

# 15

## VIBRATION PRODUCTS



		
<b>888</b> Pneumatic Rotary Vibrators	<b>889</b> Pneumatic Linear Vibrators	<b>890</b> Aerators & Nozzles

## COOLANT LINES




<b>891</b> Coolant Lines

## GARAGE EQUIPMENT




<b>892</b> Tyre Inflation Equipment



	
<b>894</b> Tyre Inflation Equipment	<b>896</b> Motor Accessories




<b>897</b> Fuelling Equipment



		
<b>899</b> Manual Greasing Equipment	<b>901</b> Air Operated Greasing Equipment	<b>902</b> Lubrication Accessories



			
<b>903</b> Oil Transfer Equipment	<b>905</b> Air Operated Diaphragm Pumps	<b>906</b> Oil Transfer Equipment & Accessories	<b>909</b> Fuel & AdBlue Handling Equipment & Accessories



	
<b>911</b> Lubrication Accessories	<b>911</b> Liquid Mixers




<b>912</b> Metal & Polyethylene Dispensing Aids

## GARAGE & ANCILLARY EQUIPMENT

A wide range of adhesives, aerosols, compressors, air receivers, garage equipment, vibration products, tools and PPE are available in this section.

# GARAGE & ANCILLARY EQUIPMENT

## COMPRESSORS & AIR RECEIVERS



New Additions



**916**  
Silent  
Compressors  
Oil Lubricated



**918**  
Oil Free  
Compressors  
& Accessories



**919**  
Oil Free  
Compressors  
with Dryer



**919**  
Oil Free  
Compressors  
with Dryer &  
Silbox



**920**  
Air Receivers  
& Accessories

## ADHESIVES & AEROSOLS



**921**  
Adhesives &  
Sealants



New Additions



**924**  
Adhesives &  
Sealants



**925**  
Cleaners



**927**  
Lubricants



**929**  
Paints



**929**  
Metal Working

## OILS & SUNDRIES



New Additions



**931**  
Multi-use &  
3 in One  
Products



**933**  
Oils & Sundries



**934**  
Seal Kits &  
Washers



**935**  
Heat Shrink  
& Protective  
Sleeve  
Dispensers

New Additions



**935**  
Cable Ties



**936**  
Cutters



**936**  
PVC Tape

## PPE



New



**937**  
Strip Curtains



**939**  
Respirators



**940**  
High Visibility  
Workwear &  
Safety Headwear



**941**  
Ear & Eye  
Protection



**942**  
Gloves &  
Gauntlets

## PNEUMATIC ROTARY VIBRATORS

SERIES	APPLICATIONS	POWDERS	FEATURES	BENEFITS
 Ball Vibrators <b>S</b>	Silos, hoppers, piping, chutes, compacting.	<b>Dry powders:</b> granules, plastics, sand, ashes, cement, lime.	Filter sleeve cleaning. Suitable for outdoor use. Resistant to oxidation. ATEX II2G c Tx ATEX II2D c Tx	Economical. Low air consumption. High frequency vibration.
 Roller Vibrators <b>OR</b>	Silos, hoppers, piping, chutes, concrete compaction.	<b>Hygroscopic powders:</b> cement, concrete, sand, foundry sand.	Compact & robust design. Suitable for outdoor use. Resistant to oxidations. ATEX II2G c Tx ATEX II2D c Tx	High centrifugal force. Low air consumption. High frequency vibration. Suitable for high temperature.
 Turbine Vibrators <b>OT</b>	Silos, hoppers, piping, chutes.	<b>Food powders:</b> sugar, bicarbonate, phosphate, sodium.	Suitable for food & pharmaceutical applications. Resistant to oxidation. ATEX II2G c Tx ATEX II2D c Tx	High centrifugal force. High frequency vibration. Lubrication free. Silent. Low air consumption.

## ROTARY BALL VIBRATORS

### DESCRIPTION

The frequency is variable by adjusting the inlet pressure. Rotary ball vibrators 'S-type' are available in eight sizes. No maintenance required.

### APPLICATIONS

- Bins & hoppers
- Compacting
- Separation

For activation, a 3/2 way electrovalve & filtered compressed air is required.



## ROTARY BALL VIBRATORS S-TYPE



6200

PART NUMBER	FORCE (KG) AT 6 BAR
OL-S8	36
OL-S10	71
OL-S13	87
OL-S16	110
OL-S20	172
OL-S25	205
OL-S30	321
OL-S36	405

## UNBALANCED ROTOR VIBRATORS

### DESCRIPTION

Vibration is generated by a rotor, which describes an epicycloidal movement inside a steel race. OR vibrators generate a very high frequency with low consumption compared to the force given.

### APPLICATIONS

- Bins & hoppers
- Moulding dies
- Compacting
- Separation
- Foundries



For activation, a 3/2 way electrovalve & filtered compressed air is required.

## UNBALANCED ROTOR VIBRATORS OR-TYPE



6200

PART NUMBER	FORCE (KG) AT 6 BAR
OL-OR50	355
OL-OR65	552
OL-OR80	624
OL-OR100	783

## TURBINE VIBRATORS

### DESCRIPTION

Vibration is generated by a strongly unbalanced turbine, which rotates on two oversized ball bearings. OT vibrators develop a high work moment & a high vibration frequency. Vibrations present a large amplitude, even with low operating pressure.

### APPLICATIONS

- Food & pharmaceutical industries
- Bins & hoppers
- Screens

For activation, a 3/2 way electrovalve & filtered compressed air is required.



## TURBINE VIBRATORS OT-TYPE



6200

PART NUMBER	FORCE (KG) AT 6 BAR
OL-OT8	292
OL-OT10	252
OL-OT10S	187
OL-OT13	300
OL-OT16	264
OL-OT16S	234
OL-OT20	526
OL-OT25	508
OL-OT25S	483
OL-OT30	781
OL-OT36	749
OL-OT36S	754

## PNEUMATIC LINEAR VIBRATORS

	SERIES	APPLICATIONS	POWDERS	FEATURES	BENEFITS
	Single Impact <b>PS</b>	Silos, storage systems, hoppers.	<b>Hygroscopic powders:</b> flour, detergents, phosphates, fertilisers, lime, cement, clay, pigments.	High impact strength solves bridging or rat holing problems. ATEX II3D c T85 °C (available with only pneumatic activation).	Economical. Low air consumption. Efficient. Zero impact on silo structure. Multi-voltage. Integrated solenoid valve. Timer.
	Continuous Impact <b>P</b>	Silos, hoppers, piping, salt spreaders, dump trucks, rail cars.	<b>Hygroscopic, humid powders:</b> sludge, aggregates, sand, salt, foundry sand, animal feed.	Sturdy, compact heavy duty design, high temperature applications. ATEX II2G c Tx. ATEX II2D c Tx	Economical. Low air consumption. Efficient. Suitable for high temperature & outdoor applications.
	Cushioned <b>K</b>	Silos, hoppers, piping, tanks, compacting, vibrating feeders, tables & channels.	<b>Hygroscopic or dusty powders, granules:</b> animal feed, aggregates, plastics, foods.	Suitable for food or chemical applications. Suitable for dusty environments. ATEX II2G c Tx. ATEX II2D c Tx	Economical. Silent. Low air consumption. Easy to install.

## SINGLE IMPACT VIBRATORS

### DESCRIPTION

The PS series hammers produce a high impact force thanks to a single impact between the internal piston & the metal base welded on the walls of silos & hoppers. This action is particularly effective in moving powders that tends to compact under pressure or to adhere to the walls, as well as the majority of granular & bulk materials. For this reason the PS series products represent the ideal solution to the problems of formation of bridges & rat-holing.

### APPLICATIONS

- Hopper & silo

### SPECIFICATIONS

Duty cycle	Discontinuous
Working pressure	3 bar to 6 bar (43 psi to 87 psi)
Working temperature	-20°C to 80°C (-4°F to 176°F)
Pneumatic circuit	Filter + flow control valve
Air supply quality	Class 5.4.1
Maximum noise level	125 dBA
Technology	Single impact
Materials	Aluminium body, steel attachment plate, aluminium head

**PS Vibrators require a solenoid valve or a pneumatic kit to operate**

## CONTINUOUS IMPACT VIBRATORS

### DESCRIPTION

The pneumatic vibrators of the P range produce an extremely high linear impact force. This is possible thanks to the impact of a piston, positioned inside the body, on the metal base welded directly on the external wall of the hopper. P is extremely effective in preventing the formation of scale, bridges, rat-holing, lumps or deposits of material on the walls.

### APPLICATIONS

- Hopper silo
- Salt spreader
- Dump trailer
- Rail cars or rail wagons

### SPECIFICATIONS

Duty cycle	Continuous
Working pressure	2 bar to 6 bar (29 psi to 87 psi)
Working temperature	-20°C to +200°C (-4°F to +392°F) without ATEX kit -20°C to +110°C (-4°F to +230°F) with ATEX kit
Pneumatic circuit	Filter + flow control valve + lubrication + 3/2 ways valve N.C.
Air supply quality	Class 5.4.4
Maximum noise level	100 dBA
Technology	Piston impact
Materials	Grey cast iron body (powder painted) aluminium cover



### SINGLE IMPACT PNEUMATIC LINEAR VIBRATORS TYPE A ≤ 3 MM HOPPER THICKNESS

6200

PART NUMBER	FORCE (N) AT 6 BAR	AIR INLET
OL-PS40A	429	1/8" BSPP
OL-PS63A	1268	1/4" BSPP
OL-PS80A	2186	1/4" BSPP

### TYPE B > 3 MM HOPPER THICKNESS

OL-PS40B	429	1/8" BSPP
OL-PS63B	1268	1/4" BSPP
OL-PS80B	2186	1/4" BSPP

## CONTINUOUS IMPACT VIBRATORS

### DESCRIPTION

The pneumatic vibrators of the P range produce an extremely high linear impact force. This is possible thanks to the impact of a piston, positioned inside the body, on the metal base welded directly on the external wall of the hopper. P is extremely effective in preventing the formation of scale, bridges, rat-holing, lumps or deposits of material on the walls.

### APPLICATIONS

- Hopper silo
- Salt spreader
- Dump trailer
- Rail cars or rail wagons

### SPECIFICATIONS

Duty cycle	Continuous
Working pressure	2 bar to 6 bar (29 psi to 87 psi)
Working temperature	-20°C to +200°C (-4°F to +392°F) without ATEX kit -20°C to +110°C (-4°F to +230°F) with ATEX kit
Pneumatic circuit	Filter + flow control valve + lubrication + 3/2 ways valve N.C.
Air supply quality	Class 5.4.4
Maximum noise level	100 dBA
Technology	Piston impact
Materials	Grey cast iron body (powder painted) aluminium cover

### CONTINUOUS IMPACT PNEUMATIC LINEAR VIBRATORS

6200

PART NUMBER	FORCE (N) AT 6 BAR	VPM AT 6 BAR	INLET / OUTLET
OL-P25	954	4500	1/4"
OL-P40	1396	2800	3/8"
OL-P60	3250	1900	1/2"

**Supplied without fixing plates. Available on request.  
Please contact your local distributor for further information.**



## PNEUMATIC LINEAR VIBRATORS

### CUSHIONED VIBRATORS

#### DESCRIPTION

In pneumatic vibrators K series, the vibration is generated by the linear movement of a floating piston without impact between the internal surfaces. They represent an excellent solution to rat holes as well as for internal applications that require a noise level below 80 dBA.

#### APPLICATIONS

- Hopper silo
- Compaction
- Vibrating feeder
- Table & channel

#### SPECIFICATIONS

Duty cycle	Continuous
Working pressure	2 bar to 6 bar (29 psi to 87 psi)
Working temperature	-20°C to 130°C (-4°F to 266°F)
Pneumatic circuit	Filter + flow control valve + lubrication + 3/2 ways valve N.C.
Air supply quality	Class 5.4.4
Maximum noise level	80 dBA
Technology	Piston cushioned
Materials	Aluminium body & Ixef® cover



### CUSHIONED PNEUMATIC LINEAR VIBRATORS

6200

PART NUMBER	FORCE (N) AT 6 BAR	INLET / OUTLET
OL-K30	341.1	1/4" / 1/4" BSPP
OL-K45	705.9	1/4" / 3/8" BSPP
OL-K60	2123.7	1/2" / 1/2" BSPP

## AERATORS & NOZZLES

	SERIES	APPLICATIONS	POWDERS	FEATURES	BENEFITS
	Bin Aerators VB	Silos, hoppers, pipes, dry bulk tank trailers, dry bulk rail tankers.	<b>Suitable for dry, fine powders:</b> Cement, lime, pigments, plastics, starch, flour, sugar, coffee.	Compatible with foods & chemicals.	Economical. Easy to install. Efficient. Durable. Available in two sizes: MICRO or standard. External mounting.
	Aeration Nozzles U	Silos, hoppers.	<b>Suitable for dry, fine powders:</b> Cement, lime.	Low air consumption (0.2–1 bar pressure) Create fluid bed.	Economical. Easy to install. Compact design. Suitable for retrofitting. External mounting.

### VIBRATING BIN AERATORS

#### DESCRIPTION

Vibrating Bin Aerator types VB, VBE, VBI & VBM combine product aeration under operating pressure reaching 6 bar (87 psi), with an additional slight vibration on the silo wall (see data sheet for sizing, positioning & number of aerators). Due to its design, damage of the silo is impossible, even with abrasive materials. An additional backstop valve is not required as, due to the working pressure of 2 to 6 bar (29 to 87 psi), no material can enter the zone beneath the elastic FDA approved silicon lip. OLI® vibrating bin aerators are used for the improvement of mass flow with powders & granular materials. Thanks to FDA approval, the vibrating bin aerators are suitable for food grade applications. To meet the most demanding user requirements, a stainless steel shaft version (VBI) is available.

#### FUNCTION

Compressed air is introduced into the stored material through the silicon lip, which adheres to the inside silo wall. By varying the work pressure within a range between 2 & 6 bar (29 to 87 psi), the intensity of vibration of the elastic silicon lip can be changed. Due to interval operation & a maximum operation time of five seconds, air consumption is very low.



### VIBRATING BIN AERATORS

6200

PART NUMBER	DESCRIPTION	CFM AT 6 BAR
OL-VBM	Miniature	4.23
OL-VB	Bin aerator	8.82
OL-VBI	Stainless shaft FDA approved	8.82

Minimum order quantities apply. Please ask at time of ordering.

## PNEUMATIC IMPACT NOZZLES

#### DESCRIPTION

U025 & U060 aeration nozzles can be easily fitted on bins or silos from outside, which makes them particularly suitable for retrofitting or in cases where the inside of a bin or silo cannot be accessed.

#### FUNCTION

The plastic insert, with the sintered metal nozzle, is screwed into the steel nipple, which has been previously welded on the outside of the bin or silo. Then the connection with the compressed air line has to be carried out. U025 & U060 aeration nozzles are used with fine powdery materials at a working pressure of 0.2 bar (3 psi). Decades of experience have shown that virtually all materials can be successfully fluidised at intermittent operation, according to Pulse-Jet or Felder System.



### AERATION NOZZLES

6200

PART NUMBER	OPERATING PRESSURE
OL-U025	0.2 bar
OL-U060	1.0 bar

Minimum order quantities apply. Please ask at time of ordering.

## FEATURES

- Flexible coolant hose system
- Dimensionally stable through tight fitting components. Will not alter under pressure or machine vibrations
- Resistant to chemicals & solvents, non-conductive
- Compatible with competitive systems
- Coolant nozzles are ideally suited for positioning & distributing fluids & air
- Good tolerance to corrosion & chemicals
- Good anti-conductivity
- Variable flow direction
- Lightweight

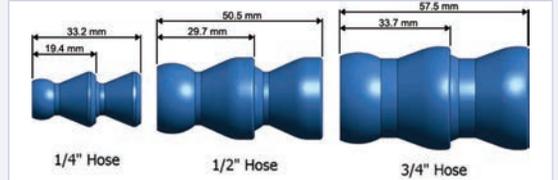
## APPLICATIONS

Cooling & cleaning in the following industries:

- Sawing
- Milling
- Drilling
- Grinding
- Turning

## SPECIFICATIONS

Maximum flow rate	16 l/min (to avoid hose jetting)
Pressure rating	2 – 3 bar (30 – 50 psi)
Inside diameter	1/4"
Materials	Made from plastics to be semi permanent & lightweight.



## SINGLE KNUCKLE JOINT



3760

PART NUMBER	KNUCKLE JOINT	KNUCKLE LENGTH
CDOEL04-H04	1/4"	19.4 mm
CDOEL08-H08	1/2"	29.7 mm
CDOEL12-H12	3/4"	33.7 mm

## BSPT MALE WITH KNUCKLE JOINT



3760

PART NUMBER	MALE THREAD	KNUCKLE JOINT	KNUCKLE LENGTH
CDOEL04-PT02	1/8" BSPT	1/4"	19.4 mm
CDOEL04-PT04	1/4" BSPT	1/4"	19.4 mm
CDOEL08-PT06	3/8" BSPT	1/2"	29.7 mm
CDOEL08-PT08	1/2" BSPT	1/2"	29.7 mm
CDOEL12-PT12	3/4" BSPT	3/4"	33.7 mm

## ROUND NOZZLE WITH KNUCKLE JOINT



3760

PART NUMBER	NOZZLE	KNUCKLE JOINT	KNUCKLE LENGTH
CDOEL04-RN02	1/8"	1/4"	19.4 mm
CDOEL04-RN04	1/4"	1/4"	19.4 mm
CDOEL08-RN04	1/4"	1/2"	29.7 mm
CDOEL08-RN06	3/8"	1/2"	29.7 mm
CDOEL12-RN10	5/8"	3/4"	33.7 mm

## FAN NOZZLE WITH KNUCKLE JOINT



3760

PART NUMBER	NOZZLE	KNUCKLE JOINT	KNUCKLE LENGTH
CDOEL04-FN16	1"	1/4"	19.4 mm
CDOEL08-FN20	1 1/4"	1/2"	29.7 mm
CDOEL08-FN40	2"	1/2"	29.7 mm
CDOEL12-FN48	3"	3/4"	33.7 mm

## 16 HOLE FAN NOZZLE WITH KNUCKLE JOINT



3760

PART NUMBER	HOLE DIAMETER	KNUCKLE JOINT	KNUCKLE LENGTH
CDOEL04-16HN-1MM	1.0 mm	1/4"	19.4 mm
CDOEL04-16HN-1.5MM	1.5 mm	1/4"	19.4 mm

## BALL VALVE WITH KNUCKLE JOINT



3760

PART NUMBER	BALL VALVE	KNUCKLE JOINT	KNUCKLE LENGTH
CDOEL04-V04	1/4"	1/4"	19.4 mm
CDOEL08-V08	1/2"	1/2"	29.7 mm

## Y JUNCTION WITH KNUCKLE JOINT



3760

PART NUMBER	Y JUNCTION	KNUCKLE JOINT	KNUCKLE LENGTH
CDOEL04-YF04	2 x 1/4"	1/4"	19.4 mm
CDOEL08-YF08	2 x 1/2"	1/2"	29.7 mm

## DOUBLE UNION WITH KNUCKLE JOINT



3760

PART NUMBER	KNUCKLE JOINT	KNUCKLE LENGTH
CDOEL04-DS04	1/4"	19.4 mm
CDOEL08-DS08	1/2"	29.7 mm

## REDUCING Y JUNCTION WITH KNUCKLE JOINT



3760

PART NUMBER	Y JUNCTION	KNUCKLE JOINT	KNUCKLE LENGTH
CDOEL08-YR0804	2 x 1/4"	1/2"	29.7 mm

## PLIERS



3760

PART NUMBER	DESCRIPTION
CDOELP1418	1/4"
CDOELP1238	1/2"
CDOELP34	3/4"



### FEATURES / BENEFITS

- Includes Certificate of Calibration
- Multiscale analogue bar gauge
- Accuracy exceeds EC Standards
- Tough die cast aluminium housing
- Wire sheathed hose eliminates kinking
- Impact absorbing bumpers
- Comfortable rubber grip on chuck handle

### SPECIFICATIONS

Reading accuracy	± 0.1 bar @ 1.7 – 5 bar (± 2 psi @ 25 – 75 psi)
Max. inflation pressure	9.6 bar (138 psi)
Max. inlet pressure	13.8 bar (200 psi)
Inflation speed / flow rate	500 l/min @ 13 bar (188 psi)



New

### TDR2000 TYRE INFLATOR

6130

PART NUMBER	HOSE LENGTH	VALVE CONNECTION
TI-102000	0.5 m (21")	Twin hold-on
TI-1020004	1.8 m (6 ft)	Single clip-on
TI-1020005	1.8 m (6 ft)	Twin clip-on

### FEATURES / BENEFITS

- Includes Certificate of Calibration
- Multiscale gauge
- Large backlit digital display
- Accuracy exceeds EC Standards
- Auto ON upon pressure sensing
- Auto OFF after 9 seconds
- Tough die cast aluminium housing
- Wire sheathed hose eliminates kinking
- Impact absorbing bumpers
- Comfortable rubber grip on chuck handle

### SPECIFICATIONS

Reading accuracy	± 0.1 bar @ 1.7 – 5 bar (± 2 psi @ 25 – 75 psi)
Max. inflation pressure	12 bar (174 psi)
Max. inlet pressure	13.8 bar (200 psi)
Inflation speed / flow rate	500 l/min @ 13 bar (188 psi)



New

### TDR3000 TYRE INFLATOR DIGITAL

6130

PART NUMBER	HOSE LENGTH	VALVE CONNECTION
TI-103012	0.5 m (21")	Hold-on
TI-1030123	1.8 m (6 ft)	Clip-on
TI-1030122	2.7 m (9 ft)	Clip-on

### FEATURES / BENEFITS

- Includes Certificate of Calibration
- Multiscale gauge
- Large tilted LCD backlit display
- Accuracy exceeds EC Standards
- Auto ON upon pressure sensing
- Auto OFF after 90 seconds
- Tough, lightweight diecast aluminium internal body with composite outer casing
- Wire sheathed hose eliminates kinking
- Impact absorbing bumpers
- Lightweight & robust

### SPECIFICATIONS

Reading accuracy	± 0.1 bar @ 1.7 – 5 bar (± 2 psi @ 25 – 75 psi)
Max. inflation pressure	12 bar (174 psi)
Max. inlet pressure	13.8 bar (200 psi)
Inflation speed / flow rate	1200 l/min @ 13.8 bar (200 psi)



New

### TDR4000 TYRE INFLATOR DIGITAL

6130

PART NUMBER	HOSE LENGTH	VALVE CONNECTION
TI-110723	0.5 m (21")	Clip-on
TI-1107232	1.8 m (6 ft)	Clip-on

### FEATURES / BENEFITS

- Includes Certificate of Calibration
- Multiscale gauge
- Accuracy exceeds EC Standards
- Tough, lightweight diecast aluminium internal body with composite outer casing
- Wire sheathed hose eliminates kinking
- Impact absorbing bumper
- Large 80 mm dial gauge
- IP rated

### SPECIFICATIONS

Reading accuracy	± 0.1 bar @ 1.7 – 5 bar (± 2 psi @ 25 – 75 psi)
Max. inflation pressure	12 bar (174 psi)
Max. inlet pressure	13.8 bar (200 psi)
Inflation speed / flow rate	1200 l/min @ 13.8 bar (200 psi)



New

### TDR5000 TYRE INFLATOR DIAL GAUGE

6130

PART NUMBER	HOSE LENGTH	VALVE CONNECTION
TI-110734	0.5 m (21")	Clip-on
TI-1107342	1.8 m (6 ft)	Clip-on

**FEATURES / BENEFITS**

- Rechargeable lithium ion battery
- Fully rechargeable through a USB connection
- Ceramic sensor
- Integrated ergonomic inflate / deflate trigger
- Interchangeable 3 pressure ranges psi, bar, kPa
- 0.5 to 12 bar (7 to 174 psi) Inflation range
- Accuracy exceeds EC86/217 & BSEN 12645:2014
- Auto OFF after 90 seconds of inactivity
- 1.8 m hose with single clip-on connector

**SPECIFICATIONS**

Reading accuracy	± 0.1 bar @ 1.7 – 5 bar (± 2 psi @ 25 – 75 psi)
Max. inflation pressure	12 bar (174 psi)
Max. inlet pressure	13.8 bar (200 psi)
Inflation speed / flow rate	500 l/min @ 13 bar (188 psi)



6130

New

**DIGITEC TYRE INFLATOR RECHARGEABLE**

PART NUMBER	HOSE LENGTH	VALVE CONNECTION
<b>TI-112015</b>	1.8 m (6 ft)	Clip-on

New

**TWIN VALVE CONNECTOR HOLD ON**



6130

PART NUMBER	DESCRIPTION	THREAD
<b>TI-030465</b>	Open end connector	1/4" BSPP
<b>TI-030472</b>	Closed end connector	1/4" BSPP

New

**TWIN VALVE CONNECTOR CLIP ON**



6130

PART NUMBER	DESCRIPTION	THREAD
<b>TI-030435</b>	Open end connector	1/4" BSPP
<b>TI-030435NS</b>	Closed end connector	1/4" BSPP

New

**CLIP ON CHUCK**



6130

PART NUMBER	THREAD
<b>TI-030447</b>	1/4" BSPP

**Do you also need?**



**Hose reels**



Find it on pages 743 – 744, section twelve

### FEATURES / BENEFITS

- Extremely robust aluminium body with protective rubber bumper
- Slimline biomorphic body shape gives increased comfort for the user
- Higher pressure range for multiple applications 4 to 250 psi range
- Permanently backlit in-use, auto off after 25 seconds no-use
- Large screen & clear digits – increasing accuracy & speed of use
- IP54 – can be used indoors & outdoors, saving time, increasing service
- Individually tested & certified against national approved gauges
- Long battery life – 400 hours of use – Replaceable 2 x AAA batteries power unit (supplied)
- 3 units of calibration toggle as standard – psi, bar & kPa
- 2 second button hold for calibration toggle
- Registered design

### SPECIFICATIONS

Operating temperature range	-15°C to 55°C (+5°F to +131°F)
Accuracy exceeds	Compliant with BS EN 12645:2014
Reading accuracy	0.1 psi / 0.01 bar / 1 kPa
Max. inflation pressure	250 psi / 17.2 bar / 1723 kPa
Max. inlet pressure	260 psi / 18.0 bar / 1795 kPa
Inflation speed / flow rate	500 l/min / 18 CFM (@ 190 psi / 13 bar)
Calibration	4 – 250 psi / 0.3 – 17.2 bar / 30 – 1723 kPa



**ACCURA® MK4  
TYRE INFLATOR  
DIGITAL**

8250

PART NUMBER	HOSE LENGTH	VALVE CONNECTION
CADAC403	0.53 m (21")	Twin hold-on
CADAC404	0.53 m (21")	Single clip-on
CADAC405	1.8 m (6 ft)	Twin clip-on
CADAC406	2.7 m (9 ft)	Twin clip-on
CADAC4061	2.7 m (9 ft)	Single clip-on

### FEATURES / BENEFITS

- New viewing window – larger window gives 20% greater field of viewing
- Lighter weight – gauge body weighs 923 g
- Biomorphic shape – ergonomic, easier to use & less prone to damage when dropped
- New valve mechanism – simplified 2 stage mechanism design prevents user having to 'push' against full line pressure on deflate
- New piston & seal design – less drag, reduced friction & less movement inertia means no internal corrosion, no sticking & no skewing of accuracy
- Accuracy standards – tested to over 400,000 cycles at 100% accuracy, meets EC 86/217 & compliant with EN12645:2014

### SPECIFICATIONS

Operating temperature range	-25°C to 55°C (-13°F to +131°F)
Accuracy meets	EC 86/217. Compliant with EN12645:2014
Reading accuracy	0.1 bar / 2 psi
Max. inlet pressure	13.8 bar / 200 psi
Inflation speed / flow rate	500 l/min / 18 CFM (@ 190 psi / 13 bar)



**AIRFORCE® MK4  
TYRE INFLATOR**

8250

PART NUMBER	HOSE LENGTH	VALVE CONNECTION
AFG4H03	0.53 m (21")	Twin hold-on
AFG4H04	0.53 m (21")	Single clip-on

### FEATURES

- Psi, bar & kPa units of pressure selectable by button; last selection saved
- Long battery life with battery level indicator
- Replaceable battery
- Backlight
- Auto power off
- Hand trigger inflate & thumb controlled deflate
- Solid & robust construction

### BENEFITS

- Large, clear, easy to read LCD display with backlight
- Reliable accuracy (+/- 1 psi up to 60 psi, then 2 psi up to 150 psi) with individual testing & certification
- Easy & cost effective to use
- Low & simple maintenance
- Suitable for all applications, including tyre shop environments
- Powered by PCL inflation technology & experience



**TYRE INFLATOR  
HAND HELD – DIGITAL**

8250

PART NUMBER	HOSE LENGTH	TYRE VALVE CONNECTION	CALIBRATION
DTI08	1.8 m	Euro connector	5 – 170 psi 0.34 – 12 bar 34 – 1200 kPa

### AIRFORCE II TYRE INFLATOR

- Complies with EC directive 86/217/EEC & BS EN 12645: 1999
- Calibrated to 0 – 170 psi & 0 – 12 bar
- Modern, lightweight & shock resistant construction
- Individually tested & certified
- Direct valve design increases inflation & deflation rates



8250

**TYRE INFLATOR  
AIRFORCE II**

PART NUMBER	HOSE LENGTH	VALVE CONNECTION
CACAFG1H03	0.53 m (21")	Twin hold-on
CACAFG1H06	2.7 m (9 ft)	Twin clip-on
CACAFG1H08	1.8 m (6 ft)	Euro clip-on

### FEATURES

- Manufactured from solid, heavy duty alloy
- Stamped to show various calibrations with easy to read figures



**TYRE PRESSURE GAUGE  
POCKET TYPE ANGLED HEAD**

8250

PART NUMBER	DESCRIPTION
CACTPG1H01	6 – 50 psi in 1 psi units, 0.5 – 3.4 bar in 0.1 bar units

**FEATURES**

The new & improved air connector has been designed to enhance & bring the PCL connector range into the 21st century. Through extensive in-house & external testing, the new air connector has been proven to be as robust & reliable as ever.

Alloy / steel wheels have got bigger, with intricate designs making the valves more difficult to reach with the human hand.

The new range now consists of standard straight, as well as 90 degree connectors, for those difficult to reach valves, with both hose tail fitting & female threaded versions available.

Manufactured using the finest zinc alloy, aluminium & brass, the air connector boasts a vice-like grip & easy operation, with a simple but effective thumb push button, which quickly releases the tyre valve, reducing non-value added time.

**STRAIGHT SWIVEL  
AUTO CONNECTORS  
OPEN END – HOSETAIL**



8250

PART NUMBER	HOSE BORE SIZE
CACH2K01	7.9 mm (5/16")
CACH2H01	6.35 mm (1/4")

**STRAIGHT SWIVEL  
AUTO CONNECTORS  
OPEN END**



8250

PART NUMBER	INLET
CACH2A01	1/4" BSPP

**ANGLED SWIVEL  
AUTO CONNECTORS  
OPEN END – HOSETAIL**



8250

PART NUMBER	HOSE BORE SIZE
CACH4K01	7.9 mm (5/16")
CACH4H01	6.35 mm (1/4")

**ANGLED SWIVEL  
AUTO CONNECTORS  
OPEN END**



8250

PART NUMBER	INLET
CACH4A01	1/4" BSPP

**FEATURES**

- Suitable for use in tyre shops
- Open & closed end available

**TYRE VALVE EURO STYLE  
SINGLE CLIP-ON CONNECTORS  
CLOSED END**



8250

PART NUMBER	INLET SIZE
CACO8U73	1/4" BSPT female

**TYRE VALVE EURO STYLE  
SINGLE CLIP-ON CONNECTORS  
OPEN END**



8250

PART NUMBER	INLET SIZE
CACO8E72	4.75 mm (3/16")
CACO8H72	6.35 mm (1/4")
CACO8T73	1/4" BSPT female

**FEATURES**

- Screw-on used in high pressure applications

**TYRE VALVE CONNECTORS  
SCREW-ON – 8V1 OPEN END**



8250

PART NUMBER	DESCRIPTION
CACO9H03	For 6.35 mm bore hose
CACO9P03	For 1/4" BSPP female

**SCREW-ON – 12V1 OPEN END**

PART NUMBER	DESCRIPTION
CACO10H03	For 6.35 mm bore hose
CACO10P03	For 1/4" BSPP female

**FEATURES**

- Rethreads the external part of the valve stem
- Rethreads the inside of the valve stem
- Remove the valve core
- Extract a damaged valve core

**TYRE VALVE TOOL  
VERSATILE 4-IN-1 TOOL**



8250

PART NUMBER	DESCRIPTION
CACVT05	4-in-1 tyre valve tool

### FEATURES

- Suitable for tyre inflation of twin tyres
- Open end – black handles: used with PCL air line gauges, PCL wall gauges & PCL portable gauges. This connector has a pin, which unseats the tyre's valve when in use
- Closed end – red handles: used when air is supplied directly from main air line (i.e. compressor or air receiver). A non-return valve unseats on connection to the tyre's valve, allowing air to flow into the tyre



8250

### TWIN VALVE CONNECTORS OPEN END – BLACK

PART NUMBER	DESCRIPTION
CACO1A03	Twin hold-on connector
CACO3A03	Twin clip-on connector

### CLOSED END – RED\*

CACO1B03	Twin hold-on connector
CACO3B03	Twin clip-on connector

\* For closed end minimum 20 psi

### FEATURES

- Manufactured from solid, heavy duty alloy
- Stamped to show various calibrations, with easy to read figures



8250

### TYRE CHECK TWIN HOLD-ON

PART NUMBER	DESCRIPTION	DIAL SIZE
CACDPG1H03	0 – 170 psi in 2 psi units 0 – 12 bar in 0.1 bar units	63 mm
CACDPG3H03	0 – 170 psi in 2 psi units 0 – 12 bar in 0.1 bar units	80 mm

### SINGLE HOLD-ON

CACDPG1H08	0 – 170 psi in 2 psi units 0 – 12 bar in 0.1 bar units	63 mm
CACDPG3H08	0 – 170 psi in 2 psi units 0 – 12 bar in 0.1 bar units	80 mm

### TYRE INFLATOR

- Alloy body construction for durability
- Euro style tyre valve connector
- Calibration 10 – 210 psi / 0.7 – 15 bar
- Supplied blister packed with operating instructions



8250

### TYRE INFLATOR ALLOY

PART NUMBER	VALVE CONNECTION
CACADTG4	Euro style



8250

### REPLACEMENT HOSE

PART NUMBER	HOSE LENGTH	DESCRIPTION
CACRHA2031	0.53 m (21")	End fittings only
CACRHA2122	0.53 m (21")	THO connector
CACRHA2129	0.53 m (21")	Euro style clip-on
CACRHA2032	1.8 m (6 ft)	End fittings only
CACRHA2034	1.8 m (6 ft)	Screw-on
CACRHA2126	1.8 m (6 ft)	Euro style clip-on
CACRHA2033	2.7 m (9 ft)	End fittings only

### TREAD DEPTH GAUGE

- Accurate measurement of tread 1 – 26 mm in 1 mm increments (1.6 mm mark)
- Department of Transport accepted for MOT testing
- DVSA approved tyre tread depth gauge
- Complies with EC directive 89/459/EEC



8250

### TREAD DEPTH GAUGE 1.6 MM MARKING

PART NUMBER	DESCRIPTION
CACTDG16C05	Tread depth gauge

### DIGITAL TYRE TREAD DEPTH GAUGE

- Easy to read, large display
- 0 – 25 mm range in 0.01 mm increments
- Metric decimal inch & fraction inch (1/64") toggle
- Suitable for tyre tread depth or brake shoe & pad wear



8250

### TYRE TREAD DEPTH GAUGE DIGITAL

PART NUMBER	DESCRIPTION
CACDTDG1D04	Digital tyre tread depth gauge

DRUM EQUIPMENT

**POLYETHYLENE DRUM TAPS  
STAY OPEN OPERATION  
MALE THREAD**



8300

PART NUMBER	THREAD
HY-DT3P	3/4"
HY-DTJ	2"

**NICKEL PLATED BRASS  
DRUM TAP  
PADLOCK IN CLOSED POSITION  
MALE THREAD**



8300

PART NUMBER	THREAD
HY-DT3H	3/4" BSPT

NOZZLES & PUMPS

FEATURES / BENEFITS

- Can be used with pumps or gravity feed tanks
- Max pressure: 50 psi (3.5 bar)
- Max flow rate: 80 l/min
- Outer spout diameter 25 mm



8300

**ALUMINIUM MANUAL NOZZLE  
SWIVEL FEMALE THREAD**

PART NUMBER	THREAD	FLOW
HY-NOZ.S2	1" BSPP	80 l/min

FEATURES / BENEFITS

- For use with electric / powered pumps only
- Suitable with diesel, HVO or bio diesel up to B30
- Automatically shuts off when tank is full



8300

**AUTOMATIC NOZZLES  
SWIVEL FEMALE THREAD**

PART NUMBER	THREAD	FLOW	COLOUR
HY-NOZA.60S	1" BSPP	60 l/min	Black
HY-NOZA.X	1" BSPP	80 l/min	Black

FEATURES / BENEFITS

- Suitable for use with AdBlue® & non-drinking water
- Automatically shuts off the flow of fuel when the vehicle tank is full
- For use with electric pumps only
- Maximum pressure 3.5 bar (50 psi)



8300

**ADBLUE® AUTOMATIC NOZZLE  
FIXED MALE THREAD / SWIVEL HOSETAIL**

PART NUMBER	THREAD	HOSE ID	FLOW
HY-NOZA.PL.AB	1" BSPP	19 mm	15 – 60 l/min

FEATURES / BENEFITS

- Suitable for pumping most liquids: acids, alkalines, antifreeze, de-greaser, distilled water, diesel / biodiesel, light oils & solvents.



8300

**SYPHON PUMPS**

PART NUMBER	DESCRIPTION
HY-HPS25	For 5 – 25 litre containers
HY-HPS205	For 205 litre containers

FEATURES / BENEFITS

- 2 piece telescopic suction pipe
- Suitable for fuels & oils up to SAE 90
- Suitable for diesel (not to be used with petrol)



8300

**LEVER HAND PUMP  
0.45 LITRE PER STROKE, 16 L/MIN  
MALE THREAD**

PART NUMBER	THREAD
HY-LEVER.S	2" BSPP

FEATURES / BENEFITS

- Cast iron rotary action pump
- Steel suction pipe c/w mesh
- Suitable for most fuels / oils



8300

**ROTARY BARREL PUMP  
MALE THREAD**

PART NUMBER	THREAD
HY-MSS21	2" BSPP

HOSES, PUMPS & FLOW METERS

**KIT CONTENTS**

- 12 V battery 40 l/min pump, empties 205 litre barrel in just over 5 mins
- Suitable with diesel, biodiesel up to B30 & HVO
- Comes with aluminium manual nozzle & brass foot valve / strainer
- Carry handle. On / off switch & bypass valve
- 4 m long battery cable & croc clips, 6 m of suction / delivery hose
- Weatherproof to IP54 for outdoor use



**PUMP KIT 12 V**

8300

PART NUMBER	DESCRIPTION
HY-12PA.KIT1C	12 V DC pump kit

**KIT CONTENTS**

- 12 V battery 40 l/min pump, empties 205 litre barrel in just over 5 mins
- Suitable with diesel, biodiesel up to B30 & HVO
- Comes with polyethylene manual nozzle & plastic foot valve
- Carry handle. On / off switch & bypass valve / strainer
- 4 m long battery cable & croc clips, 6 m of suction / delivery hose
- Weatherproof to IP54 for outdoor use



**ECONOMY PUMP KIT 12 V**

8300

PART NUMBER	DESCRIPTION
HY-12PA.K1BE	Economy 12 V DC pump kit

**FEATURES / BENEFITS**

- Provides quick & simple diesel dispensing from gravity tanks

**KIT CONTENTS**

- 1 x PTFE sealing tape
- 1 x fuel delivery nozzle
- 1 x locking gate valve
- 1 x fuel delivery hose (see table for size)



**HOSE, ALUMINIUM NOZZLE & LOCKING GATE VALVE**

8300

PART NUMBER	DESCRIPTION
HY-GK4.LS	4 m, 25 mm bore delivery hose
HY-GK6.LS	6 m, 25 mm bore delivery hose

**FEATURES / BENEFITS**

- Designed specifically to dispense AdBlue® from IBC's
- 3/4" IBC gravity hose kit with swiveling adaptor, complete kit



**ADBLUE® IBC HOSE KIT**

8300

PART NUMBER	HOSE LENGTH
HY-GK4.ABE	4 m
HY-GK6.ABE	6 m

**FEATURES / BENEFITS**

- Suitable for diesel or biodiesel up to B30
- 3.5 bar (50 psi) maximum pressure
- Front face can be rotated in 90° increments
- Robust nutating disc flow meter. Aluminium housing
- 2 year warranty



**4 DIGIT FLOW METER FOR DIESEL**

8300

PART NUMBER	INLET / OUTLET	FLOW RATE
HY-FM4A	1" BSPP	20 – 76 l/min

**FEATURES / BENEFITS**

- Designed to fit in line with the delivery pipework or by the nozzle
- Dial face can be rotated in 90° increments
- HY-FM-DA1 for use with diesel: Aluminium body
- HY-FM-DN1 for use with AdBlue®: Nylon body
- 2 year warranty



**ELECTRONIC FLOW METER**

8300

PART NUMBER	FOR USE WITH
HY-FM-DA1	Diesel / HVO
HY-FM-DN1	AdBlue®

### FEATURES

Heavy duty lever grease gun, fitted with unique 'clear vision' transparent barrel for punishing every day use. Generates 10,000 psi (690 bar) pressure that can help to clear blocked or damaged grease nipples. Not suitable for ester based synthetic grease & fluids.



4005

### LEVER GREASE GUN 'CLEAR VISION'

PART NUMBER	DESCRIPTION
GR-ZLGGC	Lever grease gun 'clear vision'

### FEATURES

Single hand operation grease gun, fitted with the unique 'clear vision' transparent barrel. Generates 5,000 psi (345 bar) pressure. Not suitable for ester based synthetic grease & fluids.



4005

### PISTOL GRIP GREASE GUN 'CLEAR VISION'

PART NUMBER	DESCRIPTION
GR-ZPGGC	Pistol grip grease gun 'clear vision'

### FEATURES

General purpose, side lever grease gun with a drop resistant, steel head construction. Accepts standard 400 g cartridge but can also be bulk or suction filled.

- Delivers up to 6,000 psi / 413 bar grease pressure
- Complete with 6" (150 mm) steel extension & 4 jaw coupler
- Air release through loader fitting
- Two hand operation with soft rubber grip on lever handle for comfortable operation



4005

### LEVER GREASE GUN

PART NUMBER	DESCRIPTION
GR-ZLGG	Lever grease gun

### FEATURES

Heavy duty lever grease gun for punishing every day use. Generates 10,000 psi (690 bar) pressure that can help to clear blocked or damaged grease nipples.



4005

### HEAVY DUTY LEVER GREASE GUN

PART NUMBER	DESCRIPTION
GR-ZG1	Heavy duty lever grease gun

### FEATURES

- Mini pistol grip grease gun with convenient pull type mechanism
- Single hand operation
- Capacity: 3 oz (85 g) grease cartridge or 120 cc bulk fill
- Maximum pressure 3500 psi (240 bar)
- Delivers 0.40 g / stroke



4005

### MINI PISTOL GRIP GREASE GUN

PART NUMBER	DESCRIPTION
GR-ZG16	Mini pistol grip grease gun

### FEATURES

Ergonomic, one hand operation grease gun with unique variable stroke mechanism for both high volume & high pressure applications. High volume for faster greasing & high pressure for use in cold weather conditions. Generates 7,000 psi (480 bar) pressure.



4005

### PREMIUM PISTOL GRIP GREASE GUN

PART NUMBER	DESCRIPTION
GR-ZG55	Premium pistol grip grease gun

### FEATURES

Heavy duty oil gun, handles flowable greases & light oils without leakage

- Develops 10,000 psi / 690 bar
- Variable stroke feature built-in for use in confined areas
- Grease gun follower, designed for use with both oils & grease
- Refillable options: 400 g cartridge, bulk fill, suction & hand fill
- Complete with 6" (150 mm) steel extension & professional 4 jaw coupling with ball check



4005

### LEVER OIL GUN

PART NUMBER	DESCRIPTION
GR-ZG19RB	Heavy duty oil gun

### FEATURES

Double lever grease gun for quick & effortless high pressure greasing applications. Suitable for some screw in grease cartridges. Develops 7,500 psi / 517 bar. Delivers up to 0.8 g / stroke. Protective cap for hose storage when not in use, prevents contamination at the hose end. Minimal wearing parts for longer life. Comes complete with 12" high pressure flexible hose with a 4 jaw coupler.



4005

### DOUBLE LEVER GREASE GUN

PART NUMBER	DESCRIPTION
GR-ZG83FHPB	Double lever grease gun
GR-ZADPHDG83MTO	Lube shuttle to Fuchs adaptor

### FEATURES

- Simple method of filling grease reservoirs
- Reduces the chances of cross contamination
- Suitable for use with 400 g grease cartridges or bulk grease
- Barrel manufactured from high quality zinc plated steel
- Barrel length: 370 mm
- Barrel diameter: 56 mm

New



### QUICK GREASE FILLER GUN

4005

PART NUMBER	DESCRIPTION
GR-ZSGGR400T	For quick filling high viscosity grease

### FEATURES

- Designed to work with 400 gm spin-on grease cartridge
- Vacuum technology ensures full utilisation of grease in the cartridge
- No air bleeding required
- Robust high tolerance aluminium die cast head
- Minimal wearing parts for longer life
- Non-slip textured powder coated finish
- Professional 4 jaw coupler with ball check valve



### SPIN ON LEVER GREASE GUN

4005

PART NUMBER	DESCRIPTION
GR-ZG49RB	Lever grease gun

### FEATURES

- Designed to work with 400 g Spin-On grease cartridge
- No air bleeding required
- Minimal wearing parts for longer life
- Non slip textured powder coated finish for extended service life, which out last zinc plated grease guns
- Delivery pressure 5,000 psi / 345 bar
- Flexible extension hose 300 mm / 12"



### SPIN ON PISTOL GRIP GREASE GUN

4005

PART NUMBER	DESCRIPTION
GR-ZG49PRB	Pistol grip grease gun

### FEATURES

- 2 way operating telescopic handle
- Pistol type: Ideal for use in confined spaces
- Lever type: For high pressure & high volume application
- Integrated high volume / high pressure adjustable mechanism
- Aluminium die cast head fitted with bulk loader & air bleeder valve
- Non-slip comfortable vinyl grip handle
- Filling options: 400 gm (14 oz.) grease cartridge, bulk, suction or filler pump
- Suitable for use with NLGI 1, 2 & 3 grease



### DUAL PISTOL / LEVER HANDLE GREASE GUN

4005

PART NUMBER	DESCRIPTION
GR-ZG77	Dual grease gun

### FEATURES

- An easy & portable, high pressure, hand operated grease pump. Provides high pressure greasing, where an air supply is not available. Comes complete with lift handle, drum cover, follower plate, 48" (1220 mm) grease hose, fitted with professional 4 jaw coupler.
- Delivery pressure 3,500 psi / 240 bar
  - Delivers 1.5 g / stroke



### HIGH PRESSURE GREASE PUMP

4005

PART NUMBER	FOR USE WITH
GR-ZHPGP	12.5 kg grease kegs
GR-ZGFPH03PRO	18 – 20 kg grease kegs

### FEATURES

- Supplied complete with 15 kg grease container
- Recommended for use with NLGI 1, 2 & 3 greases
- Max grease level marked on the grease bucket
- 2 m x 1/4" high pressure hose
- Air release valve for easily removing trapped air from grease
- Swivel connector allows easy manoeuvrability without the hose kinking



### BUCKET GREASE PUMP C/W 15 KG GREASE CONTAINER

4005

PART NUMBER	DESCRIPTION
GR-ZVGP15	Grease pump & 15 kg container

### FEATURES

- Ideal for transfer of grease in high volume & long distance
- Components can be purchased separately
- Pump service kits are available
- Double acting pump provides continuous flow operation
- Rugged design to withstand demanding environments

### SPECIFICATIONS

Drum application	50 kg
Pressure ratio	50:1
Air inlet pressure	5-12 bar / 70-180 psi
Max. free flow rate (min)	1.8 kg / 4 lb
Suction tube length	740 mm / 19"



### HEAVY DUTY GREASE PUMP KIT

50:1 50 KG

PART NUMBER	DESCRIPTION
GR-J17125050KIT	Heavy duty grease pump kit

### FEATURES

- Ideal for transfer of grease in high volume & long distance
- Components can be purchased separately
- Pump service kits are available
- Double acting pump provides continuous flow operation
- Rugged design to withstand demanding environments

### SPECIFICATIONS

Drum application	180 kg
Pressure ratio	50:1
Air inlet pressure	5-12 bar / 70-180 psi
Max. free flow rate (min)	1.8 kg / 4 lb
Suction tube length	940 mm / 37"



### HEAVY DUTY GREASE PUMP KIT

50:1 180 KG

PART NUMBER	DESCRIPTION
GR-J17125060KIT	Heavy duty grease pump kit

### FEATURES

Grease control valve & z-swivel supplied as standard equipment with ZGPK125, ZGPK50 & ZGPK180 grease kits. Also suitable for use with other air powered grease units.

- Maximum outlet pressure 500 bar (7500 psi).
- Provides continuous grease flow when trigger fully pressed.
- Comes complete with 360 degree z-swivel, 6" steel extension & professional 4 jaw coupler.



### GREASE CONTROL VALVE & Z-SWIVEL

4005

PART NUMBER	DESCRIPTION
GR-ZBGZ	Grease control valve & z-swivel

### FEATURES

- World-class industrial high pressure grease pumps with guaranteed performance & hassle free operation
- Kit supplied complete with pump, lid, follower plate, hose, swivel & grease delivery gun
- Recommended use with light & self collapsing grease up to NLGI No. 2
- All metal construction, fully CNC machined with hardened wear resistant moving parts
- Fitted with strainer at suction tube inlet for clean grease to the bearing
- Optional trolley available

### SPECIFICATIONS

Working air pressure	2 – 10 bar (30 to 150 psi)
Maximum air pressure	10 bar (150 psi)
Maximum outlet pressure	500 bar (7500 psi)
Air inlet connection	1/4" BSPP (F)
Pump outlet connection	1/4" BSPP (F)
Air consumption	230 l/min (61 GPM)
Grease output (NLGI No.2)	1.10 kg/min (2.42 lb/min)
Noise level	81 dB



### AIR OPERATED GREASE PUMP KIT

50:1 12.5 KG

4005

PART NUMBER	FOR USE WITH
GR-ZGPK125	Standard UK size 12.5 kg kegs

50:1 50 KG

GR-ZGPK50	Standard UK size 50 kg kegs
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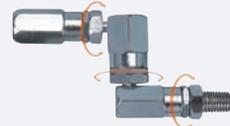
50:1 180 KG

GR-ZGPK180	Standard UK size 180 kg kegs
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### FEATURES

Installed between the delivery hose & grease control valve. Swivels permit easy handling of control valves & prevent damage to the hose caused by twisting. Constructed from heavy duty steel with ball bearings for smooth operation & free, unrestricted movement through 360°.

- Max working pressure 6,000 psi (413 bar)
- Thread specification 1/4" BSPT (M) – 1/4" BSPT (F)



### HIGH PRESSURE Z-SWIVEL

4005

PART NUMBER	DESCRIPTION
GR-ZHPZS	High pressure z-swivel

### FEATURES

Heavy duty, grease control valve with built-in boost mechanism. Pressure boost achieved through repeated actuation of the pistol trigger. Boosts line pressure from 6,000 psi (400 bar) to 10,000 psi (690 bar).



### GREASE CONTROL VALVE BOOSTER

4005

PART NUMBER	DESCRIPTION
GR-ZBG	Grease control valve booster

### FEATURES

Grease gun extension that works as a rigid 13" (330 mm) long steel extension or converts into a flexible hose extension for greasing hard to reach fittings.

- Working pressure: 5,000 psi / 345 bar
- Supplied with professional 4 jaw coupler



### FLEXIBLE RIGID EXTENSION

4005

PART NUMBER	DESCRIPTION
GR-ZFRE	Flexible rigid extension

### FEATURES

Professional 360° hydraulic coupler. 3-jaw 1/8" BSPT thread & hex nut. Swivels in full 360° circle & locks conveniently at any 45° position. 45° angle gives easy access to most grease fittings. Jaws are fully hardened for extended service life. Hardened coupler body & swivel joints withstand high pressure applications without deformations. Spring loaded, ball check valve helps retain grease pressure. Suitable for up to 7,000 psi / 483 bar.



### 360° HYDRAULIC COUPLER

4005

PART NUMBER	DESCRIPTION
GR-ZHCSW3B	360° hydraulic coupler

### FEATURES

Zinc die cast coupler body for greasing button head fittings, found mostly on heavy machinery or contractor equipment.

- Maximum working pressure GR-ZHOC-1: 3,000 psi (207 bar)  
GR-ZPCN-2: 7,500 psi (517 bar)
- Swivelling button head fittings
- Metal seal increases resistance to wear



### HOOK ON BUTTON HEAD COUPLER

4005

PART NUMBER	DESCRIPTION
GR-ZHOC-1	For 5/8" button head fittings
GR-ZPCN-2	For 7/8" button head fittings – HD

### FEATURES

The Groz quick disconnect grease coupler is designed for quick & convenient disengagement of the coupler from the grease / zerk fittings under pressure. To engage the coupler, simply press the thumb lever & slide the coupler jaws onto the fitting. Once greasing is completed, simply press the thumb lever again to disconnect the coupler from the fitting. Suitable for pressures up to 8000 psi / 550 bar. The coupler will not move, thus allowing a hands free operation. Suitable for battery, air & manual operated grease guns. Slimline diameter 17 mm. Unique 6 point contact design. Thread: 1/8" BSPT female.



### QUICK DISCONNECT GREASE COUPLER

4005

PART NUMBER	DESCRIPTION
GR-ZHC21B	Quick disconnect grease coupler

### FEATURES

- Suitable for pressures up to 8000 psi / 550 bar
- The coupler will not move thus allowing a hands free operation
- Suitable for battery, air & manual operated grease guns
- Slim line diameter 17 mm
- Unique 6 point contact design



### EXTRA LONG QUICK DISCONNECT COUPLER FEMALE THREAD



4005

PART NUMBER	THREAD	LENGTH
GR-ZHC21XL	1/8" BSPT	80 mm

### FEATURES

- Professional hydraulic 4 jaw coupler, 1/8" BSPT thread & hex nut.
- Maximum working pressure: 6,000 psi (413 bar)



### HYDRAULIC COUPLER 4-JAW

4005

PART NUMBER	DESCRIPTION
GR-ZHC144B	Hydraulic coupler 4 jaw

### BOX CONTENTS

50 pcs of BSPT grease fittings:  
1/8" – 28 BSPT straight = 20  
1/8" – 28 BSPT 45 degree = 5  
1/8" – 28 BSPT 90 degree = 5  
1/4" – 19 BSPT straight = 10  
1/4" – 19 BSPT 45 degree = 5  
1/4" – 19 BSPT 90 degree = 5



### ASSORTED GREASE NIPPLE PACK 50 PIECE – BSPT

4005

PART NUMBER	DESCRIPTION
GR-ZBSP50	Assorted grease nipple pack – BSPT

### BOX CONTENTS

80 pcs of metric grease fittings:  
M6 x 1 straight = 20  
M6 x 1 90 degree = 10  
M8 x 1 straight = 15  
M8 x 1 90 degree = 10  
M10 x 1 straight = 15  
M10 x 1 90 degree = 10



### ASSORTED GREASE NIPPLE PACK 80 PIECE – METRIC

4005

PART NUMBER	DESCRIPTION
GR-ZM80	Assorted grease nipple pack – metric

### FEATURES

The J1782801 is a durable & lightweight oil control valve with rigid nozzle & manual tip, typical fluids handled are motor oil, gear oil, transmission fluids, etc.

- Inlet connections: 1/2" swivel female
- Max pressure: 50 bar / 750 psi
- Temperature: Max 60°C spout



4005

### OIL CONTROL GUN C/W RIGID EXTENSION

PART NUMBER	DESCRIPTION
GR-J1782801	Oil control gun c/w rigid extension

### FEATURES

The J1782802 flexible oil control gun is a durable & lightweight oil control valve with flexible nozzle & automatic tip, typical fluids handled are motor oil, gear oil, transmission fluids, etc.

- Inlet connections: 1/2" swivel female
- Max pressure: 50 bar / 750 psi
- Temperature: Max 60°C spout



4005

### OIL CONTROL GUN C/W FLEXIBLE EXTENSION

PART NUMBER	DESCRIPTION
GR-J1782802	Oil control gun c/w flexible extension

### FEATURES

- Digital oil meter with 5 pre-settable totals for frequently required volumes
- Supplied with both rigid & flexible nozzles
- 5 digit LCD display
- Shock resistant

### SPECIFICATIONS

Inlet connection	1/2" BSPP
Flow range	1 – 35 l/min
Accuracy	+/- 0.5%
Max. temperature	60°C
Power source	4 x AA size 1.5 V
Pressure range	0.5 – 70 bar (7 – 1000 psi)
Weight	1.5 kg / 3.3 lb



4005

### DIGITAL PRESET OIL METER

PART NUMBER	DESCRIPTION
GR-J18133512	Digital preset oil meter

### FEATURES

- High pressure, positive displacement meter for oils, diesel & biodiesel
- Oval gear mechanism for optimum accuracy
- Electronic display using two 1.5 V batteries
- Easy user calibration
- Recommended use with oils that have a viscosity up to 5000 cST, diesel & biodiesel

### SPECIFICATIONS

Flow rate	1 to 30 l/min (0.3 to 8 GPM)
Accuracy	+/- 1%
Max. working pressure	1000 psi (70 bar)
Thread inlet/outlet	1/2" BSPT



4005

### DIGITAL OIL METER

PART NUMBER	DESCRIPTION
GR-ZOM20	Digital oil meter

### FEATURES

The GR-J18163536 digital oil meter is durable & accurate, & is supplied with both rigid & flexible nozzles. Typical fluids handled are motor oil, gear oil, transmission fluids, etc. Resettable total for daily, weekly & lifetime dispense reports with a 5-digit easy to read LCD display powered by 3 V battery.

- Inlet connection: 1/2" female
- Fluid range: 1 – 35 l/min; 0.3 – 9.2 GPM
- Low battery indicator
- Pressure range: 5 – 100 bar / 70 – 1450 psi
- Temperature - Max 60°C
- Accuracy: +/- 0.5 %
- Viscosity: 8 – 5000 mPas
- Spout: Supplied with both rigid & flexible nozzles
- Power source: 3 V CR2 battery
- Weight: 1.4 kg / 3 lb
- Rubber protection cover



4005

### DIGITAL OIL CONTROL GUN

PART NUMBER	DESCRIPTION
GR-J18163536	Digital oil control gun

### FEATURES

- Stainless steel 3:1 air operated drum pump. Ideal for transferring low to medium viscosity fluids, such as antifreeze, windshield washer fluids & water soluble lubricants, etc
- Single acting pump with discharge up to 14 l/min (3.70 GPM)
- Suitable for oils up to SAE130
- Air consumption 230 l/min (61 GPM)
- ZAOP3DSS pump complete with suction tube for 205 litre (55 gallon) drums & bung adaptor

### SPECIFICATIONS

Working air pressure	2 – 10 bar (30 to 150 psi)
Max. air pressure	10 bar (150 psi)
Max. fluid pressure	30 bar (450 psi)
Air inlet connection	1/4" BSPP (F)
Pump outlet connection	1/2" BSPP (F)
Air consumption	230 l/min (61 GPM)
Noise level	81 dB



4005

### AIR OPERATED STAINLESS STEEL OIL DISPENSING DRUM PUMP 3:1 RATIO

PART NUMBER	DESCRIPTION
GR-ZAOP3DSS	Air operated stainless steel oil dispensing pump

## FEATURES

Groz industrial oil dispensing pumps offer guaranteed performance & hassle free operation. These pumps are designed to work in tough conditions & are ideal for use in industry, workshop, agriculture & construction or as part of a mobile oil system. Stub pumps are supplied with a non-return valve threaded 1" (F) for use on the bottom of the suction tube. Drum pumps have a built-in strainer at the pump inlet to keep out any contaminants.

- Ideal for use with medium to high viscosity oils (up to SAE130) for transferring over short distances (up to 30 m)

## SPECIFICATIONS

Maximum fluid pressure	36 bar (500 psi)
Discharge	up to 14 l/min (3.70 GPM)
Air consumption	230 l/min (61 GPM)
Useage	Oils up to SAE130



4005

### AIR OPERATED OIL DISPENSING STUB PUMP 3:1 RATIO

PART NUMBER	DESCRIPTION
GR-ZAOP3S	Air operated 3:1 oil ratio stub pump

## FEATURES

Groz industrial oil dispensing pumps offer guaranteed performance & hassle free operation. These pumps are designed to work in tough conditions & are ideal for use in industry, workshop, agriculture & construction or as part of a mobile oil system. Stub pumps are supplied with a non-return valve threaded 1" (F) for use on the bottom of the suction tube. Drum pumps have a built-in strainer at the pump inlet to keep out any contaminants.

- 1:1 transfer pumps are primarily used to quickly transfer oils from large drums to smaller containers over a short distance.

## SPECIFICATIONS

Maximum fluid pressure	60 bar (870 psi)
Discharge	up to 40 l/min (10.58 GPM)
Air consumption	270 l/min (71.5 GPM)



4005

### AIR OPERATED OIL DISPENSING STUB PUMP 1:1 RATIO

PART NUMBER	DESCRIPTION
GR-ZAOP1S	Air operated 1:1 oil ratio stub pump

## FEATURES

Groz industrial oil dispensing pumps offer guaranteed performance & hassle free operation. These pumps are designed to work in tough conditions & are ideal for use in industry, workshop, agriculture & construction or as part of a mobile oil system. Ideal for use with medium to high viscosity oils (up to SAE130) for transferring over short distances (up to 30 m).

- Single acting pump with discharge up to 14 l/min (3.70 GPM)
- Suitable for oils up to SAE130
- Air consumption 230 l/min (61 GPM)
- ZAOP3D pump complete with suction tube for 205 litre (55 gal) drums & bung adaptor.

## SPECIFICATIONS

Working air pressure	2 – 10 bar (30 – 150 psi)
Maximum air pressure	10 bar (150 psi)
Air inlet connection	1/4" BSPP (F)
Pump outlet connection	1/2" BSPP (F)
Air consumption	230 l/min (61 GPM)
Noise level	81 dB



4005

### AIR OPERATED OIL DISPENSING DRUM PUMP 3:1 RATIO

PART NUMBER	DESCRIPTION
GR-ZAOP3D	Air operated 3:1 ratio drum pump

## FEATURES

Groz industrial oil dispensing pumps offer guaranteed performance & hassle free operation. These pumps are designed to work in tough conditions & are ideal for use in industry, workshop, agriculture & construction or as part of a mobile oil system. Ideal for use with high viscosity oils (up to SAE240) for transferring over short & long distances (up to 50 m). Mostly used with hose reels & centralised distribution systems.

- Double acting operation with discharge up to 18 l/min (4.76 GPM)
- Suitable for oils up to SAE240
- Air consumption 250 l/min (66 GPM)
- ZAOP5D pump complete with suction tube for 205 litre (55 gal) drums & bung adaptor.

## SPECIFICATIONS

Working air pressure	2 – 10 bar (30 – 150 psi)
Maximum air pressure	10 bar (150 psi)
Air inlet connection	1/4" BSPP (F)
Pump outlet connection	1/2" BSPP (F)
Air consumption	230 l/min (61 GPM)
Noise level	81 dB



4005

### AIR OPERATED OIL DISPENSING DRUM PUMP 5:1 RATIO

PART NUMBER	DESCRIPTION
GR-ZAOP5D	Air operated 5:1 oil ratio drum pump

## HEAVY DUTY PUMPS

### FEATURES

- 3:1 air operated oil pump for high volume & longer distance transfer applications
- Easy to operate & maintain (air motor service kit available (J17130301KIT))
- Corrosion resistant design
- Suction tube kit available (JET20670) for use with 205 litre barrels

### SPECIFICATIONS

Ratio	3:1
Working pressure	5 – 12 bar (70 – 180 psi)
Max. fluid pressure	36 bar (500 psi)
Air consumption	At 8 bar 600 l/min
Suction tube diameter	54 mm / 2.1"
Oil outlet connection	3/4" BSPP (F)
Max. free flow rate	45 l/min (12 gallon)



4005

### HEAVY DUTY 3:1 OIL TRANSFER PUMP

PART NUMBER	DESCRIPTION
GR-J17130301	Heavy duty 3:1 oil transfer pump

### FEATURES

- 5:1 air operated oil pump for high volume & longer distance transfer applications
- Easy to operate & maintain (air motor service kit available (GRJ17130501KIT))
- Corrosion resistant design
- Suction tube kit available (JET20670) for use with 205 litre barrels

### SPECIFICATIONS

Ratio	5:1
Working pressure	5 – 12 bar (70 – 180 psi)
Max. fluid pressure	60 bar (870 psi)
Air consumption	At 8 bar 600 l/min
Suction tube diameter	54 mm / 2.1"
Oil outlet connection	3/4" BSPP (F)
Max. free flow rate	40 l/min (11 gallon)



4005

### HEAVY DUTY 5:1 OIL TRANSFER PUMP

PART NUMBER	DESCRIPTION
GR-J17130501	Heavy duty 5:1 oil transfer pump

## AIR OPERATED DIAPHRAGM PUMPS

### DESCRIPTION

Air operated diaphragm pumps are compatible with a wide range of fluids. For specific applications check the wetted components for suitability.

### FEATURES

- Externally serviceable air distribution system & all bolted construction
- Includes ground capability to eliminate static discharge
- Both metal & plastic bodies are available
- A variety of elastomer options including NBR, FKM, EPDM & PTFE are available to meet abrasion, temperature & chemical compatibility concerns
- Maximum diameter of solid: 1/8"
- Aluminium pump: suitable for use with water, mineral oils, diesel & oils
- Plastic pump: suitable for use with water, mineral oils, diesel, oils, AdBlue & antifreeze

### SPECIFICATIONS

Maximum pressure	8 bar / 115 psi
Air inlet	1/4"



4005

### WALL MOUNTING BRACKET

PART NUMBER	DESCRIPTION
GR-J17910010	For use with diaphragm pumps

### ALUMINIUM DIAPHRAGM PUMP FKM SEAL



4005

PART NUMBER	FLOW RATE	INLET / OUTLET
GR-J17150600V	60 litre	3/4"
GR-J17151200V	90 litre	1"

### NBR SEAL

GR-J17151200N	90 litre	1"
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### PLASTIC DIAPHRAGM PUMP FKM SEAL



4005

PART NUMBER	FLOW RATE	INLET / OUTLET
GR-J17150601V	60 litre	3/4"

### FEATURES

- Suitable for use with oils up to 120 SAE
- Suitable for use with engine oil, synthetic oil, hydraulic oil, gear oil & automatic transmission fluid
- Low noise level – quiet, efficient & reliable
- Supplied with 2" bung adaptor
- 2 years manufacturer's warranty

### SPECIFICATIONS

Ratio	1:1
Working pressure	5 – 8 bar (70 – 115 psi)
Air consumption	100 l/min
Output capacity	18 l/min
Suction tube diameter	42 mm
Air inlet connection	1/4" quick plug
Oil delivery connection	1/2" male
Max. viscosity	120 SAE



4005

### 1:1 OIL PUMP SYSTEM

PART NUMBER	DESCRIPTION
GR-J100TDG	Manual gun
GR-J100TDGD	Digital gun

### FEATURES

Mobile pneumatic oil dispenser, designed for filling & topping up reservoirs. Pneumatic oil dispenser is equipped with a level gauge, delivery gun & flexible end.

- Works autonomously without the requirement of continuous connection to air supply
- Suitable for dispensing automotive engine & gearbox oils

### SPECIFICATIONS

Air pressure	7 – 8 bar / 100 – 114 psi
Maximum pressure	10 bar / 145 psi
Flex hose	2000 mm / 79"



4005

### MOBILE PNEUMATIC OIL DISPENSER

PART NUMBER	CAPACITY	WEIGHT
GR-JPOD030	30 litre	15 kg
GR-JPOD065	65 litre	26 kg

### FEATURES

- Unique front action operation allows the pump to be used on barrels placed in corners & other inaccessible areas
- Heavy duty aluminium die cast pump head incorporates 2" bung threads
- Brass piston rings for increased life
- Built-in nozzle holder for convenient storage of discharge hose
- Includes 1.8 m PVC NBR delivery hose with metal nozzle, spring & hose clamp
- Supplied complete with telescopic suction tube for use on 50 litre (15 gallons) – 205 litre (55 gallons) drums
- Wetted components: steel, aluminium, brass, NBR & PVC NBR
- Recommended use: for dispensing diesel, kerosene, heating oils, motor oils, lubricating oils (up to SAE 90) & other non-corrosive media
- Do not use with water based media, antifreeze, solvents, acids & gasoline, etc.



4005

### HAND OPERATED BARREL PUMP

PART NUMBER	DESCRIPTION
GR-ZA2HBL	Barrel pump

### DESCRIPTION

The J1703001 self priming lever pump is manufactured in steel, which is zinc plated to give a quality finish. Supplied with self adjusting, telescopic suction tube & 2" bung nut.

### FEATURES

- Cushioned vinyl handle
- Supplied with self-adjusting suction tube
- Dispenses approximately 300 cc per stroke
- Zinc plated for lasting quality & appearance
- Suitable for use with 50 – 205 litre drums



4005

### LEVER HAND PUMP

PART NUMBER	DESCRIPTION
GR-J1703001	Suitable for 50 – 205 litre drums

### DESCRIPTION

The J1703004 rotary action vane type pump is suitable for dispensing diesel & lubricating oils, up to SAE 90, output of up to 25 l/min.

### FEATURES

- Supplied with 3 piece suction tube & 2" bung adaptor
- Built-in suction strainer
- Suitable for dispensing diesel & lubricating oils up to SAE 90
- Output – up to 25 l/min
- Suitable for use with 50 – 205 litre drums



4005

### ROTARY BARREL PUMP

PART NUMBER	DESCRIPTION
GR-J1703004	Suitable for 50 – 205 litre drums

## DESCRIPTION

Easy to use, polyethylene pump syphons liquids to lower levels than the height at which the pump is installed. These pumps are easy to prime & start within 6 – 7 strokes. The pump requires no further operation & keeps working in auto position. All pumps are equipped with a vent cap on top. Opening the cap stops the discharge. To dispense media at levels higher than the pump, the pump needs to be continuously operated.

## FEATURES

- Supplied complete with flexible corrugated discharge tube
- Recommended for use with water-based fluids, detergents, waxes, soaps, antifreeze, some mild acids, & other liquids compatible with the pump construction materials
- The pump must never be used with hot media at temperatures above 60°C
- These pumps must never be used with concentrated acids, acetone, benzene & any media that is not compatible with the materials used in the pump

SPECIFICATION	GR-ZSPH1	GR-ZSPH2
Bung	1 – 1/2" – use with pails	2" – use with drums
Discharge	6.5 l/min / 2 GPM	17.5 l/min / 5 GPM
Discharge hose length	551 mm	1180 mm
Wetted components	Polyethylene	Polyethylene & polypropylene



4005

## SYPHON PUMP

PART NUMBER	DRUM SIZE
GR-ZSPH1	5 – 25 litre
GR-ZSPH2	205 litre

## FEATURES

- Robust transfer gun, designed for use with gear oils to get them both into & out of gearboxes, transfer cases & differentials
- Steel barrel with powder coated finish. Complete with 12" (300 mm) flexible vinyl hose
- No priming required
- Suitable for use with non corrosive liquids



4005

## SUCTION GUN

PART NUMBER	CAPACITY
GR-ZSG11	500 ml (16 oz)

## FEATURES

- Closed design for safe & spill free disposal
- Large 8" (200 mm) opening with catch all basket to hold small parts & filters
- Integrated handle for easy carrying & handling
- Stores upright or flat without any leakage
- Complete with wheels for slosh & spill free mobility
- Recommended to be used with oil & antifreeze
- Approx. size (457 mm x 406 mm x 127 mm)



4005

## HIGH DENSITY POLYETHYLENE OIL DRAIN

PART NUMBER	CAPACITY
GR-ZODP15	14 litre

## FEATURES

- Versatile hand lift pump for 20 / 25 litre drums
- Supplied with seven interchangeable bung adaptors & suction tube extension
- Delivers 1 litre (1 quart) / 18 strokes
- Non kink discharge hose fitted with non drip nozzle

Do not use with water based & other corrosive media



4005

## EZEE FLO PUMP

PART NUMBER	DESCRIPTION
GR-ZEF2	Ezee flo pump

## FEATURES

- High density, polyethylene construction
- Chemical / solvent resistant
- Built-in anti-splash lip & baffles
- Large spout for fast pouring
- Supplied with threaded spout cap for safe transportation



4005

## HIGH DENSITY POLYETHYLENE OIL DRAIN PAN

PART NUMBER	COLOUR	CAPACITY	MEDIA
GR-ZODP16	Black	16 litre	Oil
GR-ZODP16GN	Green	16 litre	Antifreeze

## FEATURES

- Complete with rigid & flexible spout
- Manufactured with a brass pump & fitted with 2 ball valves for large volume delivery per stroke
- Blue powder coated finish



4005

## LEVER TYPE OIL CAN WITH BRASS PUMP

PART NUMBER	CAPACITY
GR-ZMP23RFB	500 ml (16 oz / 1 pint)

### FEATURES

- Capacity: 430 ml (15 oz), 245 ml (8.5 oz), 120 ml (4.2 oz) & 40 ml (1.4 oz)
- Diameter: 125 mm (5"), 100 mm (4"), 75 mm (3") & 50 mm (2")
- High rim works as an effective splash guard
- Recommended use: diesel, gasoline, kerosene, urea, oils, antifreeze & other water based media
- Do not use with: Acids & other media at temperatures above 60°C (140°F)

New



### 4 PIECE PLASTIC FUNNEL SET

4005

PART NUMBER	CAPACITY
GR-ZFNL4ST	430 ml, 245 ml, 120 ml, 40 ml

### FEATURES

- Plastic measure for transferring metered quantities
- Manufactured from translucent, high density polyethylene
- Marked in both litres & quarts
- Comes complete with polyethylene, flexible spout & polypropylene lid



### FLEXIBLE SPOUT MEASURE

4005

PART NUMBER	DESCRIPTION
GR-ZFSM1	1 litre flexible spout measure
GR-ZFSM2	2 litre flexible spout measure
GR-ZFSM5	5 litre flexible spout measure

### FEATURES

- Anti-splash & spill proof 1.7 litre funnel, complete with mesh screen, dust cover & flexible spout
- Heavy duty, polypropylene construction in translucent white to give clear view of media
- Supplied with dust cap & wire mesh screen to keep contaminants out



### FUNNEL & FLEXIBLE SPOUT 1.7 LITRE

4005

PART NUMBER	DESCRIPTION
GR-ZFNL8	Funnel & flexible spout

### FEATURES

- Anti-splash & spill proof 3 litre funnel, complete with mesh screen, dust cover & flexible spout
- Heavy duty, polypropylene construction in translucent white to give clear view of media
- Supplied with a 2" bung adaptor for direct attachment to drum
- Supplied with dust cap & wire mesh screen to keep contaminants out



### FUNNEL & FLEXIBLE SPOUT 3 LITRE

4005

PART NUMBER	DESCRIPTION
GR-ZFNL9B	Funnel & flexible spout

### FEATURES

- High flow fuel filter with 10 micron fuel filter element
- Suitable for use with diesel fuel & gasoline
- 1" BSPF threaded aluminium inlet / outlet ports
- Maximum working pressure 150 psi / 10 bar
- Not suitable for use with water based products, aviation fuels & race fuels



### FUEL FILTER

4005

PART NUMBER	DESCRIPTION
GR-ZFFL02B	Fuel filter

### FEATURES

- Suitable for use with diesel fuel & gasoline
- Wetted components: Aluminium, polypropylene, NBR, steel, paper element, nylon & brass
- Not suitable for use with water based products, aviation fuels & race fuels



### FILTER ELEMENT

4005

PART NUMBER	DESCRIPTION
GR-ZFE10	10 micron filter element
GR-ZFEWB	Water block filter element

### FEATURES

High flow fuel filter, complete with 10 micron spin-on style filter cartridge. Suitable for use with diesel, gasoline & gasohol. Aluminum die cast head, vacuum impregnated for leak proof operation. Inlet & outlet threaded 1" BSPF(F). Fits spin on cartridges with 1 1/2" - 16 UNF threads. Designed for use on both mobile & stationary fuel tanks & on petrol & diesel fuel pumps. Ideal for use in construction & agricultural applications. Removes particulate contaminants, such as dirt, dust & rust. Not suitable for use with water based products, aviation, fuels, race fuels, etc.



### FUEL FILTER SPIN ON CARTRIDGE

4005

PART NUMBER	DESCRIPTION
GR-ZFFS10BSP	Fuel filter spin on cartridge

### FEATURES

Constructed in cast aluminium with plastic coated body & plastic handle assembly. Automatically shuts off the flow of fuel when the tank is full. Flow rate 45 – 60 l/min. High, medium & low volume latching facility. Suitable for use with petrol or diesel. Integral strainer. Plastic coated body & plastic handle assembly.



### ALUMINIUM SHUT-OFF NOZZLE 3/4" AUTOMATIC

PART NUMBER	DESCRIPTION
GR-J1789022-1	Fuel nozzle 3/4" automatic

### FEATURES

Constructed in cast aluminium with plastic coated body & handle assembly. Automatically shuts off the flow of fuel when the tank is full. Flow rate 80 – 120 l/min. High, medium & low volume latching facility. 1" inlet with 1" spout. Suitable for use with petrol or diesel. Plastic coated body & handle assembly.



### 1" HIGH VOLUME AUTO NOZZLE

PART NUMBER	DESCRIPTION
GR-J18312002-1	1" high volume auto nozzle

### FEATURES

Constructed in cast aluminium with plastic coated body & handle assembly. Automatically shuts off the flow of fuel when the tank is full. Flow rate 80 – 120 l/min. High, medium & low volume latching facility. 1" inlet with 1" spout. Suitable for use with petrol or diesel. Plastic coated body & handle assembly.



### 1" HIGH VOLUME AUTO NOZZLE

PART NUMBER	DESCRIPTION
GR-J1789023-1	1" high volume auto nozzle

### DESCRIPTION

Aluminium fuel nozzle with 3/4" BSPP swivel inlet port. Suitable for use with electric fuel pumps & gravity feed applications. Also includes continuous flow switch for unattended dispensing.

### FEATURES

- For use with diesel, kerosene & petrol
- 160 mm long spout
- Fitted with continuous flow switch



### ALUMINIUM FUEL NOZZLE

PART NUMBER	DESCRIPTION
GR-ZFN34	Fuel nozzle 3/4" manual
GR-ZFN1	Fuel nozzle 1" manual

### FEATURES

In-line hose break coupling, designed to be installed between the fuel dispenser & nozzle. In case of drive off, the breakaway valve allows the nozzle end of the hose to get separated from the dispenser end of the hose. The dual poppets inside the hose break coupling close when the drive off happens, trapping the fuel inside the hose at both ends, thereby avoiding fuel spillage & possible damage to the environment. Tolerant of pulsing & line shocks, due to sturdy yet lightweight aluminium design body. PVC sleeve provides better grip & handling. Designed to pull apart at max 1500 N / 350 lb pull force. Small & lightweight with minimal flow restriction. Wetted components: aluminium, nylon & FKM. Max flow rate: 60 l/min



### HOSE BREAK COUPLINGS

PART NUMBER	NOZZLE SIZE
GR-ZBKV34B	3/4" BSPP
GR-ZBKV01B	1" BSPP

### FEATURES

- Nutating disc meter suitable for diesel, petrol, biodiesel & low viscosity oils.
- Suitable for both gravity & pumped systems
- 3 port design, which allows the meter to be fitted in-line or with inlet & outlet ports to be at right angles
- Nutating disc mechanism offers high tolerance to fuel contamination
- Easy user re-calibration

### SPECIFICATIONS

Flow range	15 to 75 l/min (4 – 20 gsm)
Accuracy	+/- 1% (of reading)
Repeatability	+/- 0.50%
Max working pressure	50 psi (3.5 bar)



### MECHANICAL FUEL METER

PART NUMBER	DESCRIPTION
GR-ZFM100	Mechanical fuel meter

**FEATURES**

The 3 veins give the pump the ability to deliver media with a lift up to 6.1 m (20 ft).

- Delivers media with a head / lift up to 6.1 m (20 ft)
- Delivers 38 l/min (10 g/min)
- 8 ft antistatic discharge hose with flame arrestor & vacuum breaker
- Suitable for gasoline, diesel & kerosene



4005

**INDUSTRIAL ROTARY FUEL PUMP**

PART NUMBER	DESCRIPTION
GR-ZRBP3V	Industrial rotary fuel pump

**FEATURES**

- 2 m / 6.5 ft suction hose with filter
- 4 m / 13 ft delivery hose with aluminium manual nozzle
- 2 m / 6.5 ft long battery cable with crocodile clips
- Self priming diesel transfer pump
- Bypass valve built into pump casing
- Waterproof to IP55
- Flow rate – 40 l/min (10 GPM)
- Duty cycle – 30 mins on / 30 mins off



4005

**FUEL TRANSFER PUMP KIT**

PART NUMBER	DESCRIPTION
GR-J10304022	12 V
GR-J10304024	24 V

**FEATURES**

- Stainless steel, automatic nozzle, suitable for use with AdBlue pumps
- Automatically shuts off flow when the vehicle tank is full
- Heavy duty, stainless steel (SS304) cast body with polyamide cover
- Built-in stainless steel swivel for ease of use

**SPECIFICATIONS**

Flow rate	45 l/min
Working temperature range	10°C to 50°C
Max working pressure	50 psi
Inlet	3/4" hose barb



4005

**3/4" ADBLUE NOZZLE – AUTOMATIC SHUT-OFF STAINLESS STEEL**

PART NUMBER	DESCRIPTION
GR-ZFCNASSS34	3/4" stainless steel AdBlue nozzle

**FEATURES**

For use with DEF, AdBlue, urea, windshield fluids & other water based media.

- Nylon construction with stainless steel internal parts & FKM seal
- Nozzle spout with notches to stop the gun from slipping from the tank during delivery
- Manual control
- Includes continuous flow switch for unattended dispensing
- Designed for minimal back pressure & reduction in flow

**SPECIFICATIONS**

Flow rate	90 l/min
Working temperature range	Up to 60°C
Max working pressure	5 bar
Inlet	3/4" hose barb



4005

**3/4" ADBLUE NOZZLE – MANUAL**

PART NUMBER	DESCRIPTION
GR-ZABN34	3/4" AdBlue nozzle

**FEATURES**

Lever action barrel pump for AdBlue, antifreeze, detergents, pesticides & high viscosity oils. Supplied with suction tube & 2 m discharge hose. Pump outlet is fitted with an air vent cap, which when loosened, breaks the siphon action. Supplied complete with suction tube for use with 50 – 205 litre drums & 2 m 3/4" flexible corrugated discharge hose.

**Do not use with: Any media not compatible with materials used in the pump construction. These pumps must not be used for fuel transfer or with solvent thinners, etc.**



4005

**LEVER ADBLUE PUMP**

PART NUMBER	DESCRIPTION
GR-ZPLP02	Lever AdBlue pump

**FEATURES**

- Pump complete with control nozzle, telescopic suction tube & 1.5 m flexible hose
- 2900 mAh rechargeable lithium-ion battery rechargeable via USB 2.0 type B connector (USB cable included)
- Charge time: 3 hrs
- Flow rate: up to 11.5 l/min
- Duty cycle: maximum 15 mins on & 30 mins off
- Fully charged battery can discharge up to 300 litres (tested using water)
- Wetted components: polypropylene, polyethylene, PVC & acetal
- Recommended use: gasoline, diesel, kerosene, light oils, AdBlue, DEF, water, antifreeze, windscreen fluid, mild detergents & agricultural chemicals
- Do not use with: acids, acetone, benzene, cresol, ethyl, phenol, methyl ethyl, thinners, solvents, etc



4005

**RECHARGEABLE DEF / ADBLUE PUMP BATTERY OPERATED**

PART NUMBER	DESCRIPTION
GR-ZBOP60	Flow rate up to 11.5 l/min

**LUBRICATION ACCESSORIES**

**DESCRIPTION**

Digital turbine meter with polypropylene construction, designed especially for use with DEF (diesel exhaust fluid), water etc.

**FEATURES**

- Polyamide turbine measuring mechanism
- Electronic display using one 3 V CR2450 battery
- Polypropylene body & sealed electronic card making it suitable for use in severe weather conditions (IP55)
- Display can be rotated in 4 different positions
- Bi-directional – either ports can be used as inlet / outlet
- Measures in litres, quarts, pints & gallons
- Easy user re-calibration
- Ports: 1" BSPF female
- Recommended use: urea, AdBlue, DEF, windscreen fluids, water & water based media
- Not suitable for fuels & oil
- Wetted components: polypropylene, polyamide & stainless steel

**SPECIFICATIONS**

Flow rate	4 – 120 l/min (1 – 30 g/m)
Accuracy	+ / - 1%
Repeatability	+ / - 0.25%
Max. working pressure	145 psi (10 bar)
Water resistance	IP55
Working temp. range	-20°C to +70°C
Max. resettable & non-resettable batch total	99,99,999 units
Least count / resolution	0.001 units



**DIGITAL TURBINE METER**

4005

PART NUMBER	DESCRIPTION
GR-ZWM2000	Digital turbine meter

**FEATURES**

An easy & convenient tool to open almost all types of drum. Designed to fit most 2" & 3/4" drum plugs. Manufactured from cast aluminium, hardened & tempered for increased strength.



**DRUM WRENCH**

4005

PART NUMBER	DESCRIPTION
GR-ZDR	Drum wrench

**LIQUID MIXERS**

**FEATURES**

Designed for mixing coolant concentrate & detergents with water for supply to machines.

- Driven by pressure from water supply
- Includes full brass ball valve & also fitted with 2 back flow preventers
- Adjustment of mixing ratio is variable & controlled through a simple turn of the knob

**SPECIFICATIONS**

Mixing ratio	0 to 11%
Capacity	1100 litres per hour



**COOLANT LIQUID MIXER**

**FOR USE WITH METAL WORKING FLUIDS**

4005

PART NUMBER	DESCRIPTION
GR-ZCMX1	Coolant liquid mixer with 1/2" inlet

**FEATURES**

Designed for mixing coolant concentrate & detergents with water for supply to machines.

- Driven by pressure from water supply
- Includes full brass ball valve & also fitted with 2 back flow preventers
- Adjustment of mixing ratio is variable & controlled through a simple turn of the knob

**SPECIFICATIONS**

Mixing ratio	0 to 57%
Capacity	1250 litres per hour



**COOLANT LIQUID MIXER**

**FOR USE WITH SOAP SOLUTIONS**

4005

PART NUMBER	DESCRIPTION
GR-ZCMX2	Coolant liquid mixer with 1/2" inlet

**FEATURES**

The Groz coolant / liquid mixers use a rotary disc valve, which is precision CNC machined from stainless steel & is highly accurate. The compact construction & minimal parts makes them easy to install, highly reliable & virtually maintenance free, whilst providing easy & fast adjustment. Common applications are mixing liquid coolant concentrate & detergents with water for supply to machines.

- Lightweight aluminium body
- Driven by pressure from water supply
- Includes full flow brass ball valve & also fitted with 2 back flow preventers
- Adjustment of mixing ratio is variable & controlled through a simple turn of the knob
- Application: Metal working fluids

**SPECIFICATIONS**

Mixing ratio	0 to 9%
Capacity	1100 litres per hour



**COOLANT LIQUID MIXER**

**FOR GENERAL USE**

4005

PART NUMBER	DESCRIPTION
GR-ZCMX3	Coolant liquid mixer with 1/2" inlet

## GREASE CONTROL GUNS & PUMPS

### FEATURES / BENEFITS

- Max working pressure: above 300 bar
- To be used with 400 g (14 oz) grease cartridges or bulk grease



**LEVER ACTION GREASE PUMPS**  
500 CC

7800

PART NUMBER	DESCRIPTION
s101200	Universal
s100900	Heavy duty



**GREASE CONTROL GUN**  
C/W Z SWIVEL  
RIGID STEM & 3 JAW CONNECTOR

7800

PART NUMBER	DESCRIPTION
s413080	Grease gun c/w Z swivel

## MOBILE GREASE UNITS & CONNECTORS

### FEATURES / BENEFITS

- PumpMaster 3 – 55:1 grease pump
- Carrying handle
- 2 m x ø1/4" high pressure hose
- High pressure, grease control gun with Z swivel
- Two wheeled trolley



**AIR OPERATED**  
MOBILE AIR GREASE KIT C/W  
FOLLOWER PLATE

7800

PART NUMBER	DESCRIPTION
s424152.002	For 12.5 to 18 kg pails

**HIGH PRESSURE GREASE**  
CONNECTORS  
1/8" FEMALE BSPP



7800

PART NUMBER	DESCRIPTION
s121011	4 Jaw ø15 mm x L 37 mm

## NIPPLES & CONNECTORS

**HYDRAULIC GREASE NIPPLES**  
STRAIGHT MALE THREAD



7800

PART NUMBER	THREAD
s011600	1/8" BSPP
s011620	1/4" BSPP

**METAL BODIED**  
SELF CLOSING TAP  
MALE THREAD



7800

PART NUMBER	THREAD
s318001	2"

**HYDRAULIC GREASE NIPPLES**  
90° MALE THREAD



7800

PART NUMBER	THREAD
s015600	1/8" BSPP
s015620	1/4" BSPP

**LOCKABLE METAL**  
SELF CLOSING TAP  
MALE THREAD



7800

PART NUMBER	THREAD
s318000	3/4"

**HYDRAULIC GREASE NIPPLES**  
45° MALE THREAD



7800

PART NUMBER	THREAD
s013600	1/8" BSPP
s013620	1/4" BSPP

Other sizes  
available upon  
request

## FLEXIBLE GREASE HOSE

### FEATURES / BENEFITS

- Max working pressure: 400 bar
- Burst pressure: 900 bar



**SINGLE STEEL BRAID RUBBER HOSE**  
MALE THREAD

7800

PART NUMBER	THREAD	LENGTH
s132031	1/8" BSPT	300 mm
s132045	1/8" BSPT	450 mm

### FEATURES / BENEFITS

- Max working pressure: 400 bar
- Burst pressure: 900 bar



**NYLON BRAID POLYAMIDE COATED HOSE**  
MALE THREAD

7800

PART NUMBER	THREAD	LENGTH
s130032	1/8" BSPT	230 mm
s130031	1/8" BSPT	300 mm
s130045	1/8" BSPT	450 mm
s130033	1/8" BSPT	600 mm

## MEASURES

### FLEXISPOUT MEASURES

MOULDED POLYETHYLENE



7800

PART NUMBER	SIZE
s675001	1 litre
s675002	2 litre
s675003	3 litre
s675005	5 litre

### GRADUATED MEASURING JUGS

PACK OF 6



7800

PART NUMBER	SIZE
s678099	1/4", 1/2", 1, 2, 3 & 5 litre

## FUNNELS

### OFF-SET

WITH HANDLE & BRASS FILTER



7800

PART NUMBER	SIZE
s670017	160 mm

### INDUSTRIAL

300 MM



7800

PART NUMBER	DESCRIPTION
s671030	With filter for diesel
s671031	With filter for lubricants

### FLEXIBLE SPOUT

WITH FILTER



7800

PART NUMBER	SIZE
s670019	190 mm
s670023	230 mm

## OIL DRAIN PANS



7800

### PLASTIC DRAIN PAN

PART NUMBER	DESCRIPTION
s673007	7 litre capacity



7800

### PLASTIC DRAIN PAN

PART NUMBER	DESCRIPTION
s673014	14 litre capacity

## MANUAL SYPHON PUMPS



7800

### PISTON OPERATED 850 MM TUBE

PART NUMBER	DESCRIPTION
s300101	For drums up to 205 litres



7800

### PISTON OPERATED 590 MM TUBE

PART NUMBER	DESCRIPTION
s300100	For drums up to 60 litres

## GEAR OIL PUMP

### FEATURES / BENEFITS

- For the dispensing of gear oil
- 1500 mm flexible hose, shut-off valve & dispensing nozzle for drums up to 25 litres



7800

### TROLLEY

PART NUMBER	DESCRIPTION
s430800	For drums up to 25 litres



7800

### GEAR OIL PUMP DRUM CONVERTING ADAPTOR MAY BE REQUIRED

PART NUMBER	DESCRIPTION
s320390209	C/W 2" BSPP adaptor

**Trolley not included**

## LEVER PUMPS

### FEATURES / BENEFITS

- To fit 2" BSPP or 2" NPT threads
- Adjustable locking nut
- Unique design incorporates a toggle mechanism in the handle linkage to correct piston shaft geometry to create smooth operation



7800

### PLASTIC LEVER ACTION PUMPS 500 CC / STROKE

PART NUMBER	DESCRIPTION
s300007	Fitted with FKM seal
s300006	Fitted with EPDM seal

### FEATURES / BENEFITS

- High quality pump for transfer of all types of light lubricants as well as other non-corrosive fluids from 50 to 205 litre drums



7800

### METAL LEVER ACTION PUMP

PART NUMBER	DESCRIPTION
s304500	0.45 litre / stroke delivery

## LIFT PUMPS

### FEATURES / BENEFITS

- PTFE seals to offer maximum chemical resistance
- To fit 2" BSPP or 2" NPT threads
- Plastic sleeved, steel piston rods, so that only compatible material comes into contact with the fluid being handled



### POLYPROPYLENE LIFT PUMPS 500 CC / STROKE

7800

PART NUMBER	DESCRIPTION
s300200	500 mm downtube
s300201	1000 mm downtube

### FEATURES / BENEFITS

- PTFE seals to offer maximum chemical resistance
- To fit 2" BSP or 2" NPT threads
- Plastic sleeved, steel piston rods, so that only compatible material comes into contact with the fluid being handled



### NYLON LIFT PUMPS 500 CC / STROKE

7800

PART NUMBER	DESCRIPTION
s300300	500 mm downtube

## DRUM CONVERTING ADAPTORS

### CONVERTING ADAPTORS



7800

PART NUMBER	THREAD
s317911	2" BSPP to 2" Trisure

### CONVERTING ADAPTORS



7800

PART NUMBER	THREAD
s317912	2" BSPP to 2" Mauser

### CONVERTING ADAPTORS



7800

PART NUMBER	THREAD
s317913	2" BSPP to DIN 61

### CONVERTING ADAPTORS



7800

PART NUMBER	THREAD
s317914	2" BSPP to 59 mm Tournex

### CONVERTING ADAPTORS



7800

PART NUMBER	THREAD
s317915	2" BSPP to DIN 51

### CONVERTING ADAPTORS



7800

PART NUMBER	THREAD
s317916	2" BSPP to 63 mm

### CONVERTING ADAPTORS



7800

PART NUMBER	THREAD
s317917	2" BSPP to DIN 71

## MOBILE DISPENSING KIT

### FEATURES

- Hand operated
- 16 litre



### OIL BUCKET PUMP

7800

PART NUMBER	CAPACITY
s320400	16 litre

SPECIFICATIONS	P CW254TC	P CW504TCAL	P CW5010AL	P CW5015AL	P CW5024AL	P CW50224AL
Working pressure	8 bar					
Noise level	40 dBA	45 dBA	45 dBA	45 dBA	45 dBA	47 dBA
Voltage	230 V / 50 Hz					
Dimensions L x D x H	340 x 350 x 340 mm	340 x 350 x 340 mm	330 x 350 x 450 mm	350 x 350 x 480 mm	400 x 400 x 510 mm	400 x 400 x 510 mm

### 3.5 LITRE TANK 0.25 HP / 0.20 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW254TC	25 l/min	18.5 l/min	16 kg

### 3.5 LITRE TANK 0.50 HP / 0.35 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW504TCAL	50 l/min	37 l/min	22 kg

### 10 LITRE TANK 0.50 HP / 0.35 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW5010AL	50 l/min	37 l/min	23 kg

### 15 LITRE TANK 0.50 HP / 0.35 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW5015AL	50 l/min	37 l/min	28 kg

### 24 LITRE TANK 0.50 HP / 0.35 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW5024AL	50 l/min	37 l/min	30 kg

### 24 LITRE TANK 1.00 HP / 0.70 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW50224AL	100 l/min	74 l/min	44 kg

### INTERIM SERVICE KITS OIL, AIR FILTER, SEALS & GASKETS

1240

PART NUMBER	SERIES
P CW25ISK	CW25
P CW50ISK	CW50
P CW50X2ISK	CW50x2

### MAIN SERVICE KITS OIL, AIR FILTER, SEALS, GASKETS & VALVE PLATE KIT

1240

PART NUMBER	SERIES
P CW25MSK	CW25
P CW50MSK	CW50
P CW50X2MSK	CW50x2

SPECIFICATIONS	P CW10024AL	P CW10050AL	P CW15050AL	P CW20050AL
Working pressure	8 bar	8 bar	8 bar	8 bar
Noise level	47 dBA	47 dBA	48 dBA	49 dBA
Voltage	230 V / 50 Hz			
Dimensions L x D x H	650 x 360 x 550 mm	850 x 440 x 750 mm	850 x 440 x 750 mm	850 x 440 x 750 mm

### 24 LITRE TANK 1.00 HP / 0.70 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW10024AL	100 l/min	74 l/min	43 kg

### 50 LITRE TANK 1.00 HP / 0.70 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW10050AL	100 l/min	74 l/min	56 kg

### 50 LITRE TANK 1.50 HP / 1.00 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW15050AL	150 l/min	111 l/min	71 kg

### 50 LITRE TANK 2.00 HP / 1.40 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CW20050AL	200 l/min	148 l/min	86 kg

### INTERIM SERVICE KITS OIL, AIR FILTER, SEALS & GASKETS

1240

PART NUMBER	SERIES
P CW100ISK	CW100
P CW150ISK	CW150
P CW200ISK	CW200

### MAIN SERVICE KITS OIL, AIR FILTER, SEALS, GASKETS & VALVE PLATE KIT

1240

PART NUMBER	SERIES
P CW100MSK	CW100
P CW150MSK	CW150
P CW200MSK	CW200

SPECIFICATIONS	P SA30TC	P SA50DAL	P SA309
Working pressure	8 bar	8 bar	8 bar
Noise level	40 dBA	43 dB/A	40 dBA
Voltage	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Dimensions L x D x H	280 x 350 x 340 mm	430 x 200 x 450 mm	330 x 330 x 470 mm

### 3.5 LITRE TANK 0.25 HP / 0.20 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P SA30TC	25 l/min	18.5 l/min	18 kg

### 6 LITRE TANK 0.50 HP / 0.35 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P SA50DAL	50 l/min	37 l/min	23 kg

### 9 LITRE TANK 0.25 HP / 0.20 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P SA309	25 l/min	18.5 l/min	18 kg

### INTERIM SERVICE KITS OIL, AIR FILTER, SEALS & GASKETS

1240

PART NUMBER	SERIES
P SA30ISK	SA30
P SA50ISK	SA50

### MAIN SERVICE KITS OIL, AIR FILTER, SEALS, GASKETS & VALVE PLATE KIT

1240

PART NUMBER	SERIES
P SA30MSK	SA30
P SA50MSK	SA50

SPECIFICATIONS	P CMC90/10	P CMC90/24	P CMC90/224	P CMC90D	P AA063	P AA071
Working pressure	7 bar	8 bar				
Noise level	59 dBA	59 dBA	63 dBA	59 dBA	52 dBA	50 dBA
Voltage	230 V / 50 Hz					
Dimensions L x D x H	350 x 350 x 470 mm	410 x 410 x 550 mm	650 x 360 x 550 mm	430 x 200 x 450 mm	440 x 230 x 390 mm	380 x 230 x 390 mm

### 10 LITRE TANK 0.50 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CMC90/10	91 l/min	52 l/min	18 kg

### 24 LITRE TANK 0.50 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CMC90/24	91 l/min	52 l/min	25 kg

### 24 LITRE TANK 1.00 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CMC90/224	182 l/min	104 l/min	38 kg

### 6 LITRE TANK 0.50 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P CMC90D	91 l/min	52 l/min	18 kg

### 3.5 LITRE TANK 0.5 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P AA063	91 l/min	52 l/min	15 kg

### 3.5 LITRE TANK 0.27 KW



1210

PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P AA071	37 l/min	21 l/min	12 kg

## OIL FREE COMPRESSOR ACCESSORIES

### SOUNDPROOF CABINET FOR 24 LITRE TANK



1240

PART NUMBER	SIZE
P SILBOX24	770 x 630 x 820 mm

### FOR 50 LITRE TANK

P SILBOX50	770 x 630 x 1040 mm
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### AIR INTAKE FILTER



1240

PART NUMBER	DESCRIPTION
P C1794	Air intake filter

### INTERIM SERVICE KITS

#### AIR FILTER & PISTON RING KIT

1240

PART NUMBER	SERIES
P DA1ISK	DA1
P DA2ISK	DA2
P DA3ISK	DA3 / DA4
P DA22ISK	DA2x2
P DA32ISK	DA3x2
P DA42ISK	DA4x2

### MAIN SERVICE KITS

#### AS INTERIM KIT PLUS VALVE PLATE KIT & N/R VALVE

1240

PART NUMBER	SERIES
P DA1MSK	DA1
P DA2MSK	DA2
P DA3MSK	DA3 / DA4
P DA22MSK	DA2x2
P DA32MSK	DA3x2
P DA42MSK	DA4x2

SPECIFICATIONS	P DA1245	P DA2505	P DA12457	P DA25057	P DA124379	P DA250379
Working pressure	7 bar					
Noise level	70 dBA	72 dBA	70 dBA	72 dBA	55 dBA	56 dBA
Dimensions L x D x H	450 x 450 x 650 mm	450 x 450 x 900 mm	600 x 450 x 700 mm	650 x 450 x 900 mm	750 x 580 x 810 mm	750 x 580 x 810 mm

## OIL FREE COMPRESSORS – STANDARD

**24 LITRE TANK**  
1.26 HP / 0.93 KW



PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P DA1245	100 l/min	62 l/min	28 kg

**50 LITRE TANK**  
1.7 HP / 1.25 KW



PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P DA2505	155 l/min	121 l/min	44 kg

## OIL FREE COMPRESSORS – WITH DRYER

**24 LITRE TANK**  
1.26 HP / 0.93 KW



PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P DA12457	100 l/min	62 l/min	38 kg

**50 LITRE TANK**  
1.7 HP / 1.25 KW



PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P DA25057	155 l/min	121 l/min	54 kg

## OIL FREE COMPRESSORS – WITH DRYER & SILBOX

**24 LITRE TANK**  
1.26 HP / 0.93 KW



PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P DA124379	100 l/min	62 l/min	68 kg

**50 LITRE TANK**  
1.7 HP / 1.25 KW



PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P DA250379	155 l/min	121 l/min	94 kg

SPECIFICATIONS	P DA221003	P DA321003	P DA421003	P DA2210037	P DA3210037	P DA4210037
Working pressure	7 bar					
Noise level	76 dBA	78 dBA	80 dBA	76 dBA	78 dBA	80 dBA
Dimensions L x D x H	1350 x 410 x 870 mm	1350 x 410 x 870 mm	1350 x 410 x 870 mm	1350 x 650 x 870 mm	1350 x 650 x 870 mm	1350 x 650 x 870 mm

## OIL FREE COMPRESSORS – STANDARD

**100 LITRE TANK**  
3.4 HP / 2.5 KW



PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P DA221003	310 l/min	242 l/min	85 kg

**5.7 HP / 4.2 KW**

P DA321003	414 l/min	288 l/min	95 kg
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**6.7 HP / 4.9 KW**

P DA421003	482 l/min	356 l/min	97 kg
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## OIL FREE COMPRESSORS – WITH DRYER

**100 LITRE TANK**  
3.4 HP / 2.5 KW



PART NUMBER	INPUT	OUTPUT @ 5 BAR	WEIGHT
P DA2210037	310 l/min	242 l/min	105 kg

**5.7 HP / 4.2 KW**

P DA3210037	414 l/min	288 l/min	115 kg
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**6.7 HP / 4.9 KW**

P DA4210037	482 l/min	356 l/min	117 kg
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SPECIFICATIONS	
Fluid	Compressed air
Pressure	11 bar
Hydrostatic test pressure	16.5 bar
Temperature range	-10°C to +60°C
Threads	Parallel UNI – ISO 228/1 (BSPP)
Materials	Bottom: steel FeP04 Shell: steel FeP04 Socket joints: Fe 45.1
External treatments	Epoxide powder painting RAL 5015-110

Atex II 2GDC IIC TX available upon request



1250

### MINI AIR RECEIVER 11 BAR 2 PORT

PART NUMBER	CAPACITY
AIRREC-M2.5L	2.5 litre
AIRREC-M5L	5 litre
AIRREC-M7L	7 litre
AIRREC-M12L	12 litre



1250

### BRACKET FOR USE WITH MINI AIR RECEIVER

PART NUMBER	FOR USE WITH
AIRREC-STBRK	Mini air receiver



1250

### ADAPTOR FOR USE WITH MINI AIR RECEIVER

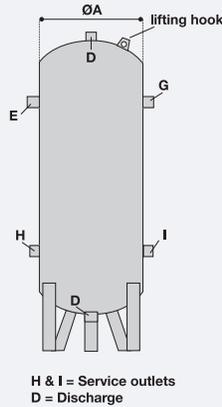
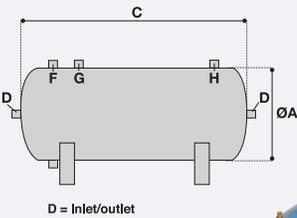
PART NUMBER	FOR USE WITH
AIRREC-RSBA	Mini air receiver

SPECIFICATIONS	
Material	Carbon steel
Standard finishes	Internal: raw External: painted RAL 5015 blue
Upon request	Other colours, other sizes, galvanised
Certification	2014/29/EU (1000 litre vertical 2014/68/UE (PED))
Working pressure	11 bar, 15 bar upon request
FITTINGS KIT CONTENTS	
Fittings kit includes manual drain valve, relief valve & pressure gauge with adaptor for orientation.	

PART NUMBER	A mm	Inlet / outlet EGH I
AIRREC-V100L	370	3/4
AIRREC-V200L	440	1
AIRREC-V270L	490	1
AIRREC-V500L	600	1
AIRREC-V1000L*	800	2

\* Certification 2014/68/UE (PED)

PART NUMBER	A mm	C mm	D inch	F inch	G inch	H inch
AIRREC-H25L	210	694	1/2	3/8	1/2	–
AIRREC-H50L	280	863	1/2	3/8	3/4	–
AIRREC-H100L	350	1085	1/2	3/8	3/4	1/2
AIRREC-H200L	440	1350	1/2	3/8	3/4	1/2



### HORIZONTAL AIR RECEIVER 11 BAR PAINTED BLUE FITTINGS KIT INCLUDED

1250

PART NUMBER	CAPACITY
AIRREC-H25L	25 litre
AIRREC-H50L	50 litre
AIRREC-H100L	100 litre
AIRREC-H200L	200 litre

### VERTICAL AIR RECEIVER UP TO 12 BAR PAINTED BLUE FITTINGS KIT INCLUDED

1250

PART NUMBER	CAPACITY
AIRREC-V100L	100 litre
AIRREC-V200L	200 litre
AIRREC-V270L	270 litre
AIRREC-V500L	500 litre
AIRREC-V1000L	1000 litre

Carriage for 25 to 1000 litre air receivers charged at cost

## ANAEROBICS

### B222 SCREWLOCK

B222 is ideal for low-strength threadlocking of adjusting screws, countersunk head screws & set screws, very good on low strength metals which could break during disassembly.

#### SPECIFICATIONS

Strength	Low
Breakaway torque M10 bolts	6 Nm
Service temperature range	-55°C to +150°C
Viscosity Brookfield	900 – 1500 cps
Colour	Purple
Max. thread size	M6



3010

### B222 SCREWLOCK

PART NUMBER	SIZE
BL-B222/25ML	25 ml
BL-B222/50ML	50 ml

### B270 STUDLOCK

B270 Studlock is a permanent, green coloured, general purpose adhesive for permanent threaded assemblies. B270 locks studs up to 1", sealing against leakage & corrosion. It is chemical resistant, resisting fuels, lubricants & most industrial liquids & gases.

#### SPECIFICATIONS

Strength	High
Breakaway torque M10 bolts	>33 Nm
Service temperature range	-55°C to +180°C
Viscosity Brookfield	400 – 600 cps
Colour	Green
Max. thread size	M20



3010

### B270 STUDLOCK

PART NUMBER	SIZE
BL-B270/25ML	25 ml
BL-B270/50ML	50 ml

### B243 NUTLOCK

B243 is a blue medium strength oil tolerant general purpose threadlocking anaerobic, designed to be used on parts in an 'as received' condition, such as those with protective films (engine oils, cutting fluids & corrosion prevention), etc.

#### SPECIFICATIONS

Strength	Medium
Breakaway torque M10 bolts	25 Nm
Service temperature range	-55°C to +180°C
Viscosity Brookfield	1800 – 3000 cps
Colour	Blue
Max Thread size	M6 – M20



3010

### B243 NUTLOCK

PART NUMBER	SIZE
BL-B243-10ML	10 ml
BL-B243/25ML	25 ml
BL-B243/50ML	50 ml

### B542 HYDRAULIC SEAL

B542 is a medium strength, fast curing hydraulic thread sealant. Provides an instant low-pressure seal & is resistant to fuel, oil, coolants, & hydraulic fluids.

#### SPECIFICATIONS

Strength	Medium
Breakaway torque M10 bolts	15 Nm
Service temperature range	-55°C to +150°C
Viscosity Brookfield	400 – 800 cps
Colour	Brown
Max Thread size	M36



3010

### B542 HYDRAULIC SEAL

PART NUMBER	SIZE
BL-B542/10ML	10 ml
BL-B542/25ML	25 ml
BL-B542/50ML	50 ml

### B574 INSTANT GASKET

B574 is an instant gasket material that forms in place, making almost any size & shape, replacing paper, cork, etc. It eliminates relaxation & loads loss. The assembled parts are usually suitable for immediate low pressure (6 bar) service & once cured, can resist 350 bar pressure, depending on gap size.

#### SPECIFICATIONS

Strength	Medium
Service temperature range	-55°C to +150°C
Viscosity Brookfield	30,000 – 50,000 cps
Colour	Orange
Gap fill	0.3 mm
Shear strength	5 – 8.5 N/mm <sup>2</sup>



3010

### B574 INSTANT GASKET

PART NUMBER	SIZE
BL-B574/50ML	50 ml

### B577 PIPE SEAL

B577 Pipe Seal is a high viscosity thixotropic gel paste, which cures rapidly, sealing instantly to 10 bar through its anaerobic cure system when in contact with metals in the absence of air (oxygen). When fully cured, it resists pressure up to 350 bar. B577 is not suitable for oxygen systems. Good chemical / solvent resistance to ethanol, motor oil, unleaded petrol, acetone & brake fluid.

#### SPECIFICATIONS

Strength	Medium
Breakaway torque M10 bolts	11 Nm
Service temperature range	-55°C to +180°C
Viscosity Brookfield	80,000 – 90,000 cps
Colour	Yellow
Max Thread size	M80



3010

### B577 PIPE SEAL

PART NUMBER	SIZE
BL-B577/50ML	50 ml
BL-B577C-50ML	50 ml CLAM
BL-B577/250ML	250 ml

## ANAEROBICS

### B641 BEARING FIT

Bearing Fit B641 is a single part anaerobic securing compound, designed for fitting cylindrical metal assemblies & cures when confined between the parts. B641 will secure all types & sizes of bearings, shafts & cylindrical parts which will require disassembly in the future. B641 is of medium strength & is colour coded yellow for job identification.

#### SPECIFICATIONS

Strength	Medium
Static shear strength	>6 N/mm <sup>2</sup>
Service temperature range	-55°C to +150°C
Viscosity Brookfield	400 – 800 cps
Colour	Yellow
Gap fill	0.1 mm



3010

### B641 BEARING FIT

PART NUMBER	SIZE
BL-B641/10ML	10 ml
BL-B641/25ML	25 ml
BL-B641C-25ML	25 ml CLAM
BL-B641/50ML	50 ml
BL-B641/250ML	250 ml

### B7649 ANAEROBIC ACTIVATOR

B7649 speeds cure of all anaerobic fluids & pastes & extends cure through volume. Use B7649 when materials are inactive (passivated metals) or where temperature is under 15°C.

- Activates anaerobic adhesives
- Accelerates cure time
- Recommended for passive metals or inert surfaces

#### SPECIFICATIONS

Colour	Yellow to amber
Solvent	Heptane based



3010

### B7649 ANAEROBIC ACTIVATOR

PART NUMBER	SIZE
BL-B7649/200ML	200 ml

## STRUCTURAL ADHESIVES

### B2001 METAL EPOXY STICK

B2001 is a steel-filled epoxy putty for general maintenance & repairs. For filling, rebuilding & bonding metal surfaces. Can be sanded, drilled & painted once cured.

#### SPECIFICATIONS

Temperature resistance	
Continuous	121°C
Intermittent	149°C
Viscosity Brookfield	Putty
Colour	Black turns to grey after mixing



3015

### B2001 METAL EPOXY STICK

PART NUMBER	SIZE
BL-B2001/50GM	50 g
BL-B2001C-50G	50 g CLAM

### B3294 PLASTIC WELD

A toughened structural methacrylate adhesive formulated for bonding dissimilar substrates as well as unprepared metals, ceramics, composite, concrete & standard thermoset plastics. The final adhesive bond is designed to be load bearing & resistant to weathering, humidity & wide temperature variations.

#### SPECIFICATIONS

Colour	Off white
Thixotropic/non-sagging	Plastic weld
Working time	5 minutes
Fixture time	12 minutes



3015

### B3294 PLASTIC WELD

PART NUMBER	SIZE
BL-B3294/25ML	25 ml

## Do you also need?



## Hydraulic adaptors



Find it on pages 193 – 198, section four

## CYANOACRYLATES

### B415 INSTANT ADHESIVE

A high viscosity methyl based product that is good for where high humidity is present. Designed for metal bonding, it can also be used for general purpose applications.

#### SPECIFICATIONS

Base	Methyl
Appearance	Clear, colourless
Density	1.06
Shelf life	12 months
Viscosity Brookfield at 25°C	1200 – 1800 cps



3010

### B415 INSTANT ADHESIVE

PART NUMBER	SIZE
BL-B415/20GM	20 g
BL-B415/50G	50 g

### B7455 CYANOACRYLATE ACTIVATOR

B7455 activator is used for the fast curing of cyanoacrylates, depositing a correct balance of neutralising ions on the surface, stimulating attraction for the adhesive & preparing the surface for bonding.

#### SPECIFICATIONS

Colour	Clear
Cure speed	<10 secs
Max. operating temp.	-5°C to +25°C
Shelf life	18 months
Viscosity Brookfield at 25°C	<10 cps



3010

### B7455 CYANOACRYLATE ACTIVATOR

PART NUMBER	SIZE
BL-B7455/200ML	200 ml

### B401 INSTANT ADHESIVE

B401 is suitable for difficult to bond surfaces, including metals, plastics, wood, ceramics, rubber, leather, card, glass & many other materials.

#### SPECIFICATIONS

Ester base	Ethyl-2-cyanoacrylate
Appearance	Clear, colourless
Density	1.06
Shelf life	12 months
Viscosity Brookfield at 25°C	90 – 120 cps



3010

### B401 INSTANT ADHESIVE

PART NUMBER	SIZE
BL-B401/20GM	20 g
BL-B401C-20G	20 g CLAM
BL-B401-50G	50 g

### B406 INSTANT ADHESIVE

B406 is designed for bonding rubbers, plastics & elastomeric materials. Ideal for O-rings & where a rapid fixture is required.

#### SPECIFICATIONS

Ester base	Ethyl-2-cyanoacrylate
Appearance	Clear, colourless
Density	1.06
Shelf life	12 months
Viscosity Brookfield at 25°C	25 – 35 cps



3010

### B406 INSTANT ADHESIVE

PART NUMBER	SIZE
BL-B406/20GM	20 g
BL-B406C-20G	20 g CLAM
BL-B406/50G	50 g

### B454 INSTANT ADHESIVE

A non-drip gel designed for difficult to bond materials which require uniform stress distribution & strong tension / shear strength. Ideal for vertical or overhead applications.

#### SPECIFICATIONS

Ester base	Ethyl-2-cyanoacrylate
Appearance	Clear, colourless
Density	1.1
Shelf life	12 months
Viscosity Brookfield at 25°C	Gel



3010

### B454 INSTANT ADHESIVE

PART NUMBER	SIZE
BL-B454C-20G	20 g CLAM

## SEALANTS

### B5299 HIGH TEMP RTV

B5299 RTV is a single component, high modulus, acetoxy curing silicone sealant / adhesive that vulcanises at room temperature, to provide a permanently flexible seal & bond. Forms a tough, flexible gasket / seal that resists ageing, weathering & thermal cycling without hardening. Ideal for oil pans, transmission pans, differential covers, timing gears & valve covers. Suitable for sealing aluminium & metal ducting, refrigeration applications & hygiene seals.



3015

### B5299 HIGH TEMP RTV CARTRIDGE

PART NUMBER	SIZE	COLOUR
BL-B5299/310ML	310 ml	Red
BL-B5299/310MLB	310 ml	Black

## PIPE & THREAD SEALING

### 55 SERIES

- Fittings can be backed off up to 45° for alignment without fear of leakage
- WRAS approval for drinking water & approved for use on gas fittings

Maximum thread size	Tested to 4"
Temperature resistance	130°C
Substrate to be sealed	Metal, plastic or both
Instant low pressure seal	Yes (full pressure) on taper fittings



3000

### 55 SERIES 50 M

PART NUMBER	SIZE	STRENGTH
LT55-50	50 m	Low

## THREADLOCKING

### 243 SERIES – GENERAL PURPOSE

Maximum thread size	M36
Temperature resistance	180°C
Substrate to be sealed	Metal



3000



### 243 SERIES THREADLOCKER

PART NUMBER	SIZE	STRENGTH
LT243-10	10 ml	Medium
LT243-50	50 ml	Medium

### 542 SERIES – HYDRAULIC & PNEUMATIC

Maximum thread size	3/4"
Temperature resistance	150°C
Substrate to be sealed	Metal
Instant low pressure seal	No



3000

### 542 SERIES HYDRAULIC & PNEUMATIC 50 ML

PART NUMBER	SIZE	STRENGTH
LT542-5	50 ml	Medium

### 270 SERIES – GENERAL PURPOSE

Temperature resistance	180°C
Substrate to be sealed	Metal



3000



### 270 SERIES THREADLOCKER

PART NUMBER	SIZE	STRENGTH
LT270-10	10 ml	High
LT270-50	50 ml	High

### 577 SERIES – GENERAL PURPOSE

Maximum thread size	3"
Temperature resistance	180°C
Substrate to be sealed	Metal
Instant low pressure seal	Yes on taper / parallel fittings



3000

### 577 SERIES GENERAL PURPOSE

PART NUMBER	SIZE	STRENGTH
LT577-5	50 ml	Medium
LT577-250	250 ml	Medium

### 648 SERIES – GENERAL PURPOSE

Temperature resistance	180°C
Substrate to be sealed	Metal



3000



### 648 SERIES RETAINING COMPOUND 50 ML

PART NUMBER	SIZE	STRENGTH
LT648-50	50 ml	High

### AMBERCLENS FG

- NSF A1 registered (N° 137995)
- Stable, non-dripping foam
- Foaming action helps break down soiling for effective cleaning
- Cleans equipment, metal parts & machinery
- Biodegradable



3020

### AMBERCLENS FG NSF A1 FOAM CLEANER

PART NUMBER	SIZE
AMB-30241-AA-500ML	500 ml

### STAINLESS STEEL CLEANER FG

- NSF A7 & C1 registered (No.138212)
- Dual action: cleans & polishes in one application
- Dense foam allows use on vertical surfaces without dripping
- Leaves an invisible, non-greasy film for lasting shine
- Ideal post-maintenance cleaner



3020

### STAINLESS STEEL CLEANER FG NSF A7 & C1 STAINLESS STEEL CLEANER

PART NUMBER	SIZE
AMB-30249-AA-500ML	500 ml

### DEGREASER FG

- NSF A1 registered (N°137997)
- Readily biodegradable & non-flammable
- Effective in both cold & warm water
- Use on gearboxes, hydraulic systems, open gears, chains & pumps to remove a variety of heavy soiling types
- Concentrated for convenience & economy



3020

### DEGREASER FG NSF A1 WATER BASED DEGREASER

PART NUMBER	SIZE
AMB-30243-AA-750ML	750 ml

### DEGREASER RTU

- Removes tough, stubborn soiling such as heavy oil, grease, grime, silicones, wax & old lubricants
- Safe for use on most plastics, rubber & painted surfaces
- Contains a highly effective corrosion inhibitor to help prevent flash rusting



3020

### DEGREASER RTU BIODEGRADABLE CLEANER / DEGREASER

PART NUMBER	SIZE
AMB-31464-AA-750ML	750 ml

### AMBERKLENE ME20

- Heavy duty cleaner for extra stubborn stains & soiling
- Removes heavy deposits of oil & grease, waxes & silicones
- Superior wetting properties ensure extended contact time with soiling
- Higher flash point of 41°C
- Leaves a clean, dry surface



3020

### AMBERKLENE ME20 HEAVY DUTY SOLVENT

PART NUMBER	SIZE
AMB-31554-AA-400ML	400 ml

### AMBERKLENE LO30

- Highly effective cleaner / degreaser
- Fast evaporating, leaving surfaces clean & dry & will not stress-crack acrylic
- Safe for use on metals & painted surfaces
- Listed in British Airways' standard practice manual
- Ultra low conductivity
- Meets US Federal Spec. TT-N-95Bv Type II
- Automotive approval: Ford Tox No.: 166741



3020

### AMBERKLENE LO30 LOWER ODOUR SOLVENT

PART NUMBER	SIZE
AMB-31555-AA-400ML	400 ml

### BA40 SOLVENT

- Extremely fast evaporating solvent degreaser
- Removes many stubborn residues, such as uncured polysulphides, adhesives, inks, resins, varnishes & lacquers
- Low pressure spray provides even coverage & prevents splash back in use



3020

### BA40 SOLVENT WATER SOLUBLE SOLVENT

PART NUMBER	SIZE
AMB-31556-AA-400ML	400 ml

### FREEZER / 2

- Reduces component temperature to -50°C
- Non-flammable, low toxicity & odourless in use
- Cools thermally sensitive parts during soldering or calibration



3020

### FREEZER / 2 FAULT DETECTION FOR ELECTRONICS

PART NUMBER	SIZE
AMB-33182-AA-400ML	400 ml

### UNIVERSAL SCREEN CLEANER FG

- Excellent material compatibility that won't damage delicate screens
- Can be used on most screen types, including LCD, TFT & plasma
- Stable foam clings to vertical surfaces
- Use a low lint cloth to wipe screen to a smear free finish
- Very economical in use



3020

### UNIVERSAL SCREEN CLEANER FG FOR VDUS

PART NUMBER	SIZE
AMB-30236-AA-400ML	400 ml

### AMBERTRON

- Ultra pure formulation for maintenance of critical electronics
- Very fast evaporation
- Excellent material compatibility. Safe for use on metals, glass, plastics & rubber
- Non-conductive
- Quick & efficient cleaning
- Automotive approval: Ford Tox N° 166300



3020

### AMBERTRON CONTACT CLEANER

PART NUMBER	SIZE
AMB-31552-AA-400ML	400 ml

### LABEL & ADHESIVE REMOVER FG

- NSF K3 registered (N° 140259) for use in the food industry
- Good material compatibility (always test prior to application)
- Reduces the need for scraping & the potential damage caused
- Improves packaging line efficiency by reducing jamming caused by label & adhesive build-up



3020

### LABEL & ADHESIVE REMOVER FG NSF K3 REGISTERED LABEL & ADHESIVE REMOVER

PART NUMBER	SIZE
AMB-30254-AA-200ML	200 ml

### SOLVENT CLEANER FG

- NSF K1 registered (No.149687)
- Minimal odour
- Cuts through oils, grease residues, mould release agents, polymer residues, & anti-corrosion coatings
- Zero residue
- Good materials compatibility



3020

### SOLVENT CLEANER FG LOW ODOUR SOLVENT CLEANER

PART NUMBER	SIZE
AMB-32448-400ML	400 ml

### PENETRATING OIL

- Frees seized components rapidly
- Lubricates fine & close tolerance threads
- Contains MoS<sub>2</sub>
- Facilitates easier reassembly
- Softens rust & carbon deposits



3020

### PENETRATING OIL PENETRANT FOR SEIZED PARTS

PART NUMBER	SIZE
AMB-30240-AA-400ML	400 ml

### CHAINSAPRAY

- Offers maximum adhesion to chain links, with excellent penetration
- Resists 'water wash off' & dust absorption
- High temperature resistance up to +200°C (300°C intermittent)
- Separate version specifically developed for fork lift trucks (500 ml)



3020

### CHAINSAPRAY CHAIN & DRIVE LUBRICANT

PART NUMBER	SIZE
AMB-31575-AA-400ML	400 ml

### PENETRATING OIL FG

- NSF H1 registered (No. 140260)
- Spray on, allow to penetrate, & remove seized fasteners without damaging the head, thread or risk shearing
- Does not contain silicone
- Safe for use on all metals



3020

### PENETRATING OIL FG NSF REGISTERED PENETRANT FOR SEIZED PARTS

PART NUMBER	SIZE
AMB-30256-AA-400ML	400 ml

### BELT DRESSING FG

- Belt Dressing FG is NSF H1 registered (N° 140257)
- Works on all types of belt: vee, flat, toothed, rubber, leather & fabric
- Protects belts from deterioration through oxidation & heat



3020

### BELT DRESSING FG ADHESIVE BELT LUBRICANT

PART NUMBER	SIZE
AMB-30257-AA-400ML	400 ml

### RUST FLASH

- Utilises the laws of thermo-dynamics to shock rust down to -40°C
- Rust is shock-cooled, causing it to crack & allow penetrating oils to work
- Very fast acting for rapid job turnaround



3020

### RUST FLASH RUST LOOSENER WITH FREEZE SHOCK EFFECT

PART NUMBER	SIZE
AMB-31578-AA-500ML	500 ml

### CHAIN LUBE FG

- NSF H1 registered (N°137998)
- Excellent penetration & lubrication properties
- Can be used as a general, heavy duty PTFE lubricant
- Leaves a tenacious, long lasting, lubricating film
- Operational temperature range: -15°C to +175°C



3020

### CHAIN LUBE FG NSF H1 CHAIN LUBRICANT WITH PTFE

PART NUMBER	SIZE
AMB-30245-AA-400ML	400 ml

### 40+

- An engineer's essential 'cure-all' product
- Quickly frees seized nuts & bolts & reduces wear
- High corrosion protection & water displacement properties – passes IP178, Methods A & B
- Non-conductive film
- Safe on most paints, rubbers & plastics
- Operational temperature range: -20°C to +115°C
- No silicone
- Multiple approvals: Rolls Royce Aerospace, British Rail, Ford Motor Company, Swift Caravans



3020

### 40+ MULTI-PURPOSE, INDUSTRIAL PROTECTIVE LUBRICANT

PART NUMBER	SIZE
AMB-31563-AA-400ML	400 ml

### SILICONE FG

- NSF H1 registered (N°138000) for use in the food & beverage industry
- Excellent general lubricating properties with a relatively dry film
- Highly water-resistant & repels water from treated areas
- Eliminates squeaking, binding & sticking
- Operational temperature range: -40°C to +200°C
- Use on high-speed bagging lines & on chutes / slides



3020

### SILICONE FG NSF H1 REGISTERED SILICONE LUBRICANT

PART NUMBER	SIZE
AMB-30248-AA-400ML	400 ml

### SILICONE ANTI-STICK

- Lubricant is odourless, tasteless, colourless & chemically inert
- Ideal for use where high standards of purity are essential
- Helps prevent line jams, inhibits adhesive build up on blades & sealers
- WRAS approved product: 1310510
- Operational temperature range: -50°C to +200°C



3020

### SILICONE ANTI-STICK CONCENTRATED SILICONE LUBRICANT

PART NUMBER	SIZE
AMB-31572-AA-400ML	400 ml

### ASSEMBLY PASTE FG

- NSF H1 registered (N°138266 & 139900)
- Resists water wash-out, extending re-lubrication intervals when used as a service lubricant
- Prevents seizure of threaded components, quick & easy dismantling
- Operational temperature range: -30°C to +1100°C



3020

### ASSEMBLY PASTE FG ASSEMBLY LUBRICANT & ANTI-SEIZE COMPOUND

PART NUMBER	SIZE
AMB-31587-AA-400ML	400 ml

### AMS4 SILICONE GREASE

- Insulates high voltage parts against leaking or arcing
- Waterproofs electronics in damp or humid conditions
- Meets military & aviation specification Def Stan 68-69/1



3020

### AMS4 SILICONE GREASE MULTI-PURPOSE SILICONE GREASE

PART NUMBER	SIZE
AMB-31566-AA-400ML	400 ml

### COPPER ANTI-SEIZE PASTE

- Formulated with micro-ionised copper & anti-oxidant additives
- Reduces friction & wear
- Good corrosion protection even in highly corrosive environments
- Lead & nickel free
- Operational temperature range: -30°C to +1100°C



3020

### COPPER ANTI-SEIZE PASTE HIGH TEMPERATURE ANTI-SEIZE

PART NUMBER	SIZE
AMB-30239-AA-500G	500 g

**LUBRICANTS**

**AMBERGREASE EXL**

- Suitable for use on all types of antifriction sliding surfaces & plain bearings
- Exceptional load carrying capacity: 4-ball weld load  $\llcorner \gg$  800 kg
- Mean Hertz load: 125 kg, Timken OK load: 25 kg
- Highly visible red, NLGI type 2 grease, lithium-calcium complex thickened
- Operational temperature range: -30°C to +150°C



**AMBERGREASE EXL  
EXTENDED LIFE,  
HIGH PERFORMANCE BEARING GREASE**

3020

PART NUMBER	SIZE
AMB-30304-AB-400G	400 g

**METAL WORKING**

**TUFCUT SPRAY**

- The original Tufcut liquid, in an easy to use aerosol
- Allows heavier close tolerance cuts
- Apply directly to drill bits or work pieces
- Improves heat dissipation & prevents chip welding
- NSF H2 registered (N°147110)



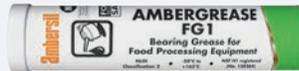
**TUFCUT SPRAY  
METAL CUTTING LUBRICANT**

3020

PART NUMBER	SIZE
AMB-31579-AA-400ML	400 ml

**AMBERGREASE FG1**

- NSF H1 registered (N°138264)
- White, NLGI type 2, aluminium complex grease
- Very good extreme pressure performance: Four ball weld load:  $\llcorner \gg$  200 kg
- Use in areas subjected to moist or wet operating conditions: FG1 has a very low water wash-out ( $\llcorner \llcorner$  1%)
- Operational temperature range: -50°C to +165°C



**AMBERGREASE FG1  
PERFORMANCE GREASE  
FOR FOOD PROCESSING EQUIPMENT**

3020

PART NUMBER	SIZE
AMB-31584-AA-400G	400 g

**TUFCUT FOAM**

- Proven Tufcut liquid in a foam that clings to vertical surfaces
- Particularly effective for in-place maintenance of turbine blades
- Minimal smoking / fumes in use
- Practically zero staining on bright metals



**TUFCUT FOAM  
FOAMING METAL CUTTING  
LUBRICANT**

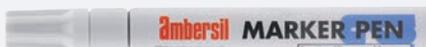
3020

PART NUMBER	SIZE
AMB-31582-AA-300ML	300 ml

**PAINTS**

**FIBRE TIPPED MARKER PEN**

- Fast drying acrylic paint with easy, accurate application
- Able to write on almost any surface & on any substrate colour
- High opacity, even on dark surfaces, ensures outstanding colour vibrancy & visibility
- Advanced pigment technology delivers long lasting, zero fade performance
- Resin binds paint to the writing surface, reducing problems associated with accidental rub-off & will not wash off with water / rain
- Easily removed with a solvent, such as Amberkleene FE10
- Durable tip with valve action to prevent excess paint flow
- Suitable for most industrial marking requirements



**FIBRE TIPPED MARKER PEN**

3020

PART NUMBER	COLOUR
AMB-20394-3MM	White
AMB-20379-3MM	Green
AMB-20399-3MM	Yellow
AMB-20368-3MM	Blue
AMB-20387-3MM	Red
AMB-20383-3MM	Orange
AMB-20364-3MM	Black

**COLD GALVANISE**

- Sacrificial coating protects ferrous metal from corrosion
- For use on bare, clean, non-rusted steel & seams
- Suitable for use as a renovation media: BS EN ISO 1461:1999
- > 99% pure zinc at 88% concentration in the cured film for the optimal balance between protection & adhesion



**COLD GALVANISE  
ZINC RICH PROTECTIVE COATING**

3020

PART NUMBER	SIZE
AMB-30291-400ML	400 ml

## POLYMER PROCESSING

### HD-SIL RELEASE

- A clean, colourless, odourless release agent
- Leaves an oily, heavy duty silicone film for multiple releases
- Operational to +200°C
- Excellent materials compatibility



3020

### HD-SIL RELEASE HEAVY DUTY SILICONE LUBRICANT

PART NUMBER	SIZE
AMB-32353-AA-500ML	500 ml

### NO-SIL RELEASE

- Allows decorative treatment (e.g. painting, plating) of the moulded part
- For use in injection moulding, vacuum forming & many other moulding & forming processes
- Operational up to +170°C



3020

### NO-SIL RELEASE HEAVY DUTY NON-SILICONE RELEASE AGENT

PART NUMBER	SIZE
AMB-31971-AA-500ML	500 ml

### CLEAR MOULD PROTECTIVE

- NSF H1 registered (N°49688)
- Repels & displaces moisture, leaving a durable, clear, protective film
- Will not stain or mark the moulding, recommended for use with clear or white polymers
- Easily 'moulded off' when production recommences
- Protective film allows handling & will resist acid finger marks



3020

### CLEAR MOULD PROTECTIVE TRANSPARENT CORROSION INHIBITOR

PART NUMBER	SIZE
AMB-31547-AA-400ML	400 ml

### MOULD SOLV

- Highly effective, low odour, degreasing agent
- Efficiently cleans plastics, ferrous & non-ferrous metals
- Evaporates to leave a clean, dry surface
- Excellent material compatibility



3020

### MOULD SOLV CLEANER FOR MOULDS & TOOLS

PART NUMBER	SIZE
AMB-31970-AA-500ML	500 ml

### TOOL GUARD

- Easy identification with total coverage assured
- Will not penetrate or creep into the mould tool
- Resists the effects of high humidity & acid finger marking
- Easy to apply with good wetting properties
- Excellent corrosion protection



3020

### TOOL GUARD LIGHT GREEN, MOULD TOOL PROTECTIVE COATING

PART NUMBER	SIZE
AMB-31972-AA-500ML	500 ml



MULTI-USE PRODUCT

- Stops squeaks
- Drives out moisture
- Cleans & protects
- Loosens rusted parts
- Frees sticky mechanisms
- Silicone free



MULTI-USE PRODUCT AEROSOL



6620

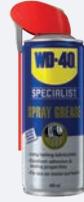
PART NUMBER	DESCRIPTION
Q44101	100 ml aerosol
Q44955/135	400 ml aerosol with flexible straw
Q44237	450 ml aerosol with smart straw
Q44204	600 ml aerosol with smart straw

SPRAY GREASE

- Long lasting lubrication
- Excellent adhesion & sealing properties
- For use on metal surfaces



WD-40 SPRAY GREASE AEROSOL



6620

PART NUMBER	DESCRIPTION
Q44215/NBA	400 ml aerosol
Q44391/44NBA	400 ml white aerosol

MULTI-USE PRODUCT

- Stops squeaks
- Drives out moisture
- Cleans & protects
- Loosens rusted parts
- Frees sticky mechanisms
- Silicone free

MULTI-USE PRODUCT LIQUID



6620

PART NUMBER	DESCRIPTION
Q441047	5 ltr liquid

SPRAY APPLICATOR

- Trigger spray is quick & easy to use & control when dispensing liquid
- Adjustable nozzle allows you to control the flow of liquid
- 500 ml capacity allows you to hold an ample amount of liquid for your desired purpose
- For use with WD-40



WD-40 SPRAY APPLICATOR WITH TRIGGER SUPPLIED EMPTY



6620

PART NUMBER	DESCRIPTION
Q44100/WT	500 ml capacity

ALL CONDITIONS BIKE LUBE

- Smooth gear transitions
- Prevents rust & wear
- Improves chain efficiency



ALL CONDITIONS BIKE LUBE AEROSOL



6620

PART NUMBER	DESCRIPTION
Q44951/NBA	250 ml aerosol

#### 3 IN ONE MULTI PURPOSE OIL

- Original, trusted formulation
- Lubricates, cleans, stops squeaks, & protects surfaces from rust & corrosion
- Low odour, multi purpose oil
- Handy container with an easy-to-use directional spout for precise application & no waste

New

#### 3 IN ONE MULTI PURPOSE OIL AEROSOL



6620

PART NUMBER	DESCRIPTION
Q44486	100 ml aerosol
Q44135	200 ml aerosol

#### 3 IN ONE PENETRANT

- Fast acting
- Loosens seized fixings
- For use on metal parts

New

#### 3 IN ONE PENETRANT AEROSOL



6620

PART NUMBER	DESCRIPTION
Q44601/03	400 ml aerosol

New

#### 3 IN ONE MULTI PURPOSE OIL LIQUID



6620

PART NUMBER	DESCRIPTION
Q44230/P	100 ml drip
Q44231/P	200 ml drip

#### 3 IN ONE BIKE MAINTENANCE

- Spray on moving parts such as the chain, derailleurs, or gears
- Provides long lasting lubrication
- Prevents components from rust & corrosion
- Removes dirt & grime fast
- Leaves a protective coating

New

#### 3 IN ONE MULTI PURPOSE OIL SPRAY WITH PTFE



6620

PART NUMBER	DESCRIPTION
Q44212	250 ml spray

New

#### 3 IN ONE BIKE MAINTENANCE AEROSOL



6620

PART NUMBER	DESCRIPTION
Q44429	250 ml aerosol

#### 3 IN ONE HEAVY DUTY DEGREASER

- Rapid foaming, penetrating action
- Cleans grease, oil, dirt & grime
- For use on metal parts: engines, tools & equipment

New

#### 3 IN ONE HEAVY DUTY DEGREASER AEROSOL



6620

PART NUMBER	DESCRIPTION
Q44615/03	500 ml aerosol

#### GT85

- Lubricates metal & composite parts, leaves a long-lasting protective coat
- Cleans & removes mud, oil & dirt
- Protects surfaces from water, rust & dirt
- Prevents corrosion
- Loosens stuck on bolts & joints
- Brings the shine back to surfaces
- Puts an end to squeaks
- Distinctive lavender smell
- Drives out moisture from electrical systems
- Water displacing properties flush dirt away with ease

New

#### GT85 SPRAY



6620

PART NUMBER	DESCRIPTION
Q44145/SRP	400 ml spray

**LUBRICATING OIL**

VG 22 AIRLINE OIL is a premier quality airline oil of naturally high viscosity index, intended for the lubrication of pneumatic tools, valves & associated equipment. The product is intended for use in systems where it may be necessary to draw off any separated water. VG 22 AIRLINE OIL is inhibited to minimise thermal degradation & foaming, & protect against corrosion & deposit formation. The product is formulated to ensure rapid formation of a mist for lubrication of downstream pneumatic equipment.



9110

**LUBRICATING OIL  
GRADE 22 HM TYPE**

PART NUMBER	DESCRIPTION
H01LL	1 litre
H05LL	5 litre
H20LL	20 litre

**HYDRAULIC OIL**

Premium quality hydraulic oil with additives to improve ageing resistance, corrosion & wear protection, demulsifying.

**PERFORMANCE / SPECIFICATIONS**

HLP hydraulic oil according to DIN 51524-2, ISO 11158-HM.



9110

**HYDRAULIC OIL  
GRADE 32 HM TYPE**

PART NUMBER	DESCRIPTION
H05L	5 litre drum

**BOSS LEAK DETECTOR**

BOSS™ Gas Leak Detector spray is a micro-porous form that will show the smallest gas leaks as bubbles. Spray as upright as possible over joints / connections. It uses a non-flammable CO<sub>2</sub> propellant that does not react with other gases.



9110

**BOSS LEAK DETECTOR**

PART NUMBER	DESCRIPTION
Q84636019	400 ml

**COMPRESSOR OIL**

Sincom/32E is a high performance synthetic compressor oil with antioxidant & antifoam additives. Tailored for high temperature air compressor operation, up to 220°C.



1240

**COMPRESSOR OIL  
SYNTHETIC OIL & FILLER NOZZLE**

PART NUMBER	DESCRIPTION
P C1069	0.5 litre bottle

**P-80 FEATURES**

P-80 emulsion is a unique assembly aid, formulated to provide temporary lubrication, making inserts easy to install, remove or manipulate. For use in manufacturing operations involving natural or synthetic rubber or plastics. Water based, biodegradable, non-flammable, and ready to use.



9110

**P-80 EMULSION  
TEMPORARY RUBBER  
ASSEMBLY LUBRICANT**

PART NUMBER	DESCRIPTION
F P80	1 litre drum

**PTFE TAPE**

WRAS Approval No. 130750.  
Suitable for potable water & oxygen BS7786:2006 Grade L.



2900

**THREAD SEALING TAPE  
PTFE**

PART NUMBER	DESCRIPTION
PTFE TAPE	12 m x 12 mm x 0.075 mm



IMPERIAL O-RING SEAL KITS 382 ASSORTED TYPES



7200

PART NUMBER	DESCRIPTION
D400 999001	Imperial 382 assorted types

IMPERIAL O-RING SEAL KIT CONTENTS					
SIZE	DESCRIPTION	QTY	SIZE	DESCRIPTION	QTY
BS 006	2.9 x 1.78 mm	20	BS 211	20.22 x 3.53 mm	10
BS 007	3.69 x 1.78 mm	20	BS 212	21.82 x 3.53 mm	10
BS 008	4.47 x 1.78 mm	20	BS 213	23.40 x 3.53 mm	10
BS 009	5.28 x 1.78 mm	20	BS 214	25.00 x 3.53 mm	10
BS 010	6.07 x 1.78 mm	20	BS 215	26.57 x 3.53 mm	10
BS 011	7.66 x 1.78 mm	20	BS 216	28.17 x 3.53 mm	10
BS 012	9.25 x 1.78 mm	20	BS 217	29.75 x 3.53 mm	10
BS 110	9.19 x 2.62 mm	13	BS 218	31.34 x 3.53 mm	10
BS 111	10.78 x 2.62 mm	13	BS 219	32.93 x 3.53 mm	10
BS 112	12.37 x 2.62 mm	13	BS 220	34.52 x 3.53 mm	10
BS 113	13.95 x 2.62 mm	13	BS 221	36.10 x 3.53 mm	10
BS 114	15.54 x 2.62 mm	13	BS 222	37.70 x 3.53 mm	10
BS 115	17.13 x 2.62 mm	13	BS 325	37.47 x 5.34 mm	7
BS 116	18.72 x 2.62 mm	13	BS 326	40.65 x 5.34 mm	7
BS 210	18.64 x 3.53 mm	10	BS 327	43.82 x 5.34 mm	7

DESCRIPTION

Bonded seal, mild steel & NBR. Imperial standard 03-TA-SD0001062, metric standard 03-TA-SD0001063



7200

BONDED WASHERS IMPERIAL

PART NUMBER	TO FIT MALE BSPP	INSIDE DIA
D400 020 02	1/8"	10.37 mm
D400 021 04	1/4"	13.74 mm
D400 023 06	3/8"	17.28 mm
D400 025 08	1/2"	21.54 mm
D400 026 10	5/8"	23.49 mm
D400 027 12	3/4"	27.05 mm
D400 030 16	1"	33.89 mm
D400 032 20	1 1/4"	42.93 mm
D400 033 24	1 1/2"	48.44 mm
D400 036 32	2"	60.58 mm

METRIC

PART NUMBER	THREAD SIZE
D400 002 02	4 mm
D400 003 02	5 mm
D400 004 02	6 mm
D400 007 02	8 mm
D400 008 02	10 mm
D400 021 02	12 mm
D400 009 02	14 mm
D400 011 02	16 mm
D400 012 02	18 mm
D400 025 02	20 mm
D400 028 02	22 mm
D400 031 02	24 mm
D400 035 02	26 mm

METRIC O-RING SEAL KITS 386 ASSORTED TYPES



7200

PART NUMBER	DESCRIPTION
D400 999002	Metric 386 assorted types

METRIC O-RING SEAL KIT CONTENTS					
SIZE	DESCRIPTION	QTY	SIZE	DESCRIPTION	QTY
R-01	3 x 2 mm	16	R-16	20 x 3 mm	12
R-02	4 x 2 mm	16	R-17	22 x 3 mm	12
R-03	5 x 2 mm	16	R-18	24 x 3 mm	12
R-04	6 x 2 mm	16	R-19	25 x 3 mm	12
R-05	7 x 2 mm	16	R-20	27 x 3 mm	12
R-06	8 x 2 mm	16	R-21	28 x 3 mm	12
R-07	10 x 2 mm	16	R-22	30 x 3 mm	12
R-08	10 x 2.5 mm	13	R-23	32 x 3 mm	12
R-09	11 x 2.5 mm	13	R-24	33 x 3 mm	12
R-10	12 x 2.5 mm	13	R-25	35 x 3 mm	12
R-11	14 x 2.5 mm	13	R-26	36 x 3 mm	12
R-12	16 x 2.5 mm	13	R-27	38 x 3 mm	12
R-13	17 x 2.5 mm	13	R-28	38 x 4 mm	9
R-14	19 x 2.5 mm	13	R-29	41 x 4 mm	9
R-15	19 x 3 mm	12	R-30	44 x 4 mm	9

STAINLESS STEEL BONDED WASHERS NBR SELF CENTERING



7200

PART NUMBER	SIZE
D400 020S02	1/8" BSPP
D400 021S04	1/4" BSPP
D400 023S06	3/8" BSPP
D400 025S08	1/2" BSPP
D400 027S12	3/4" BSPP
D400 030S16	1" BSPP
D400 032S20	1 1/4" BSPP
D400 033S24	1 1/2" BSPP
D400 036S32	2" BSPP

IMPERIAL BONDED WASHER KITS 90 ASSORTED TYPES



7200

PART NUMBER	DESCRIPTION
D400 999005	Imperial 1/8" to 1"

SIZE	QTY	SIZE	QTY
1/8" BSPP	20	5/8" BSPP	10
1/4" BSPP	15	3/4" BSPP	10
3/8" BSPP	15	1" BSPP	5
1/2" BSPP	15		

METRIC BONDED WASHER KITS 105 ASSORTED TYPES



7200

PART NUMBER	DESCRIPTION
D400 999003	Metric 10 mm to 24 mm

SIZE	QTY	SIZE	QTY
M10	20	M18	15
M12	15	M20	10
M14	15	M22	10
M16	15	M24	5



HEAT SHRINK & PROTECTIVE SLEEVE DISPENSERS

DESCRIPTION

A range of heat shrink tubing available in a conveniently packaged dispenser. It is specially designed to meet the requirements of wholesalers, distributors, repair shops or electrical workshops. Contains 2:1 ratio, 125°C flexible, flame retardant, irradiated polyolefin, heat shrink tubing with adhesive.



HEAT SHRINK MINI BOX BLACK 2 TO 1

9135

PART NUMBER	AS SUPPLIED AFTER RECOVERY			
				
GMB552116B	1.6	0.8	0.36	15
GMB552124B	2.4	1.2	0.43	15
GMB552132B	3.2	1.6	0.43	15
GMB552148B	4.8	2.4	0.43	12
GMB552164B	6.4	3.2	0.56	12
GMB552196B	9.5	4.8	0.56	8
GMB5521127B	12.7	6.4	0.56	8
GMB5521191B	19.1	9.5	0.69	5
GMB5521254B	25.4	12.7	0.76	5

DESCRIPTION

A range of expandable braided sleeves, available in conveniently packaged dispensers. Specially designed to meet the requirements of wholesalers, distributors, repair shops & electrical workshops. Self-extinguishing, halogen free, polyester, 0.22 mm monofilament, expandable braided sleeve.



PROTECTIVE BRAIDED SLEEVE MINI BOX EXPANDABLE POLYESTER SLEEVE IN A DISPENSER

9135

PART NUMBER	RANGE OF USE	LENGTH
GMBPET-3	1 – 4 mm	20 m
GMBPET-5	3 – 7 mm	20 m
GMBPET-8	6 – 11 mm	15 m
GMBPET-10	7 – 14 mm	15 m
GMBPET-12	8 – 16 mm	10 m
GMBPET-20	15 – 25 mm	10 m

CABLE TIES



CABLE TIES NATURAL

9135

PART NUMBER	SIZE	QUANTITY
TIE-CT100	100 x 2.5 mm	100
TIE-CT120	120 x 2.5 mm	100
TIE-CT140	142 x 3.2 mm	100
TIE-CT160	160 x 4.8 mm	100
TIE-CT200	200 x 4.8 mm	100
TIE-CT250	250 x 4.8 mm	100
TIE-CT300	300 x 4.8 mm	100
TIE-CT370	368 x 4.8 mm	100
TIE-CT430	450 x 4.8 mm	100
TIE-CT500	500 x 4.8 mm	100
TIE-CT540	550 x 8.0 mm	100
TIE-CT550	550 x 4.8 mm	100
TIE-CT610	610 x 9.0 mm	100
TIE-CT685	685 x 9.0 mm	100
TIE-CT780	762 x 9.0 mm	100



CABLE TIES BLACK



9135

PART NUMBER	SIZE	QUANTITY
TIE-CT100BL	100 x 2.5 mm	100
TIE-CT120BL	120 x 2.5 mm	100
TIE-CT140BL	142 x 3.2 mm	100
TIE-CT160BL	160 x 4.8 mm	100
TIE-CT200BL	200 x 4.8 mm	100
TIE-CT250BL	250 x 4.8 mm	100
TIE-CT300BL	300 x 4.8 mm	100
TIE-CT370BL	380 x 4.8 mm	100
TIE-CT430BL	450 x 4.8 mm	100
TIE-CT500BL	500 x 4.8 mm	100
TIE-CT540BL	550 x 8.0 mm	100
TIE-CT550BL	550 x 4.8 mm	100
TIE-CT610BL	610 x 9.0 mm	100
TIE-CT685BL	685 x 9.0 mm	100
TIE-CT710BL	710 x 9.0 mm	100
TIE-CT780BL	762 x 9.0 mm	100
TIE-CT1000BL	1030 x 12.7 mm	100

CABLE TIES YELLOW



9135

PART NUMBER	SIZE	QUANTITY
TIE-CT100Y	100 x 2.5 mm	100
TIE-CT140Y	140 x 3.2 mm	100
TIE-CT300Y	300 x 4.8 mm	100
TIE-CT370Y	368 x 4.8 mm	100

CABLE TIES RED



9135

PART NUMBER	SIZE	QUANTITY
TIE-CT100R	100 x 2.5 mm	100
TIE-CT140R	142 x 3.2 mm	100
TIE-CT300R	300 x 4.8 mm	100
TIE-CT370R	368 x 4.8 mm	100

**CUTTERS**
**TUBE CUTTERS  
PLIER TYPE**


9140

PART NUMBER	DESCRIPTION
ZPNZ12	Tube cutter
ZPNZ25	Tube cutter
ZTC2BLADES	Replacement blade for ZPNZ-12
ZTC3BLADES	Replacement blade for ZPNZ-25

**TUBE CUTTERS  
ROTHENBERGER CDS**


9140

PART NUMBER	DESCRIPTION
RR70027	6 mm to 35 mm

**TUBE CUTTERS  
ROTHENBERGER CDS**


9140

PART NUMBER	DESCRIPTION
RR70001	3 mm to 16 mm

**HOSE CUTTERS**


9140

PART NUMBER	DESCRIPTION
PXC098R	Hose cutter
PXC099	Replacement blade

**TUBE CUTTERS**

- Telescopic pipe cutter
- For copper, brass, aluminium, thin walled steel pipes & plastic coated pipes
- Retractable internal deburrer & spare cutter wheel in handle
- Monoblock design
- Quick adjustment with the ratchet telescopic guide, with automatic spring driven release
- Self-clamping prevents release due to quick adjustment during the cutting process

**TUBE CUTTERS**


4630

PART NUMBER	DESCRIPTION
D-TC14	Cuts up to 9/16" (14 mm) tubing

**TUBE CUTTERS  
ROTHENBERGER AUTOMATIC**


9140

PART NUMBER	DESCRIPTION
RR70030	Suitable for 6 – 67 mm OD tube

**PVC TAPE**


9135

**PVC TAPE  
20 METRE**

PART NUMBER	SIZE	COLOUR
TAPE-19x20-BLACK	19 mm x 20 m	Black
TAPE-19x20-WHITE	19 mm x 20 m	White
TAPE-19x20-RED	19 mm x 20 m	Red
TAPE-19x20-BLUE	19 mm x 20 m	Blue
TAPE-19x20-GREEN	19 mm x 20 m	Green
TAPE-19x20-YELLOW	19 mm x 20 m	Yellow
TAPE-19x20-BROWN	19 mm x 20 m	Brown
TAPE-19x20-GREY	19 mm x 20 m	Grey
TAPE-19x20-YEL/GREEN	19 mm x 20 m	Yellow / Green



9135

**PVC TAPE  
33 METRE**

PART NUMBER	SIZE	COLOUR
TAPE-19x33-BLACK	19 mm x 33 m	Black
TAPE-19x33-WHITE	19 mm x 33 m	White
TAPE-19x33-RED	19 mm x 33 m	Red
TAPE-19x33-BLUE	19 mm x 33 m	Blue
TAPE-19x33-GREEN	19 mm x 33 m	Green
TAPE-19x33-YELLOW	19 mm x 33 m	Yellow
TAPE-19x33-BROWN	19 mm x 33 m	Brown
TAPE-19x33-GREY	19 mm x 33 m	Grey
TAPE-19x33-YEL/GREEN	19 mm x 33 m	Yellow / Green

# Copely PVC Strip Curtains

Copely offers an extensive range of PVC strip curtains that come ready to hang, with each strip accompanied by a fitted plate that ensures quick and easy installation. If any strip gets damaged, you can replace it individually without replacing the entire curtain.

Their strip curtains are available in various sizes and lengths, making them suitable for different environments, from warehouse loading bays to heavy-duty industrial areas. They are easy to maintain, cost-effective and energy-saving.

PVC strip curtains provide excellent thermal insulation and sound reduction, among other benefits, making them an essential part of any practical workspace.

- Installation of PVC strips is made easier with ready-to-hang strips that can be trimmed on-site
- Our PVC strips come with a plate, making replacements and repairs easy and affordable
- Ordering strips reduces wastage, maintenance costs and damage risk during fitting

## The Benefits of PVC Strip Curtains

### Thermal Insulation

PVC strips can regulate temperature, increase employee comfort, and create a barrier to the outside in warehouse doorways and loading bays.

### Sound Reduction

Loud working environments can cause exhaustion, distraction, and stress. PVC strips are efficient sound absorbers and noise insulators which protect employees from excess noise.

### UV Stabilised

Copely's curtain strips are protected from UV light degradation by adding a UV stabiliser during manufacturing to maintain their performance.



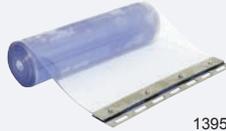
CHOOSING THE RIGHT PVC STRIP CURTAIN	Standard PVC Strip Curtains	Polar PVC Strip Curtains	Buffer Strip Curtains	Welding Strip Curtains	Marker PVC Strip Curtains
Warehouse / Factory Environments	✓	✓	✓	✓	✓
Cold Environments		✓			
Forklift Environments			✓		✓
Welding Environments				✓	
Marking Door Frames					✓
Hanger Included	✓	✓	✓	✓	✓
Temperature	-15°C to +50°C	-40°C to +50°C	-15°C to +50°C	-15°C to +50°C	-15°C to +50°C
Colours	Clear	Clear	Clear	Green Tint	Red

## STANDARD PVC STRIP CURTAINS

Ideal for factories & warehouses.

- High-quality PVC strip curtains, low toxic, silicone-free & cadmium-free
- REACH compliant
- UV stabilised
- Abrasion & chemical-resistant
- Suitable for temperatures from -15°C to +50°C
- Includes stainless steel hanger for easy installation

New



1395

## STANDARD PVC STRIP CURTAINS CLEAR

PART NUMBER	WIDTH	THICKNESS	LENGTH
SS-CS200-2-2M	200 mm	2 mm	2 m
SS-CS200-2-3M	200 mm	2 mm	3 m
SS-CS300-3-3M	300 mm	3 mm	3 m
SS-CS300-3-4M	300 mm	3 mm	4 m
SS-CS400-4-4M	400 mm	4 mm	4 m
SS-CS400-4-5M	400 mm	4 mm	5 m

## BUFFER STRIP CURTAINS

Ideal for demanding environments with forklifts.

- Heavy-duty ribbed design has increased resilience against scratching & tearing
- Designed for more demanding conditions, especially working environments with forklifts
- Ribbed design also improves heat retention
- REACH compliant
- UV stabilised
- Abrasion & chemical-resistant
- Suitable for temperatures from -15°C to +50°C
- Includes stainless steel hanging plate for easy installation

New



1395

## BUFFER PVC STRIP CURTAINS CLEAR

PART NUMBER	WIDTH	THICKNESS	LENGTH
SS-CB400-4-4M	400 mm	4 mm	4 m
SS-CB400-4-5M	400 mm	4 mm	5 m

## MARKER PVC STRIP CURTAINS

Ideal for highlighting door frames & hazardous areas.

- Marker PVC strip curtains, designed to highlight door frames for increased safety
- REACH compliant
- UV stabilised
- Abrasion & chemical-resistant
- Suitable for temperatures from -15°C to +50°C
- Includes stainless steel hanging plate for easy installation

New



1395

## MARKER PVC STRIP CURTAINS RED

PART NUMBER	WIDTH	THICKNESS	LENGTH
SS-CR200-2-2M	200 mm	2 mm	2 m
SS-CR200-2-3M	200 mm	2 mm	3 m
SS-CR300-3-3M	300 mm	3 mm	3 m
SS-CR300-3-4M	300 mm	3 mm	4 m
SS-CR400-4-4M	400 mm	4 mm	4 m
SS-CR400-4-5M	400 mm	4 mm	5 m

## POLAR PVC STRIP CURTAINS

Ideal for refrigerators & freezers.

- For low-temperature applications, such as walk-in refrigerators / freezers
- REACH compliant
- UV stabilised
- Abrasion & chemical-resistant
- Suitable for temperatures from -40°C to +50°C
- Includes stainless steel hanging plate for easy installation

New



1395

## POLAR PVC STRIP CURTAINS CLEAR

PART NUMBER	WIDTH	THICKNESS	LENGTH
SS-CF200-2-2M	200 mm	2 mm	2 m
SS-CF200-2-3M	200 mm	2 mm	3 m
SS-CF300-3-3M	300 mm	3 mm	3 m
SS-CF300-3-4M	300 mm	3 mm	4 m

## WELDING STRIP CURTAINS

Ideal for welding environments.

- Developed for use in welding bays – resistant to welding sparks
- Meets specification EN1598
- Conforms to EN ISO 25980:2014
- REACH compliant
- UV stabilised
- Abrasion & chemical resistant
- Suitable for temperatures from -15°C to +50°C
- Includes stainless steel hanging plate for easy installation

New



1395

## WELDING STRIP CURTAINS GREEN TINT

PART NUMBER	WIDTH	THICKNESS	LENGTH
SS-GS300-2-2M	300 mm	2 mm	2 m

## STRIP CURTAIN HANGING RAILS

Our PVC strip curtains come with stainless steel hanging plates for easy installation, but we're also able to provide suspension rails if required.

Hanging rails are available in 984 mm length & come in a pack of two.



## HANGING SYSTEM STAINLESS STEEL

1395

PART NUMBER	DESCRIPTION	SIZE
SS-RAIL	Rail	984 mm
SS-200	Clamp	200 mm
SS-300	Clamp	300 mm
SS-400	Clamp	400 mm

**FEATURES / BENEFITS**

- Traditional cup-shaped, unvalved disposable respirator
- Colour-coded headbands offer easy protection level identification – colour coded yellow: FFP1 (APF = 4)
- Durable, collapse resistant inner shell
- Maximum usage level: Up to 4 x TLV
- Some of the range feature the 3M Cool Flow Valve to help reduce heat build-up
- Headbands are colour-coded for quick & easy identification, yellow for FFP1, blue for FFP2 & red for FFP3
- Designed to work well with 3M Eyewear & Hearing Protection products

**SPECIFICATIONS**

Standard	EN 149:2001+A1:2009 FFP1 NR D
Approval	CE Approved
Assigned protection factor	4



**CUP-SHAPED RESPIRATOR**  
PACK OF 20

8910

PART NUMBER	SIZE
BT8710	One size – adjustable

Sold in a sealed box to ensure optimum hygiene levels

**FEATURES / BENEFITS**

- Traditional cup-shaped disposable respirator
- 3M™ Cool Flow™ Valve: The Cool Flow valve reduces heat build-up inside the respirator - even in hot & humid conditions
- Colour-coded headbands offer easy protection level identification – colour coded yellow: FFP1 (APF = 4)
- 3M Cool Flow Valve reduces heat & moisture build-up to offer workers comfortable protection - even in hot & humid conditions
- Maximum usage level: Up to 4 x TLV
- Headbands are colour-coded for quick & easy identification, yellow for FFP1, blue for FFP2 & red for FFP3
- Designed to work well with 3M Eyewear & Hearing Protection products

**SPECIFICATIONS**

Standard	EN 149:2001+A1:2009 FFP1 NR D
Approval	CE Approved
Assigned protection factor	4



**VALVED CUP-SHAPED RESPIRATOR**  
PACK OF 10

8910

PART NUMBER	SIZE
BT8812	One size – adjustable

Sold in a sealed box to ensure optimum hygiene levels

**FEATURES / BENEFITS**

- Flat fold disposable P1 respirator offering reliable, effective protection against low levels of fine dust & mists
- Low breathing resistance filter technology for easier breathing through your shift
- Ingenious 3-panel design that accommodates greater facial movement during speech, much more comfortable to wear
- An embossed top panel to reduce fogging of eyewear
- Headbands are coloured for easy identification: yellow for FFP1
- An innovative chin tab for ease of donning & adjustment of the respirator on the face
- Supplied in hygienic packaging to help protect the respirator from contamination before use, also allows practical storage & dispensing in the workplace
- Sculpted nose panel helps conform to the nose & contours of the face & helps to improve compatibility with 3M eyewear
- Maximum usage level: Up to 4 x TLV

**SPECIFICATIONS**

Standard	EN 149:2001+A1:2009 FFP1 NR D
Approval	CE Approved
Assigned Protection Factor	4



**FLAT-FOLD PARTICULATE RESPIRATOR**  
PACK OF 20

8910

PART NUMBER	SIZE
BT9310PLUS	One size – adjustable

Sold in a sealed box to ensure optimum hygiene levels

**FEATURES / BENEFITS**

- High Performance Filter Material: 3M Advanced Electret filter material helps wearers to breathe easily through the respirator for more comfortable protection
- 3M Cool Flow Valve: The Cool Flow valve reduces heat build-up inside the respirator – even in hot & humid conditions
- Unique 3-panel design: Accommodates greater facial movement during speech
- Embossed top panel: Reduces fogging of eyewear
- Sculpted nose panel: Improves compatibility with eyewear
- Innovative chin tab: For ease of fitting & adjustment of the respirator on the face
- Hygienic packaging: helps protect the respirator from contamination before use, also allows practical storage & dispensing in the workplace
- Colour-coded headbands offer easy protection level identification - colour coded yellow: FFP1 (APF = 4)
- 3M Cool Flow Valve reduces heat & moisture build-up to offer workers comfortable protection – even in hot & humid conditions

**SPECIFICATIONS**

Standard	EN 149:2001+A1:2009 FFP1 NR D
Approval	CE Approved
Assigned Protection Factor	4



**VALVED FLAT-FOLD PARTICULATE RESPIRATOR**  
PACK OF 10

8910

PART NUMBER	SIZE
BT9312PLUS	One size – adjustable

Sold in a sealed box to ensure optimum hygiene levels

HIGH VISIBILITY WORKWEAR

FEATURES / BENEFITS

- EN ISO 20471
- 100% polyester
- Velcro fastening
- Reflective material



HIGH VISIBILITY WAISTCOAT  
SATURN YELLOW

8920

PART NUMBER	SIZE
BTWCENGM	Medium
BTWCENGL	Large
BTWCENGXL	XL
BTWCENGXXL	XXL

FEATURES / BENEFITS

- EN ISO 20471
- Polyester
- Front zip fastening
- Retro reflective bands & braces
- Two large front pockets with flaps
- Mobile phone pocket with velcro fastening flap
- Pen & pencil pockets
- Transparent ID pouch pocket
- Radio loop



EXECUTIVE WAISTCOAT  
SATURN YELLOW

8920

PART NUMBER	SIZE
BTWCENGECECM	Medium
BTWCENGECECL	Large
BTWCENGECECXL	XL
BTWCENGECECXL	XXL

SAFETY HEADWEAR

ECONOMY FEATURES / BENEFITS

- ABS shell
- Vents to crown
- Plastic harness c/w sweatband
- Slots for attachments
- Conforms to EN397
- Lightweight



ECONOMY VENTED  
SAFETY HELMET

8920

PART NUMBER	COLOUR	SIZE
BTBBEVSHY	Yellow	One size – adjustable
BTBBEVSHW	White	One size – adjustable

ECONOMY FEATURES / BENEFITS

- ABS shell
- Vents to crown
- Plastic harness c/w sweatband
- Slots for attachments
- Conforms to EN397
- Lightweight
- 6 point webbing harness
- Slip-ratchet headband adjustment
- Complete with terry towelling sweatband



PREMIUM VENTED  
SAFETY HELMET

8920

PART NUMBER	COLOUR	SIZE
BTBBVSHY	Yellow	One size – adjustable
BTBBVSHW	White	One size – adjustable

FEATURES / BENEFITS

- Stylish safety baseball cap with ventilation holes
- Fitted over a plastic shell, providing lightweight head protection
- Conforms to EN812-2012



SAFETY  
BASEBALL CAP

8920

PART NUMBER	COLOUR	SIZE
BTBBSBCR	Royal blue	One size – adjustable
BTBBSBCN	Navy blue	One size – adjustable
BTBBSBCBL	Black	One size – adjustable



Did you know?

Products with safety benefits are indicated by a chevron at the bottom of their table

**EAR PROTECTION**

**FEATURES / BENEFITS**

- Adjustable, fold-away headband
- Self aligned earcups
- SNR 30db
- Conforms to EN352-1-2002
- Will fit into a pocket



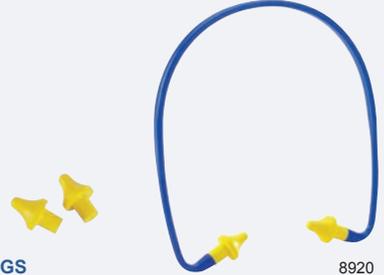
8920

**FOLDING EAR DEFENDERS**

PART NUMBER	SIZE
BTBBFED	One size – adjustable

**FEATURES / BENEFITS**

- Soft, absorbent foam caps
- Can be worn under the chin or behind the neck
- SNR 21
- Conforms to EN352-2-2002
- Extremely light
- Comfortable to wear



8920

**BANDED EAR PLUGS**

PART NUMBER	SIZE
BTBBBEP	H-25 M-17 L-14

**SPARE PODS**

BTBBEPOD	1 x bag of 10 pairs
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**EYE PROTECTION**

**FEATURES / BENEFITS**

- Wrap-around design
- Sleek, contoured shape
- Polycarbonate (PC lens)
- EN 166 1,F
- Ultra-lightweight
- Non-slip, coloured, rubber tips
- Low impact & 99.99% UV protected



8920

**BOSTON SAFETY SPECTACLES**

PART NUMBER	LENS COLOUR	FRAME COLOUR
BTBBBS	Clear	Clear

**FEATURES / BENEFITS**

- Wrap-around design
- Sleek, contoured shape
- Polycarbonate (PC lens)
- EN 166 1,F
- Ultra-lightweight
- Can be worn over prescription spectacles
- Low impact & 99.99% UV protected



8920

**VEGAS SAFETY SPECTACLES**

PART NUMBER	COLOUR
BTBBVS	Clear
BTBBVSS2Y	Yellow
BTBBVSS2GY	Grey

**FEATURES / BENEFITS**

- Protective safety goggles
- Indirect ventilation
- Comfortable face seal & nose bridge
- Wide adjustable elastic
- Excellent field of vision
- Goggle lens & face visor both polycarbonate
- Conform to EN166
- Optical Class:1
- B T – (medium impact energy at extreme temperatures)
- 2C-1.2 – UV filter



8900

**SAFETY GOGGLE & VISOR**

PART NUMBER	SIZE
BBHAMCV1	One size – adjustable elastic

**FEATURES / BENEFITS**

- Fully coated PVC glove
- Stockinette liner
- Elasticated cuff
- Cat II EN388 4-1-1-1



**PVC FULLY COATED KNITWRIST RED**

8900

PART NUMBER	SIZE
BTPVCFCKWR10	10 / XL

**FEATURES / BENEFITS**

- EN388-2016
- Polyurethane palm coated nylon glove
- Machine knitted
- Integral elasticated wrist
- Score: 4-1-3-1



**PUGGIES PU COATED GLOVES GREY**

8900

PART NUMBER	SIZE
BTPUGGYM	08 / Medium
BTPUGGYL	09 / Large
BTPUGGYXL	10 / XL

**FEATURES / BENEFITS**

- CAT 2 EN388 4-1-2-1



**PVC GAUNTLET RED**

8900

PART NUMBER	LENGTH	SIZE
BTPVCR11	11"	10 / XL
BTPVCR14	14"	10 / XL
BTPVCR16	16"	10 / XL
BTPVCR18	18"	10 / XL

**FEATURES / BENEFITS**

- 100% nylon seamless shell with NBR coated palm & fingers
- Ventilated back
- Lightweight for maximum dexterity & comfort with sensitivity
- Suitable for general assembly handling & engineering applications
- Conforms to EN388 2-1-2-1



**NITE STAR BLACK GLOVES BLACK**

8900

PART NUMBER	SIZE
BTNDGBL08	08 / Medium
BTNDGBL09	09 / Large
BTNDGBL10	10 / XL

**FEATURES / BENEFITS**

- Finger welts
- Fully lined, including cuff
- EN388 3-2-3-3
- EN407 4-2-3-4



**WELDERS GAUNTLET RED**

8900

PART NUMBER	LENGTH	SIZE
BTC2W	14"	10 / XL

**FEATURES / BENEFITS**

- Powder free black textured NBR gloves
- CE category III
- Excellent elasticity
- Textured for added grip



**NBR DISPOSABLE GRIPPER GLOVES PACK OF 10**

8900

PART NUMBER	SIZE	PACK QTY
BGZNDG10BLXL	XL	10

**FEATURES / BENEFITS**

- Natural rubber coated palm
- Knitted area on back of glove to aid breathability & comfort
- EN388 2-2-4-3



8900

**MULTI-PURPOSE GLOVES  
BLACK**

PART NUMBER	SIZE
BTMP1BLM	08 / Medium
BTMP1BLL	09 / Large
BTMP1BLXL	10 / XL

**FEATURES / BENEFITS**

- Nylon fibre knitted glove
- Comfort fit
- Offering excellent dexterity
- PVC dots to palm area for added grip
- Cat II EN388 2-1-4-2



8900

**TRONIX BLUE DOT GLOVES  
WHITE / BLUE**

PART NUMBER	SIZE
BTTBDM	08 / Medium
BTTBDL	09 / Large

**FEATURES / BENEFITS**

- Natural rubber coated palm
- Knitted area on back of glove to aid breathability & comfort
- EN388 2-2-4-3



8900

**MULTI-PURPOSE GLOVES  
GREEN**

PART NUMBER	SIZE
BTMP1GM	08 / Medium
BTMP1GL	09 / Large
BTMP1GXL	10 / XL

**FEATURES / BENEFITS**

- Natural rubber coated palm
- Knitted area on back of glove to aid breathability & comfort
- EN388 2-2-4-3



8900

**MULTI-PURPOSE GLOVES  
ORANGE**

PART NUMBER	SIZE
BTMP1ORM	08 / Medium
BTMP1ORL	09 / Large
BTMP1ORXL	10 / XL



**Did you know?**

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