprises two DELTA 40, two 90° nozzles and a connecting support.

DELTA 40 SAW is used on sawing machines to cool their blade and allow a clean cut on metals as well as on a wide range of plastic materials.

Such cooling device is successfully applied also on vertical band saws for metals, wood, plastic and on circular saws when cutting the pouring spout of aluminum moulds as well as for all other material cutting applications where the use of metalworking fluids is either unadvisable or impossible.



*Temperature detected on exit nozzle with an inlet air temperature of 20°C.

ON-LINE MANUAL

Tech. Code	GR71 Euro	Pressure bar	Outlet temperature* °C	Air NL/min.	Weight g
H362310	330,00	1.5 3 4 5	- 8.0° -18.5° -21.5° -23.0°	92 160 200 250	280

Indivisible package Suggested retail package - Unit price

COMPRESSED AIR COOLERS

ITEM: H3620

TURBO AIR cools the tool and the contact parts.
Extends tool life by eliminating the cost of lubricating and cutting oils.
Reduces the cost of waste oil disposal and requires no maintenance. Cleans work areas and tools from residues, improving hygiene in the workplace. Preset cooling function with a compressed air clutch that can be rotated 270°.
Quiet and efficient with magnetic attachments suited for all machines; it works without electricity or refrigerants and increases productivity with taking up minimal space inside the machine.

Tech. Code	GR71 Euro	Temperature
H36201	305,00	0°C/-25°C

AIR BLADES AIR BLADE MINI

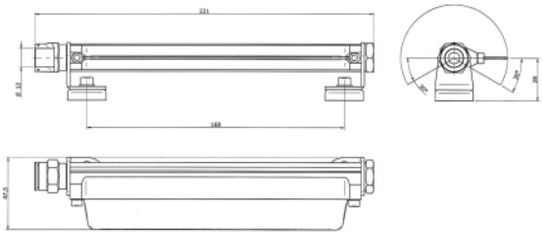
NEW

Air Blade

ITEM: AIR BLADE MINI

Air blades AIR BLADE MINI produces straight flow air without turbulence because it is absolutely straight allowing many operations.
Using KOANDA effect, the flow amplifies its range aspirating ambient air; the effect consists of a mass air flow greater than the one provided by the compressed air installation used for the feeding.

APPLICATIONS:
- Protection barrier for chips
- Protection barrier for fumes or oily mists cleaning interior windows
- Cleaning workpieces from chips and lubricants
- Chips evacuation or coated pieces drying
- Molded parts cooling



Tech. Code	GR71 Euro	Pressure bar	Air consumption NL/min	Thrust force* g
H3635100	325,00	1	765	42
		2	978	238
		3	1360	595
		4	1573	722
		5	1955	1105
		6	2380	1490
		7	2663	1900

* Thrust force (grammes) measured at the distance of 150/200 mm.

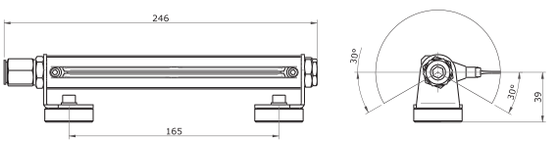
AIR BLADES

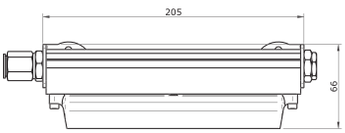
Air Blade

ITEM: H3625

AIR BLADE produce an air straight flow from 1m to 1,5m length, according to the pressure of the feeding air.
This flow does not produce turbulence because it is absolutely straight, allowing many operations.
Using KOANDA effect, the flow amplifies its range aspirating ambient air: the effect consists of mass air flow greater than the one provided by the compressed air installation used for the feeding.

APPLICATIONS:
- Protection barrier for chips
- Containment booms fumes in oil mist cleaning machine's interior windows
- Cleaning workpieces from chips and / or lubricants
- Chips evacuation or coated pieces drying
- Molded parts cooling





Tech. Code	GR71 Euro	Pressure bar	Air consumption NL/min	Thrust force* g
H3625100	490,00	1	900	50
		2	1150	280
		3	1600	700
		4	1850	850
		5	2300	1300
		6	2800	1750
		7	3200	2250

* Thrust force (grams) measured at a distance of 150/200 mm.

H

LTEC EMULSION OXYGENATORS

Oxi NEW

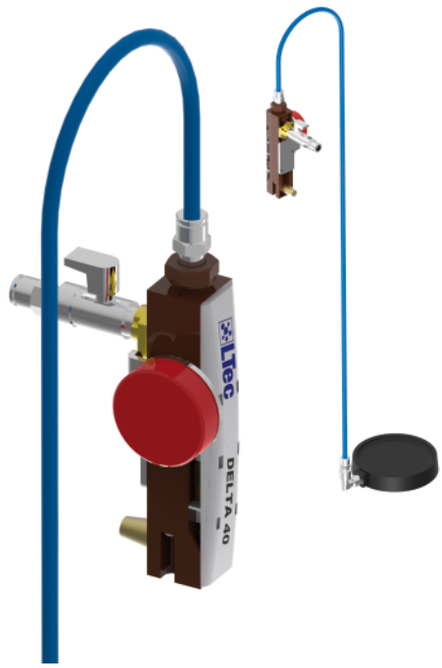
ITEM: OXI COOLER

OXI COOLER is a combined oxygenation and cooling system featuring a DELTA 40 cooling unit, which can also be mounted onto a TOS 2.0 tramp oil separator so to accelerate separation of lubricant oil from emulsion itself.

The neodymium magnet is designed to provide a safe and tight fastening of the OXI COOLER onto a steel wall, simply by inserting its bubbler tube in the bottom of the tank and coupling it to the compressed air unit.

The flux valve is designed to optmise cooling air flux in relation to tank emulsion levels.

OXI COOLER offers the following benefits:
- Longer emulsion life without chemical supplement
- Enhanced tool performance
- Preventing unpleasant odours due to microbial metabolism
- Emulsion provide from oxygenation kept at optimum PH levels.
- Gradually ihibits bacterial growth
- Protecting ferrous alloys against oxidation
- Cooled down emulsion ensures reduced fume and fog
- Significantly reduced cost of disposal



Tech. Code	GR71 Euro	Pressure bar	Outlet. Temp °C	Air NL/min.	Weight Kg
H3266OXI	290,00	1,5 3 4 5	- 8,0° -18,5° -21,5° -23,0°	46 80 100 125	1,2

LTEC DISC OIL SKIMMERS

Rasen

ITEM: RASEN D.1

Ideal for tools machines, washing pieces machines, condenser compressors and in general where it is necessary to separate the superficial oil from the fluid below. Easily applicable even in restricted spaces, the most advanced equipment for the mechanical removal of oils pollutants from the surface of the emulsion coolants. The highest technical standards to provide: • reliable operation • durability • no maintenance

BENEFITS OF USE

The LTEC range of oil separators today represents the best removal solution to solve the problems caused by the presence of pollutants in oil emulsion cooling lubricants and of water in washing pieces machines.
• Avoid microbial degradation of the fluid in operating
• Improve standards of production
• Inhibiting the production of noxious fumes and mists
• Reduce contamination of the machine
• Eliminate downtime due to the need for manual oil removal

• Built and assembled in Italy from high quality industrial products
• Industrial ratio- motor
• Illuminated switch
• Electronic timer with 4 positions
• Single key for assembly and adjustment (E27005 WRK)
• Easy and safe to use thanks to the oil collection tank with level sensor
• Upon request, disc type may also be supplied in sizes other than standard ones

Features:
• Band polyurethane polymer
• Recovery of oil up to 8 kg / h as a function of viscosity

Tech. Code	GR71 Euro	ø Disc mm	Mono- phase motor V - Hz	Power cable m
H4045D320	595,00	320	230 - 50/60	2 with plug 16A - IP65
H4045D500	(740,00)	500		
H4045DIS320	90,00	320	Replacement disc	-
H4045DIS500	(130,00)	500		

Indivisible package Suggested retail package - Unit price

BELT OIL SKIMMERS

Rasen

ITEM: RASEN B.1

RASEN B.1 offers the best possible solution to the problem of avoiding oil pollution in the metalworking fluids and in water outlets.

BENEFITS OF USE

- Prevents microbial degradation of fluid in operation
- Improves production standards
- Inhibits the production of noxious fumes and mists
- Reduces machine contamination
- Eliminates downtime caused by the need for manual oil removal.

In essence, one obtains an extension of the life of fluids.

Tech. Code	GR71 Euro	Tape mm	Mono-phase motor V - Hz	Weight kg
H4035400	498,00	400 x 50	230 - 50 / 60	6,5

HEAVY DUTY BELT OIL SKIMMERS

Rasen

ITEM: RASEN B.2

Ideal for tool machines, washing machines for pieces, condenser compressors and, in general, when it is necessary to separate the surface oil from the fluid below.
Easy to apply even in tight spaces, it is the most advanced equipment for the mechanical removal of oil pollutants from the surface of coolant emulsions.
The highest technical standards to provide:

- reliable operation
- durability
- no maintenance

BENEFITS OF USE

- Prevents microbial degradation of fluid in operation
- Improves production standards
- Inhibits the production of noxious fumes and mists
- Reduces machine contamination
- Eliminates downtime caused by the need for manual oil removal

In essence one obtains an extension of the life of fluids.

- Built and assembled with industrial-quality products
- Industrial ratio-motor
- Illuminated switch
- Electronic 4-position timer
- Single key for assembly and adjustment (E27005 WRK)
- Easy and safe to use thanks to the oil collection tank with level sensor
- Non-standard size bands available on request

Features:

- Polyurethane polymer band
- Self-adjusting band tension
- Recovers up to 8 kg/h of oil in relation to the viscosity

Tech. Code	GR71 Euro	Tape mm	Mono- phase motor V - Hz	Power cable m
H4040N400	605,00	400 x 50	230 - 50/60	2 with plug 16A
H4040N700	719,00	700 x 50		
H4040NAS400	90,00	400 x 50	Replacement belts complete with tension springs	Replacement belts complete with tension springs
H4040NAS700	142,00	700 x 50		

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TRAMP OIL SEPARATORS TOS 2.0

ITEM: TOS 2.0

ON-LINE MANUAL

Tramp oil separator suitable for separating from the emulsions in the tank foreign oils, sludge and foam. You can use tank turbulence and degrease on a 24 hour basis. During the aspiration phase a superficial motion is formed in the emulsion thanks to this all the foreign oils floating are aspirated and decanted, the clean emulsion is drained into the tank by gravity. The operation also creates a beneficial oxygenation effect.

The self leveling float allows for a swift installation even in tight spaces, immediate and reliable functionality. The new filter sack supplied as standard with TOS 2.0, enhances its reliability and is very easy to clean.
TOS 2.0 does not have material consumption and works without the presence of an operator.

Features:
- Electrical panel with PLC with display in 6 languages:
  English, Italian, French, German, Spanish, Russian
- Electrical panel protection IP65
- Maximum liquid temperature aspirated: 60° C
- Environment temperature: +5°C +40°C
- Rated motor power Kw 0.25
- Funnels with tap for emptying and cleaning
- Emergency stop button

Advantages:
- Decreases the production failure time caused by machine stops
- Lengthens the interval between one disposal and the other
- Lengthens the life of the emulsion and reduces the chemical and biological risks
- Reduces bad smells by improving the working environment
- It blocks the reproduction of mold and bacteria while preserving the health of the operators
- Reduces the fumes generated by oil

Supplied with:
- 1 Dynamic float H400P70

On request:
- Cam attachment for exhaust pipe

Tech. Code	GR71 Euro	Container capacity L	Flow l/h	Power kw	Tension V	Dimension mm	Empty weight kg
H4000TOS2.0	3850,00	105	250	0,29	230 at 50 Hz	570 x 550 x 980h	80

Tech. Code	GR71 Euro	Description	
H4002P070	315,00	Dynamic float with magnet	h 70
H4002P250	335,00		h 250/500

H

Related products

WRK GLOVES IN CONTINUOUS POLYESTER WIRE POLYURETHANE COATED

Tech. Code	Size	EU size
K23106	S	6
K23107	M	7
K23108	L	8
K23109	XL	9

The products are available in chapter K

Indivisible package Suggested retail package - Unit price

UNIVERSAL ABSORBENTS FOR OILS AND LIQUIDS

ITEM: H4150

SAFETY DATA SHEETS ON-LINE

Aluminium oxide-based product for oil, emulsion, grease, tar, solvent, paint and hydrocarbon in general; rapidly absorbs all liquid substances from surfaces without leaving a trace. Remains stable up to temperatures of 1500°, offers excellent adhesion to the floor, it remains dry to the touch, non-slippery and non-toxic even when it is completely soaked. Absorption ratio from 1:1 to 1:1.5

Tech. Code	GR70 Euro	Package	Weight Kg
H415010	56,00	Bucket	10

L.TEC UNIVERSAL ABSORBENT GRANULES FOR OILS

ITEM: DRY GRAIN

SAFETY DATA SHEETS ON-LINE

Multi-purpose, Eco-friendly natural component-based granules ideal for absorbing oils, grease, hydrocarbons and chemical product spills in working environments. Moisture and water proof, does not generate dangerous and slippery mixtures. Non-flammable. The product holds and does not release the absorbed substances If properly stored in a dry place, the product has no expiry date. It can be disposed of as regular municipal waste (provided all standards governing the relevant absorbed substances are complied with). Supplied according to grain size. A fine-grained type is usually highly recommended for polluting film, widely used for industrial applications. Coarse-grained type is largely used to treat and clean up large amounts of pollutants, whereas a finer grain would result into a mixture-like effect. It absorbs approximately up to 130% of its weight.
EU CEN TS 15366:2010 compliant
Fr NF P 98-190 compliant

Tech. Code	GR70 Euro	Package	Grain size mm	Weight Kg
H415145G	12,00	Sack Lt. 10	2,0 - 4,8	4,5
H415170F	15,00		0,8 - 2,0	7,0

L.TEC UNIVERSAL ABSORBENTS FOR OILS AND LIQUIDS — Sepiolite

ITEM: H4155

SAFETY DATA SHEETS ON-LINE

Professional high-purity Sepiolite-based absorbent. The Sepiolite has internal channels called "zeolitic channels" that cross the entire structure of the material up to the outer surface forming pores of various sizes. The result is a highly porous mineral with low specific weight, ideal for absorbing all types of liquids (oil, petrol, water, etc.). It is an essential product for factories, workshops, roadbeds and work areas where spilled liquids can cause accidents, fermentation, danger and unwanted odours. It is very safe because it is a flame-retardant material. It also acts as a slip agent in road maintenance in case of slickness due to spilled liquids.

Tech. Code	GR70 Euro	Grain	Package	Weight Kg
H415515/30	27,00	Medium 15/30	Bag	20
H415530/60	26,00	Fine 30/60		

L.TEC BATTERY ACID NEUTRALIZER — Safety

ITEM: SAFETY SAND

SAFETY DATA SHEETS ON-LINE

Specifically formulated powder of natural origin. Especially recommended for use to neutralize acid liquids and sulphuric acid. Eco-friendly product, does not contain any irritant, toxic, corrosive or hazardous substances. It does not require special storage containers.
After expiry the product must be disposed of as non dangerous Special Waste.
Expiry date of product 7 years

Absorbance ratio: Kg 0,54 per Lt 1 of sulphuric acid
Acid base neutralization ratio: Kg 0,54 per Lt 1 of sulphuric acid

Test reports available upon request, in compliance with Decree n. 20 issued by the Ministry of Environment.

How to use
Gradually poor the product onto the spilled area. Wait a few minutes for the effervescent reaction to be completed which generates a mortar-like, easily removable mix. Clean up and dispose of as a non-toxic special waste. Collect and dispose of as a non-toxic special waste.

Tech. Code	GR70 Euro	Package	Weight Kg
H421010	(36,00)	Bucket	10

H

ABSORBENT FOR OILS AND HYDROCARBONS

ITEM: WHITE DRY

SAFETY DATA SHEETS ON-LINE

Water repellent , floating absorbents, ideal in the event of oil spills containing soil and water polluting substances, even in wet weather. Engineered for all types of oils and derivatives such as mineral, solvent oils and gasoline. Hydrophobic absorbents, they do not absorb water. Guaranteed for rapid soaking, they can absorb up to 20 times their weight. Ideal to absorb and clean up machinery spills. These absorbent socks represent an essential remedy to collect and retain spills.

Tech. Code	GR70 Euro	Description	Dimensions cm	Absorption L
H41315040F	121,00	Sheets package 200 pcs	50 x 40	145
H41318120	130,00	Tubes package 24 pcs	8 x 120	168
H41318240	130,00	Tubes package 12 pcs	8 x 240	

EMERGENCY KIT FOR DRY OIL COMPRISING

ITEM: WHITE DRY KIT

SAFETY DATA SHEETS ON-LINE

Consisting of:
- 30 pads 50 x 40
- 6 socks Ø 8 x 120
- 6 socks Ø 8 x 60
- 1 pair of gloves
- 1 mask
- 3 disposal bags

Supplied in a plastic trunk

Tech. Code	GR70 Euro	Package	Dimensions cm	Absorption L
H4132KIT75	165,00	Plastic trunk	60 x 40 x 32 h	75

UNIVERSAL ABSORBENT PADS

ITEM: GRAY DRY

SAFETY DATA SHEETS ON-LINE

Universal pads ideal for absorbing the full range of drips, leaks, spills and discharges. A fast-wicking fiber to absorb up to 19 times their weight. Ideal also for water soaking applications. Suitable also for water.

Tech. Code	GR70 Euro	Description	Dimensions cm	Absorption L
H41335040F	126,00	Sheets package 100 pcs	50 x 40	105
H41338120	130,00	Tubes package 24 pcs	8 x 120	144
H41338240	130,00	Tubes package 12 pcs	8 x 240	

QUICK RESPONSE UNIVERSAL SPILL KIT

ITEM: GRAY DRY KIT

SAFETY DATA SHEETS ON-LINE

Consisting of:
- 30 pads 50 x 40
- 3 socks Ø 8 x 120
- 3 socks Ø 8 x 60
- 1 bag of fine absorbent granules 10l
- 1 pair of gloves
- 1 mask
- 3 disposal bags

Supplied in a plastic trunk

Tech. Code	GR70 Euro	Package	Dimensions cm	Absorption L
H4134KIT65	164,00	Plastic trunk	60 x 40 x 32 h	65

MANHOLE PROTECTIVE MAT

ITEM: COVER DRAIN

Manhole Protective Mat is a contaminant protective apron pad to preserve sewage and pipeline networks.

Tech. Code	GR70 Euro	Description	Dimensions cm
H413760	142,00	Carpet	60 x 60

H

Indivisible package Suggested retail package - Unit price

ITEM: H4110

Viscose BTZ offers higher filtration quality because porosity is uniform over the whole surface; it is more suitable for filtering emulsions.

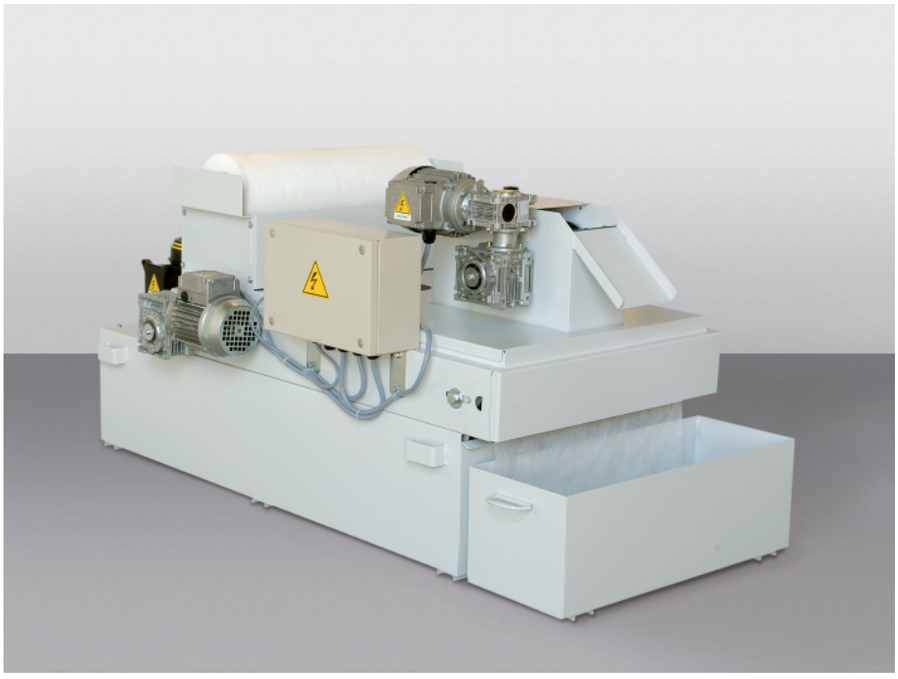
The polypropylene BTK is more economical, but offers lower pore uniformity; it is also suitable for filtering neat oils.

The weight per square meter is directly proportional to the filtration quality; a higher weight retains the finer dust, while a lighter weight allows the micro-scrap to pass through.

Tech. Code	GR70 Euro	Material	Length m	Height mm	Weight g/m²
H4110Z25500	27,90	Viscose	100	500	25
H4110Z30500	30,90				30
H4110Z35500	35,70				35
H4110Z50500	49,20				50
H4110Z25700	34,70			700	25
H4110Z30700	41,10				30
H4110Z35700	47,20				35
H4110Z50700	65,60				50
H4110Z251000	49,20			1000	25
H4110Z301000	55,00				30
H4110Z351000	68,50				35
H4110Z501000	99,30				50

Tech. Code	GR70 Euro	Material	Length m	Height mm	Weight g/m²
H4110K2500	18,30	Polyethylene	100	500	20
H4110K3500	24,70				35
H4110K2700	25,10			700	20
H4110K3700	31,80				30
H4110K5700	39,90				50
H4110K7700	71,10				70
H4110K21000	31,80			1000	20
H4110K31000	38,60				30
H4110K51000	48,00				50
H4110K71000	90,60				70

Tech. Code	GR70 Euro	Material	Length m	Height mm	Weight g/m²
H4110P30700	35,20	Polyester	100	700	30
H4110P45700	54,20				45
H4110P70700	79,80				70
H4110P301000	51,30			1000	30
H4110P451000	77,90				45
H4110P701000	96,00				70



PRODUCT ON REQUEST

L-TEC OIL MIST COLLECTORS FOR MIST AND OIL SMOKE

AFM NEW

ITEM: H5405

New solution of superior quality to eliminate oil mists, fumes and vapors generated by mechanical processing with the use of emulsion. Innovative integrated "SELF-CLEANING" centrifugal system for effective removal of the polluting particles directly at the source, which significantly increases the life of the subsequent filters. Modular Post filters with a high filtering surface, suitable for eliminating micro-organisms and harmful fumes, guarantee an emission reduction efficiency up to 99.98% (according to EN 779 - EN1822 standards). Moreover, their versatility is able to solve all customer needs at 360°. Maintenance costs halved thanks to innovative abatement systems and healthier and cleaner working environments, in compliance with current regulations on hygiene and safety in industrial work environments (Legislative Decree 25/02 - Legislative Decree and 626-94). Supply voltage 400 V / 50 Hz three-phase.
Complete with filter clogging detection device.

THE MACHINE IS SUPPLIED WITH A UNIVERSAL INSTALLATION KIT

Tech. Code	GR71 Euro	Model	Suction system	Suction m³/h	Power kw	ø Suction mm	Noise level dBA	Static pressure mm/H2O	Weight Kg
H5405500	2865,00	AFM-PX 500	Centrifugal + Mechanical	470	0,37	125	62	84	50
H54051000	3293,00	AFM-PX 1000		950	0,55	150	64	89	65
H54052000	3870,00	AFM-PX 2000		1920	1,1	200	68	96	80
H54053000	(4090,00)	AFM-PX 3000		2900	2,2	250	72	122	97

L-TEC INTERNAL FILTER CARTRIDGE

ITEM: H5412

The spare part consists of a high performance cartridge in class F9. The clogged Filter Detection Device, installed on the blast chiller, warns the user, blinking, that 15% of the filters remain active, thus allowing the time required to order the spare part. The replacement of this part is done simply by removing the body of the post filter, accessing the cover of the base body, unscrewing the screws that fix the cover and extracting the cardridge complete with filter socks. The new cartridge is assembled by repeating the operation in the opposite direction.

Tech. Code	GR71 Euro	Replacement recommended every	Compatible with Model
H5412KIT1	25,00	2000 h	AFM 500
H5412KIT2	30,00		AFM 1000
H5412KIT3	40,00		AFM 2000
H5412KIT4	(52,00)		AFM 3000

TO ORDER SPARE PARTS OF BLAST CHILLER ACCESSORIES IT IS NECESSARY TO ALWAYS SUPPLY THE NUMBER AND SERIES OF THE MACHINE

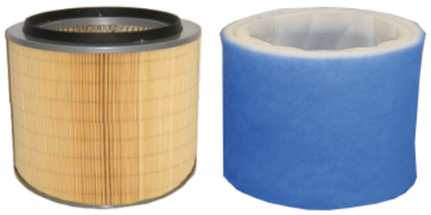
Indivisible package Suggested retail package - Unit price

SYNTHETIC FILTER KIT FOR INTERNAL CARTRIDGE OF MIST ASPIRATORS

AFM NEW

ITEM: H5415

The spare part is composed of a pair of tubular filters placed on the filtering cartridge with coalescence. The spare part lasts more than 3000 hours when used correctly. The Clogged Filter Detection Device installed on the electric panel of the aspirator flashes to alert the user that only 15% of filter operability is left allowing ample time to order the spare part. To replace this part, open the door of the Post-Filter and pull out the filters from the rails; next access the base body cap, unscrew the screws that secure the cover and remove the metal cartridge together with the tubular synthetic filters and lastly pull out both tubular filters from metal cartridge. To install the new cartridge and the new tubular filters, repeat the procedure in reverse order.



Tech. Code	GR71 Euro	Recommended replacement every	Compatible with Model
H5415500	118,00	2000 h	AFM 500
H54151000	138,00		AFM 1000
H54152000	177,00		AFM 2000
H54153000	(207,00)		AFM 3000

FINAL FILTER CARTRIDGE

AFM NEW

ITEM: H5418

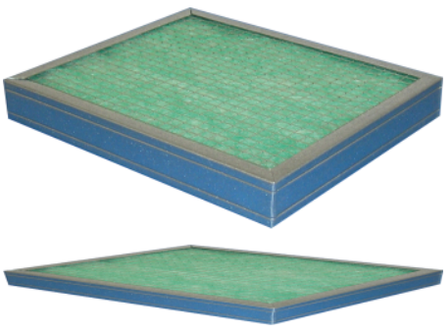
The spare part consists of a filter element of superior quality, in class H10. The clogged Filter Detection Device, installed on the oil mist collector, warns the user, blinking that 15% of the filters remain active, thus giving the necessary time to order the spare part. The replacement of this part is carried out by opening the Post-filter door and extracting the exhaust filter from the tracks. The assembly of the new part is carried out by repeating the operation in the opposite direction.

Tech. Code	GR71 Euro	Recommended replacement every	Compatible with Model
H5418500	177,00	2000 h	AFM 500
H54181000	197,00		AFM 1000
H54182000	226,00		AFM 2000
H54183000	(330,00)		AFM 3000

PRE-FILTER SYNTHETIC CELLS FOR MIST ASPIRATORS

ITEM: H5422

The spare part is composed of a pair of synthetic filters mounted on a metal frame, except for the 500 model which has only one filter. The spare part lasts more than 1500 hours when used correctly. The Clogged Filter Detection Device installed on the electric panel of the aspirator flashes to alert the user that only 15% of filter operability is left allowing ample time to order the spare part. To replace this part, open the door of the Pre-Filter and pull out the filters from the rails. To install the new part, repeat the procedure in reverse order.



Tech. Code	GR71 Euro	Replacement recommended every	Compatible with Model
H5422RIC1	21,00	1500 h	AFM 500
H5422RIC2	39,00		AFM 1000
H5422RIC3	65,00		AFM 2000
H5422RIC4	(85.00)		AFM 3000

TO ORDER SPARE PARTS OF BLAST CHILLER ACCESSORIES IT IS NECESSARY TO ALWAYS SUPPLY THE NUMBER AND SERIES OF THE MACHINE

OIL MIST COLLECTORS FOR NEAT OIL

AFM NEW

ITEM: H5430

New solution of superior quality to eliminate oil mists, fumes and vapors generated by mechanical processing with the use of neat oils.Innovative integrated "SELF-CLEANING" centrifugal system for effective removal of the polluting particles directly at the source, which significantly increases the life of the subsequent filters.Moduler Post filters with a high filtering surface, suitable for eliminating microbursts, oil fumes and harmful fumes, guarantee an emission reduction efficiency up to 99.98% (according to EN 779 - EN1822 standards).Moreover, their versatility is able to solve all customer needs at 360 °.Maintenance costs halved thanks to innovative abatement systems and healthier and cleaner working environments, in compliance with current regulations on hygiene and safety in industrial work environments (Legislative Decree 25/02 - Legislative Decree 626-94). Supply voltage 400 V / 50 Hz three-phase.
Complete with filter clogging detection device.

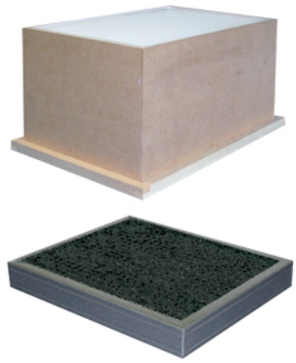
THE MACHINE IS SUPPLIED WITH A UNIVERSAL INSTALLATION KIT.

Tech. Code	GR71 Euro	Model	Suction system	Suction m³/h	Power kw	ø Suction mm	Noise level dBA	Static pressure mm/H2O	Weight Kg
H5430500	(2895,00)	AFM-PFH 500	Centrifugal + Mechanical	470	0,37	125	62	84	50
H54301000	(3390,00)	AFM-PFH 1000		950	0,55	150	64	89	65
H54302000	(3940,00)	AFM-PFH 2000		1920	1,1	200	68	96	80
H54303000	(4450,00)	AFM-PFH 3000		2900	2,2	250	72	122	97

SYNTHETIC CELLS + FILTERING CARTRIDGES FOR MIST ASPIRATOR FROM WHOLE CUTTING

ITEM: H5457

The spare part is composed of a pair of synthetic filters mounted on a metal frame, except for the 500 model which has only one filter. The spare part lasts more than 1000 hours when used correctly. The Clogged Filter Detection Device installed on the elctric panel of the aspirator flashes to alert the user that only 15% of filter operability is left llowing ample time to order to spare part. To replace this part, open the door of the Post-Filter and pull out the filters from the rails. To install the new part, repeat the procedure in reverse order.



Tech. Code	GR71 Euro	Recommended replacement every	Compatible with Model
H5457KIT1	(376,00)	1000 h	AFM 500
H5457KIT2	(452,00)		AFM 1000 and AFM 1500
H5457KIT3	(528,00)		AFM 2000 and AFM 2500
H5457KIT4	(863,00)		AFM 3000

BASE STAND INSTALLATION KIT FOR MIST COLLECTORS

AFM NEW

ITEM: H5466

The base stand kit consists of a 1 meter or 2 meter high base stand with 4 anti-vibration feet and a condensation tank. This kit allows you to install the blast chiller even in situations where it is not possible to mount it on the machine tool.With the 1 meter high kit the blast chiller remains at a height where it is possible to carry out ground maintenance operations.

Tech. Code	GR71 Euro	Base stand height m
H54661000	(395,00)	1
H54662000	(395,00)	2

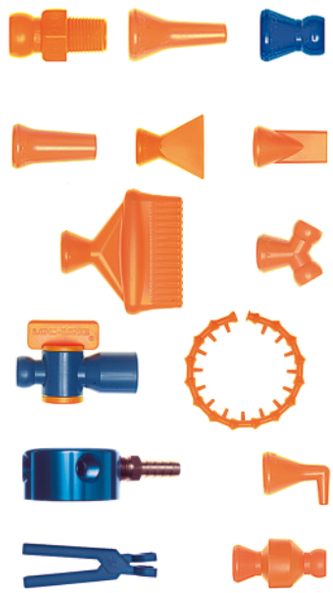
TO ORDER SPARE PARTS OF BLAST CHILLER ACCESSORIES IT IS NECESSARY TO ALWAYS SUPPLY THE NUMBER AND SERIES OF THE MACHINE

Indivisible package Suggested retail package - Unit price

LOC-LINE MODULAR FLEXO HOSE 1/4”

ITEM: H6060

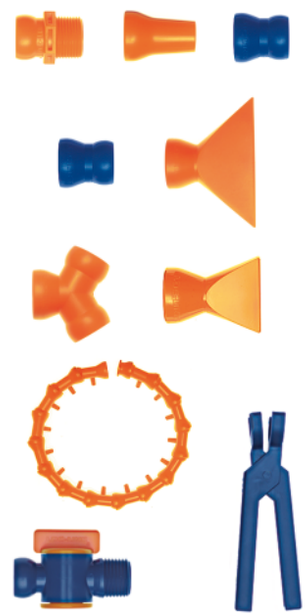
Tech. Code	GR70 Euro	Supplier code	Description
H606001	16,90	40413	Standard pack of 20 modular segments 3 nozzles Ø 1.6 - 3.17 to 6.35 2 connections 1/4" and 1/8" NPT Total length. 330 mm
H606002	0,64	41401/1	1/4" segment
H606003	2,20	41402/1	Nozzle ø 16
H606004	2,20	41403/1	Nozzle ø 3.17
H606005	2,20	41404/1	Nozzle ø 6.35
H606006	6,40	41407/1	Flat nozzle 24 x 0.8
H606007	6,40	41489/1	Flat direct flow nozzle 25 x 1.3
H606008	9,40	41481/1	16-hole flat nozzle ø 1
H606009	9,40	41482/1	16-hole flat nozzle ø 1.5
H606010	3,30	41483/1	Flat nozzle 11 x 1
H606011	3,30	41484/1	Flat nozzle 11 x 1.5
H606012	3,30	41485/1	5-hole flat nozzle ø 1.5
H606013	3,30	41486/1	7-hole flat nozzle ø 1
H606014	2,20	41405/1	Connection 1/8" NPT
H606015	2,20	41406/1	Connection 1/4" NPT
H606016	6,40	41408/1	6 mm Y-coupling
H606017	2,60	41470/1	90° nozzle ø 1.6
H606018	32,90	41479	15 assembled radial nozzles and 1 cap package
H606019	9,40	21191/1	1/4" valve
H606020	9,40	21192/1	Flow regulator 1/4" NPT male
H606021	9,40	21193/1	Flow regulator 1/4" NPT female
H606022	9,40	21194/1	Intermediate flow regulator for 6 mm hose
H606023	89,00	40400	Magnetic base with 4 1/4" outputs
H606024	22,90	78001	Pliers 1/4"
H607019	40,40	78003	2 pliers 1/4" and 1/2" package



LOC-LINE MODULAR FLEXO HOSE 1/2”

ITEM: H6070

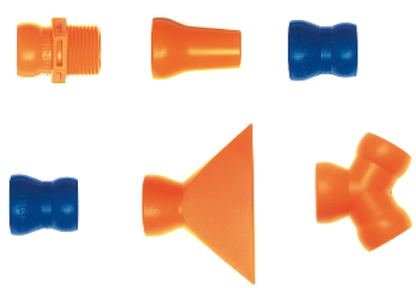
Tech. Code	GR70 Euro	Supplier code	Description
H607001	19,40	50813	Standard pack of 12 modular segments 3 nozzles Ø 6.35 - 9.3 - 12.7 2 connections 1/2" and 3/8" NPT Total length. 330 mm
H607002	1,30	51801/1	1/2" segment
H607003	2,50	51806/1	Nozzle ø 6.35
H607004	2,50	51802/1	Nozzle ø 9.3
H607005	2,50	51803/1	Nozzle ø 12.7
H607006	6,80	51807/1	Flat nozzle 32 x 4.5
H607007	7,30	51809/1	Flat nozzle 60 x 3
H607008	2,50	51804/1	Connection 3/8" NPT
H607009	2,50	51805/1	Connection 1/2" NPT
H607010	6,80	51808/1	12 mm Y-coupling
H607011	6,80	51822/1	Y-Reducer from 1/2" to 1/4"
H607012	6,80	51821/1	Reducer from 1/2" to 1/4"
H607014	11,20	32091/1	1/2" valve
H607015	11,20	32092/1	Flow regulator 1/2" NPT male
H607016	11,20	32093/1	Flow regulator 1/2" NPT female
H607017	11,20	32094/1	Intermediate flow regulator for 1/2" hose
H607018	22,90	78002	Pliers 1/2"
H607019	40,40	78003	2 pliers 1/4" and 1/2" package



LOC-LINE MODULAR FLEXO HOSE 3/4”

ITEM: H6080

Tech. Code	GR70 Euro	Supplier code	Description
H608001	24,30	60513	Standard pack of 12 modular segments 2 nozzles Ø 16 - 20 1 connection 3/4" NPTNPT Total length. 350 mm
H608002	1,50	61501/1	3/4" segment
H608003	8,30	61507/1	Flat nozzle 75 x 5
H608004	8,30	61511/1	20 mm Y-coupling



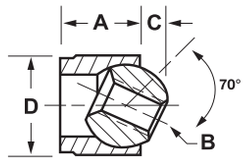
H

NOZZLE FOR SB LATHES – 10 BARS

ITEM: H6085

Nozzles to be pressed, just drill and ream with H9 tolerance.
Nozzles with threaded hole for use with SBT-ST ET nozzles and pipe.

Acetal resin body - Stainless steel sphere - Max. operating temperature 70°



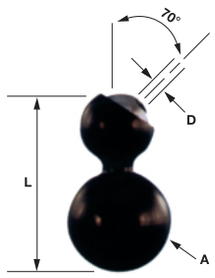
Tech. Code	GR70 Euro	Supplier code	Thread B	D mm	A mm	C mm
H608510	21,90	SB 9510	M4 x 0.7	10	7	2
H608512	22,80	SB 9520	M5 x 0.8	12	8	2.5
H608514	25,40	SB 9530	M6 x 1	14	10	3
H608515	25,40	SB 9540		15	6	

NOZZLE FOR CNC LATHES – 10 BARS

ITEM: H6093

Nozzles for CNC lathes, ideal for employment when it is not possible to use standard nozzles with spheres.

Acetal resin body - Stainless steel sphere - Max. operating temperature 70°



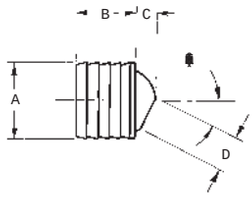
Tech. Code	GR70 Euro	Supplier code	Diameter A mm	D mm	L mm
H609312/4	29,90	BU 2310	12	4	28
H609314/4	29,90	BU 2320	14		30.5
H609315/4	29,90	BU 2330	15		31

NOZZLE FOR JJ LATHES – 10 BARS

ITEM: H6094

These nozzles are particularly suited for special applications on equipment and tool machines.
Just drill a passage for the liquid, ream the hole with a tolerance of 0 + 0.05 and then press the nozzle in the seat obtained.

Acetal resin body - Stainless steel sphere - Max. operating temperature 70°



Tech. Code	GR70 Euro	Supplier code	Diameter A mm	D mm	B mm	C mm	E Degrees
H60948	20,20	JJ 0119	8	3.2	6.35	1.5	35°
H609410	20,80	JJ 0113	10	4	8	2	

Indivisible package Suggested retail package - Unit price

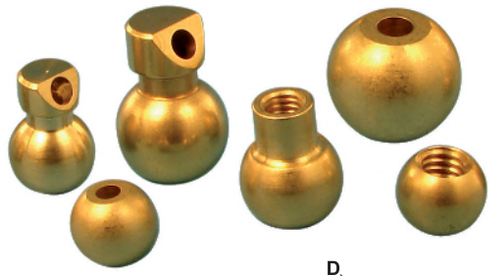
NOZZLE FOR LATHES – 33 BARS

ITEM: H6095

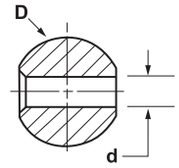
Nozzles with brass sphere and smooth threaded hole, ideal for CNC lathes.

Brass sphere – Max operating temperature 150°

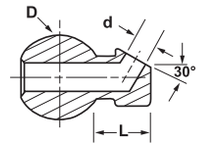
Tech. Code	GR70 Euro	Supplier code g	Diameter D mm	d mm	L mm	Hole
H609510/4	(14,20)	BB 1007	10	4	-	Plain straight hole
H609512/4	(19,60)	BB 1024	12			
H609514/4	(19,70)	BB 1037	14			
H609515/4	(20,70)	BB 1049	15			
H609512/4A	(26,60)	BB 1021	12		9.15	Plain angled hole
H609514/4A	(28,30)	BB 1034	14			
H609515/4A	(28,90)	BB 1046	15			
H609510M6	(16,40)	BB 1001	10	M6 x 1	0	Straight threaded hole
H609512M5	(21,20)	BB 1018	12	M5 x 0.8	6	
H609514M6	(23,20)	BB 1031	14	M6 x 1	7.9	
H609515M6	(23,80)	BB 1043	15			
H609522M6	(27,60)	BB 1065	22			



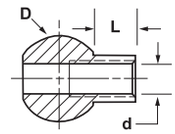
Plain straight hole



Plain angled hole



Straight threaded hole



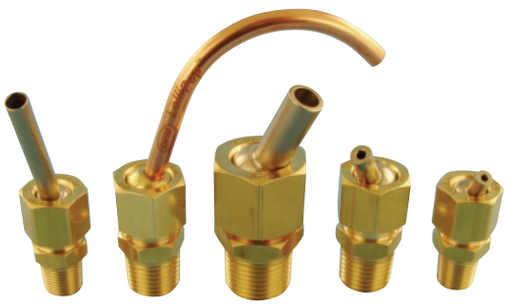
NOZZLE FOR LATHES – 100 BARS

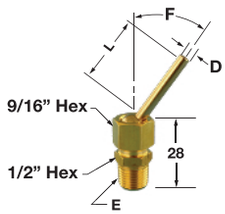
ITEM: H6097

Nozzles for high-pressure CNC machines.

Brass body – Stainless steel sphere and extension - Max. operating temperature 150°

Tech. Code	GR70 Euro	Supplier code	Thread E	D mm	L mm	F Degrees
H60973	(47,10)	LJ 18130	1/8" NPT	2.2	6.35	33°
H60974	(52,80)	LJ 18140			31.7	28°
H60975	48,70	LJ 18150		3.0	12.7	33°
H60976	52,80	LJ 18160			31.7	28°
H60977	55,40	LJ 18165			152	
H60978	48,70	LJ 18170		4.0	12.7	
H60979	(52,80)	LJ 18180			31.7	





1/8" NPT

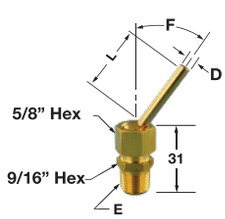
NOZZLE FOR LATHES – 100 BARS

ITEM: H6098

Nozzles for high-pressure CNC machines.

Brass body – Stainless steel sphere and extension - Max. operating temperature 150°

Tech. Code	GR70 Euro	Supplier code	Thread E	D mm	L mm	F Degrees
H60988	(53,90)	LJ 18260	1/4" NPT	3.0	12.7	33°
H60989	(58,00)	LJ 18265			31.7	
H609810	(53,90)	LJ 18270		5.6	12.7	27°
H609811	(58,00)	LJ 18275			31.7	



1/4" NPT

Indivisible package Suggested retail package - Unit price