

Test & Measurement

Fluke

FLUKE®

Fluke 61 Infrared Thermometer

Cat. No.	Model No.	Temp. Range °C	Resolution °C	Distance to Spot Ratio
8001507	Fluke 61	-18 to 275	0.2	8:1

Fluke 62 MAX+ Infrared Thermometer

Cat. No.	Model No.	Temp. Range °C	Resolution °C	Distance to Spot Ratio
8001509	Fluke 62 MAX+	-30 to 650	0.1	12:1

Fluke 561 HVACPro Infrared and Contact Thermometer

Cat. No.	Part No.	Temp. Range	Reading Resolution
8001508	Fluke 561	-40°C to 550°C	0.1°C of reading

Fluke 52-2 Digital Thermometer

Cat. No.	Model No.	Temp. Range °C	Size (HxWxD)	Weight (kg)
8001511	Fluke 52-2	-250 to 1372	173 x 86 x 38	0.4

Fluke 971 Temperature Humidity Meter

Cat. No.	Part No.	Temp. Range	Temp. Resolution	Humidity Range %RH
8001512	Fluke 971	-20°C to 60°C	1°C	5% to 95% R.H.

Fluke 411D Laser Distance Meter

Cat. No.	Part No.	Description	Range	Measuring accuracy
8001596	Fluke 411D	Laser Distance Meter	0.1 m to 30 m (0.33 ft to 100ft)	± 3 mm (0.118 in)

Fluke 922/Kit Airflow Meter

Cat. No.	Part No.	Description
8001598	Fluke 922/Kit	Airflow Meter Kit

Fluke 975V AirMeter

Cat. No.	Part No.	Description
8001597	Fluke 975V	AirMeter Kit with velocity probe

Fluke 1AC II Voltage Detector

Cat. No.	Part No.	Description	Range
8001557	Fluke 1AC-II	Voltage Detector	90 to 1000V

Fluke T5 Electrical Tester

Cat. No.	Part No.	Measuring	Maximum Ranges
8001556	T5-600	AC Current	100 A
		AC/DC Voltage	600 V
		Resistance	1000 Ω

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Fluke 324 Clamp Meter

Cat. No.	Part No.	Description
8001560	Fluke 324	True RMS Clamp Meter



Fluke 323 True RMS Clamp Meter

Cat. No.	Part No.	Measuring	Maximum Ranges
8001562	Fluke 323	AC Current	400 A
		AC/DC Voltage	600 V
		Resistance	400 to 4000 Ω



Fluke 381 Remote Display Clamp Meter

Cat. No.	Part No.	Description
8001564	Fluke 381	Remote Display Clamp Meter



Fluke 365 Detachable Jaw Clamp Meter

Cat. No.	Part No.	Description
8001565	Fluke 365	Detachable Jaw Clamp Meter



Fluke 771 Milliamp Process Clamp Meter

Cat. No.	Part No.	Range/Resolution	Accuracy
8001563	Fluke-771	-20.99 to +20.99 mA	0.2% or reading +5 counts
		-21.0 to -99.9 mA	1% reading +5 counts
		+21.0 to +99.9 mA	1% reading +5 counts

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Fluke 116 Digital Multimeter

Cat. No.	Part No.	Measuring	Maximum Ranges
8001558	Fluke 116	AC/DC Voltage	600V
		Resistance	40M Ω
		Capacitance	10000 μ F
		Frequency	50k Hz
		Temperature	-40°C to +400°C



Fluke 233 Remote Display Multimeter

Cat. No.	Part No.	Description
8001559	Fluke 233	Remote Display Multimeter



Fluke 116/323 Combo kit

Cat. No.	Part No.	Kit contents
8001568	116/323	116 Multimeter 323 Clamp Meter TL75 Test Lead Set T Pak Meter Hanging Kit 80pk11 Velcro Pipe Clamp Thermocouple 80AK Thermocouple Adaptor 80PK1 Bead Type Thermocouple C115 Carry Case



Fluke 116/62 Combo Kit

Cat. No.	Part No.	Kit contents
8001567	116/62	116 Multimeter 62 Infrared Thermometer TL75 Test Lead Set T Pak Meter Hanging Kit 80BK Temperature Probe 80AK Thermocouple Adaptor 80PK11 Velcro Pipe Clamp Thermocouple C115 Carry Case



Fluke VR1710 Voltage Power Recorder

Cat. No.	Part No.	Description
8001569	Fluke VR1710	Voltage Power Recorder



Evolve

Magjumper

The Magjumper Magnetic Jumper cables are the ideal troubleshooting tool for low voltage electronic circuits. The leads are magnetic, making them a great addition to anyone's arsenal of tools for troubleshooting electric circuits.

Cat. No.	Part No.	Description
8001472	EVO-MAG	Magjumper magnetic test cable

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Fluke 1587 Insulation Multimeter

Cat. No.	Part No.	Size (HxWxD): mm	Weight: kg
8001566	Fluke 1587	203 x 100 x 50	0.55

Accessories



Cat. No.	Part No.	Description	
8001571	TPAK	Meter Hanging Kit. Includes; Universal hanger clips (2), hook and loop straps (2 lengths), strong magnet	
8001572	80AK	Thermocouple Adapter	
8001573	TP1	Modular Test Probes	
8001574	TL75	Test Lead, Lead Set. Inc.: Pair Comfort Grip probes with PVC insulated test leads, with right-angle shrouded banana plugs	
8001575	TP175	Twistguard Test Probe Set	
8001576	TI175	Twistguard Test Lead Set	
8001577	TLK225	Master Accessory Kit. Inc: Alligator Clip Set, Hook Clip Set, Pincer Clip Set, Large Jaw Alligator Clip Set, Test Probe Set, Silicone Test Lead Set, 6-Pocket Storage Pouch	
8001578	TLK289	Industrial Master Accessory Kit. Inc: Alligator Clip Set, Hook Clip Set, Large Jaw Aligator Clip Set. Lantern Tip Test Probe Set, Test Lead Set, Hanging Kit, Temperature Thermocouple, Soft Storage Case	
8001579	80PK1	Temperature Probe	Bead K Type -40°C to 260°C
8001580	80PK3A		Surface K Type 0°C to 260°C
8001581	80PK25		Piercing K Type -40°C to 350°C
8001582	80PK11		Velcro Strap on K Type -30°C to 105°C
8001583	80PK8		Pipe Clamp K Type -29°C to 149°C
8001555	H5	Holster	
8001584	C12A	Soft Case	
8001585	C25		
8001586	C33		



Refco

Inverter Check Kit

Cat. No.	Part No.	Description
8001595	4678571	Inverter Check Kit

LP-88 Infrared Thermometer

The LP-88 is a rugged and practical infrared thermometer with a pistol grip, which allows for contact free temperature measurement. Various temperatures can efficiently be measured within a room. The built in dual laser pointer simplifies the measurement, by marking the measurement area with two red laser points.

- Temperature range: -60°C to +550°C
- Operating temperature: +0°C to +50°C



Cat. No.	Part No.	Model No.	Description
8001499	4686697	LP-88	Infrared Thermometer

Test & Measurement

Kimo



AQ110S Air Quality Meter

AQ110S Air Quality Meter is a key tool to diagnose, inspect and check air quality measuring CO2 and temperature.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
8001599	AQ110S	CO2: From 0 to 5000 PPM Temp: -20°C to +80°C	±3% / ±50 PPM ±0.4% / ± 0.3°C	1 ppm 0.1°C



HQ210P Air Quality Meter

HQ210P Air Quality Meter is a key tool to diagnose, inspect and check air quality measuring CO2 and temperature.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
8001600	HQ210P	CO2: 0 to 5000ppm Temp: -20°C to +80°C Humidity: 5 to 95% RH	±0.3% / ± 50 ppm ±0.3% of reading ±0.25°C ±1.8% RH (from 15°C to 25°C)	1 ppm 0.1°C 0.1% RH



LV110S Vane Probe Thermo-Anemometer

LV110S Vane Probe Thermo-Anemometer is a key tool to diagnose, inspect and check air velocity, airflow and ambient temperature.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
8001601	LV110S	Temp: -20°C to 80°C Air Flow: 0 to 99999m3/h Air Velocity: from 0.25 to 3m/s Air Velocity: from 3.1 to 35m/s	±0.4% of reading ± 0.3°C ±0.3% of reading ± 0.03*area(cm2) ±0.3% of reading ± 0.01m/s ±0.1% of reading ± 0.3m/s	0.1°C 1m3/h 0.01m/s 0.1m/s



LV130S Vane Probe Thermo-Anemometer

LV130S Vane Probe Thermo-Anemometer is a key tool to diagnose, inspect and check air velocity, air flow and ambient temperature.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
8001607	LV130S	Air Velocity: 0.25 to 3m/s Air Flow: 0 to 99999m3/h Temp: 0 to +50°C	±3% / ±0.1m/s ±3% / ± 0.03 area(cm2) ±0.4% / ±0.3°C	0.01m/s 1m3/h 0.1°C



MP110S Manometer

MP110S Manometer is a key tool to diagnose, inspect and check pressure.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
	MP110S	Pressure: From 0 to ± 1000 Pa	±0.5% / ±2Pa	1 Pa 0.1 m/s



MP120S Manometer

MP120S Manometer is a key tool to diagnose, inspect and check differential pressure and air velocity.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
8002870	MP120S	Pressure: (mmHg, PSI, DaPa) From 0 to ± 1000 Pa Air Velocity: (m/s, fpm, Km/h) from 2 to 5 m/s From 5 to 40m/s	±0.5% / ±2Pa ±0.7 m/s ±0.5% / ±0.3m/s	1 Pa 0.1 m/s



Test & Measurement

Kimo

VT110S Hotwire Thermo-Anemometer

VT110S Hotwire Thermo-Anemometer is a key tool to diagnose, inspect and check air velocity, airflow and ambient temperature.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
8001603	VT110S	Temp: -20°C to 80°C Air Flow: 0 to 99999m3/h Air Velocity: from 0.15 to 3m/s Air Velocity: from 3.1 to 30m/s	±0.3% of reading ± 0.03*area(cm2) ±0.3% of reading ± 0.05m/s ±0.3% of reading ± 0.2m/s	0.1°C 1m3/h 0.01m/s 0.1m/s

MP210G Thermo-Anemo-Manometer

MP210G Thermo-Anemo-Manometer is a key tool to diagnose, inspect and measure pressure, air velocity, and airflow.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
8001605	MP210G	Pressure:	±0.2% / ± 10 Pa ±0.3 m/s ±0.5% / ±0.2m/s ±0.2% / ±1% PE	0.1 Pa
		Air Velocity:		1Pa
				1Pa
		Air Flow :		0.1m/s 0.1 m/s 1m3/h

*Air velocity and airflow probes an optional extra

DBM610 Portable Flow Meter

DBM610 is designed and manufactured to be indispensable to engineers responsible for balancing air flow in air conditioning systems.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
8001606	DBM610	Air Flow: 40 to 3500 m3/h Temp: 0 to +50°C	3% / ±10m3/h 2% / ±0.1°C	1m3/h 0.1°C

KiRay 100 Infrared Thermometer

Cat. No.	Model No.	Temperature Range °C	Resolution °C	Distance to Spot Ratio
8001609	KiRay 100	-50°C to +800°C	0.1°C	20:1

KiRay 200 Infrared Thermometer

Cat. No.	Model No.	Temperature Range °C	Resolution °C	Distance to Spot Ratio
8001610	KiRay 200	-50°C to +850°C	0.1°C	30:1

TK112S Thermocouple Thermometer

TK112S Thermometer is a key tool to diagnose, inspect and check any temperature, using a Thermocouple Type K.

Cat. No.	Model No.	Measuring Range	Accuracy	Resolution
8001611	TK112S	-200 to 1300°C	±1.1°C or ±0.4%	0.1°C

TR110S PT100 Thermometer (RTD)

TR110S Thermometer is a key tool to diagnose and check low temperature to high accuracy.

Cat. No.	Model No.	Temperature Range °C	Accuracy	Resolution
	TR110S	-100 to 400°C	±0.3°C or ±0.4%	0.1°C

HD110S Hygrometer

HD110S Hygrometer is a key tool to diagnose, inspect and check Relative Humidity, Dew Point and Ambient Temperature.

Cat. No.	Model No.	Temperature Range °C	Accuracy	Resolution
8001613	HD110S	Humidity : from 5 – 95% RH Dew Point: from -40°C to + 70°C Temp: from -20 to + 70°C	RH: ±1.8%(15°C to 25°C) DP: ±0.8% / ±0.6°C Temp: ±0.4% / ± 0.3°C	0.1%RH 0.1°C 0.1°C

Protective Cases

Providing not only protection for your meter, these cases feature a super strong magnet, strap and rear stand for visual ease while working.

Cat. No.	Model No.	Description
8001614	CQ15	Class 110 Protective Case

Test & Measurement

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Pocket Thermometers – Dial Type

Cat. No.	Part No.	Range °C	Description
8001469	15150	-40 to 40	25mm Dial. 127mm Stem c/w Pocket Tube and Clip

Dial Thermometers

Cat. No.	Part No.	Size: mm	Description	Capillary Length: m	Range °C
8001486	F84-100MM-FA	100	Front Flange Rear Entry	1.5	-40 to 40
8001483	F84-60MM-FP	60	Rear Flange Bottom Entry		
8001484	F84-80MM-FP	80			
8001485	F84-100MM-FP	100			
8001489	F87R-60MM	60	Reversible Flange can be changed from Front Flange to Rear Flange Mounting Bottom Entry	7.5	
8001488	F87R-100MM	100			
8001487	F87R-100MM-7.5M	100			

• Suitable for building into cabinets

Cat. No.	Part No.	Brand	Size: mm	Capillary Length: m	Range °C
8001490	CPF-83	Refco	52	1.5	-40 to 40
8001492	CPN	Arthermo			0 to 120

Rectangular Thermometer

Cat. No.	Part No.	Size Rectangular: mm	Range °C	Capillary Length: m
8001491	15165	26 x 58	-40 to 40	1.5

Actrol

Digi-thermo

Cat. No.	Range °C	Resolution °C	Accuracy °C	Sample Time	Battery Type (inc.)	Dimensions: mm
8001505	-50 to 260	0.1	0.5	1 sec or 10 sec	1.5V 'AAA'	106 x 66 x 20

Thermo Controls

Dual Input Digital Thermometer

Cat. No.	Part No.	Range °C	Resolution °C	Accuracy °C	Battery Type (inc.)	Dimensions: mm
8001493	4918	-50 to 1300	0.1	0.1	9V	149 x 71 x 41

Paragon

Temp Tech Digital Maximum / Minimum Thermometer

Cat. No.	Part No.	Range °C	Resolution °C	Sampling Cycle	Ext. Sensor Length	Battery Type (inc.)
8001460	EMT 88	-5 to 50	1	10 sec	3m	G13 or LR44

Carel

Panel Mount Thermometers

Cat. No.	Part No.	Range °C	Power Supply	Sensor (not inc.)
8001473	IREVMOLN0U	-50 to 50	12-24Vac/dc	NTC
8001474	IREVM0EN0U		240Vac	

Refco

Digital Pocket Thermometer

Cat. No.	Model No.	Description	Range
8001501	15140	Digital Pocket Thermometer	-50 to 150°C

ACTROL™

ACTROL™



Data Loggers

Kimo

Data Loggers

Starter Kits



Cat. No.	Part No.	Description	Kit Contents
8001538	KT-50-IN STARTER KIT	Temperature Data Logging Starter Kit	1 x KT 50 IN Logger 1 x USB Cable
8002871	KH-50-IN STARTER KIT	Temperature and Humidity Data Logging Starter Kit	1 x KH 50 Logger 1 x USB Cable

Loggers



Cat. No.	Part No.	Description	Display	IP Rating	Int. Sensor	Ext. Inputs	Working Temp Range	Working Humidity Range	Light Range
8001540	KT 110 IN	Temperature Data Logger	Yes	IP67	Yes	0	-40°C to 70°C		
8001544	KH 110 AN	Temperature, Humidity & Light Data Logger	No			0	-20°C to 70°C	5 to 95%	0 to 10,000 lux
8001545	KH 110 AO		Yes			0			

Software and Cable

Cat. No.	Part No.	Description
8001539	KIC2-N	Software with USB Cable
8002872	CK-50	USB Cable to suit Class 50 Data Loggers





Manifolds

Refco

APEX Series

For 134a, R22 and R404A

Cat. No.	Part No.	Description
8001663	APEX-M2-6-kPa-R22	Manifold with dual scale (kPa/psi) gauges and 3 x 900mm charging lines

BM2 Series

Cat. No.	Part No.	Description
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For R134a, R22 and R404A

8001667	BM2-6-R134a/22-kPa/psi	Manifold with dual scale (kPa/psi) gauges and 3 x 900mm charging lines
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For R134a Automotive Air Conditioning

8001665	BM2-3-kPa-R134A-Acme	Autoset R134a manifold, gauges 3 x 1800mm charging lines and CX-Auto couplings supplied in plastic case
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For R22 and R410A

8001672	BM2-6-DS-CLIM	Manifold with dual scale (kPa/psi) gauges and 3 x 900mm $\frac{1}{4}$ " charging lines, 1 x Red, Blue & Yellow & 2 x 900mm $\frac{1}{4}$ " x $\frac{5}{16}$ " charging lines (Red,Blue)
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For R410A

8001668	BM2-3-K8a-R410A	Manifold with dual scale (kPa/psi) gauges and 3 x 900mm charging lines and $\frac{1}{2}$ "-20UNF ($\frac{5}{16}$ "SAE) connection and core depressor on the unit side. Supplied in plastic case.
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R32 and R410A

Cat. No.	Part No.	Model No.	Description	Refrigerant Scales	Hose Connections: inch		
					Red	Blue	Yellow
8001661	4686948	BM2-6-DS-R32	Manifold Set with 3 x 900mm Hoses	R32, R410A	1/4 x 5/16	1/4 x 5/16	1/4 x 1/4

M4 Series - 4-Way Service Manifold

Cat. No.	Part No.	Description
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For R134a, R22 and R404A

8001674	BM4-3-M2	Manifold with dual scale gauges and 3 x 900mm charging lines. Supplied in plastic case.
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For R410A

8001671	M4-3-Deluxe-DS-R410A	Manifold with dual scale (kPa/psi) gauges and 3 x 900mm charging lines with $\frac{1}{2}$ "-20 UNF ($\frac{5}{16}$ "SAE) connection and core depressor on the unit side. Supplied in plastic case.
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Multicase

Cat. No.	Part No.	Description
8001677	M4-6-15	Empty plastic case

Gauge Protectors



Cat. No.	Part No.	Description
8001918	CPR333	Rubber Gauge Protector Black



Rothenberger

Digital Manifolds

The Rothenberger digital manifold gauge gives the user more functionality and information as compared to standard manifold gauges out of one easy to use device. The manifold can be used on over 60 different refrigerants and gives the user automatic superheat / sub-cooling calculations.



Rocool

Cat. No.	Part No.	Description
7700177	1000000569	Digital Manifold Set With 1 temperature sensor, 3 x $\frac{1}{4}$ " x 1.5m hoses & 2 x $\frac{5}{16}$ " adaptors

Accessories

Cat. No.	Part No.	Description
7700178	1000000540	Clamping Thermometer
7700184	1000000541	Vacuum Sensor

Manifolds

Refco



Digimon Digital Manifold

Digimon-SE are Refco's latest generation digital manifolds offering users easy to use 2-way and 4-way digital manifolds for the efficient and safe maintenance of air conditioning and refrigeration systems. This latest generation is characterized by its compact design and sturdy construction. The modern display allows for superheating, subcooling, vacuum levels and leakage test to be shown along with the pressure and temperature reading. Additionally, in analog mode, the digital figures are displayed visually. The Digimon meets the most important requirements for a digital manifold and is available in various versions. Available accessories include K-type pipe clamp temperature sensors as well as an external vacuum sensor.

Features

- 48 Refrigerant tables incl. R410A, R32, R744(CO2), R407F & R1234yf
- Analog and Digital Display
- Direct calculation and display of superheat and subcool
- 2 precise K-Type temperature sensors
- Leak-test function
- Backlit LCD display with multiple protection
- User-friendly operation
- Fiber reinforced ergonomic knobs
- Automatic power-save mode
- Low battery indicator
- Continuous measuring rate

Specifications

- Accuracy: Class 1.0
- Pressure resolution: 0.01 bar / 0.5psi / 1kPa / 0.001MPa
- Pressure Gauge from -0,95 bar to +60 bar

2 Way Manifold

Digimon digital two way manifold with:

- 3 x 1500mm charging lines $\frac{1}{4}$ " flare, blue, red and yellow
- 2 x 1500mm charging lines $\frac{5}{16}$ " flare, blue and red
- 2 x K type temperature sensors
- Sturdy plastic case



Cat. No.	Part No.	Model No.	Description
8001678	4686736	DIGIMON-SE-3-PLUS	Digital Manifold Set

4 Way Manifold

Digimon digital two way manifold with:

- 3 x 1500mm charging lines $\frac{1}{4}$ " flare, blue, red and yellow
- 2 x 1500mm charging lines $\frac{5}{16}$ " flare, blue and red
- 2 x K type temperature sensors
- Sturdy plastic case

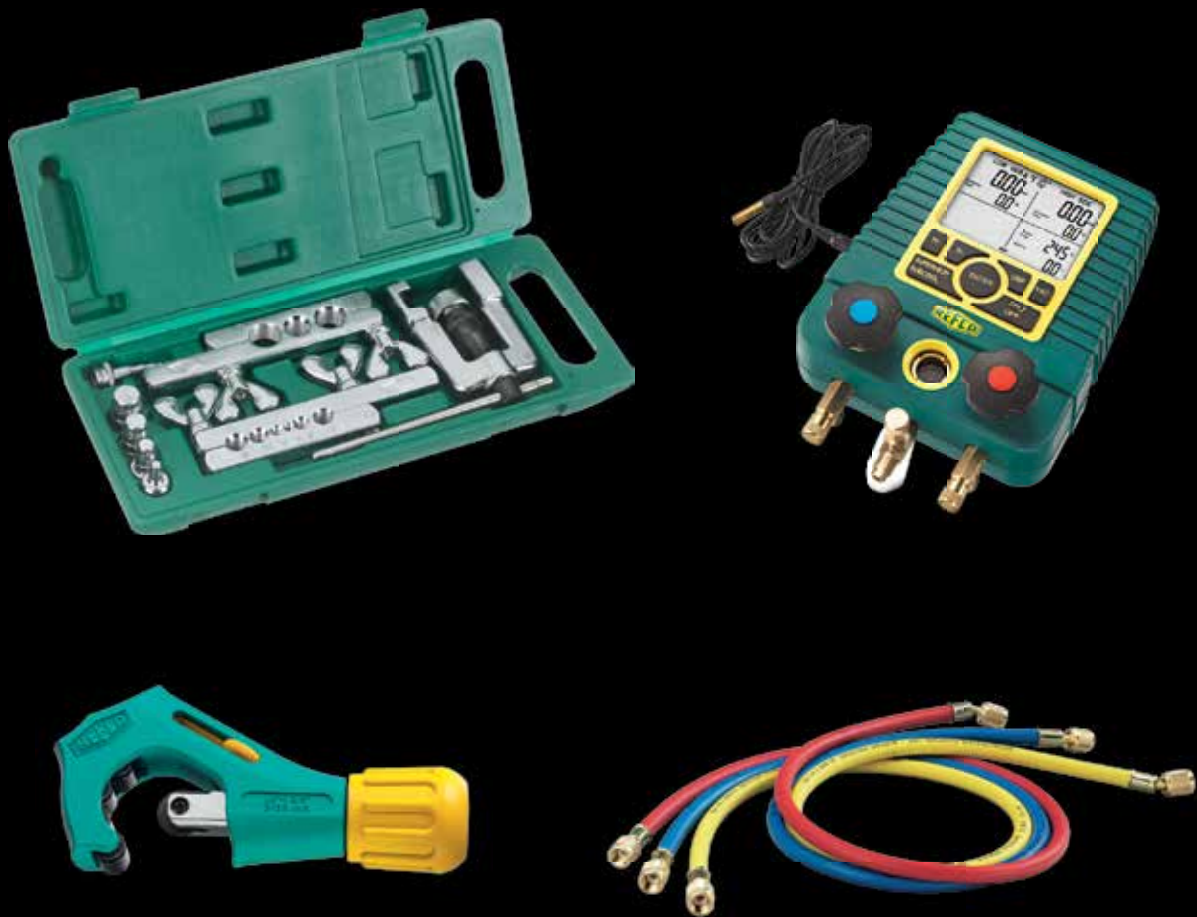


Cat. No.	Part No.	Model No.	Description
8001680	4686740	DIGIMON-4-3-PLUS	Digital Manifold Set

Digimon Accessories

Cat. No.	Part No.	Description
8001681	4681466	K Type Pipe Clamp Temperature Sensor
8001682	4681394	K Type Temperature Sensor
8001683	4686713	External Vacuum Sensor





Leading the way with tools.



Gauges

Refco

60mm Diameter Dual Scale

Direct Mounted - Bottom Entry 1/8" NPT



Cat. No.	Part No.	Type	Range	Temp. Refrigerant	Features
8001404	M2-250-R134a/22	Compound	-100 : 1000 kPa 30" : 0 : 140 psi	R134a, R22, R404A	Bourdon Type Adjustable
8001405	M2-500-R134a/22	Pressure	0 : 3000 kPa 0 : 400 psi		
8001410	M2-250-DS-CLIM	Compound	-100 : 3600 kPa 30" : 0 : 520 psi	R22, R407C, R410A	
8001411	M2-500-DLS-CLIM	Pressure	-100 : 5400 kPa 30" : 0 : 780 psi		
8001400	M2-255-kPa-R410A	Compound	-100 : 3600 kPa 30" : 0 : 520 psi	R410A	
8001401	M2-555-kPa-R410A	Pressure	-100 : 5400 kPa 30" : 0 : 780 psi		
8001402	R3-220-DS-R410A	Compound	-100 : 3600 kPa 30" : 0 : 520psi		Bellows Type, Adjustable Oil Filled Aluminium Housing
8001403	R3-320-DS-R410A	Pressure	-100 : 5400 kPa 30" : 0 : 780 psi		
8001408	R3-220-kPa-R22	Compound	-100 : 1000 kPa 30" : 0 : 140 psi	R134a, R22, R404A	
8001409	R3-320-kPa-R22	Pressure	0 : 3000 kPa 0 : 400 psi		



Harris

Gauge Protectors



Cat. No.	Part No.	Description
8001918	CPR6333	Rubber Gauge Protector Black

Differential Pressure Gauges

HK Instruments



Differential Pressure Gauge

Cat. No.	Part No.	Gauge Range
1004395	DPG250	0 - 250 Pa
1004396	DPG500	0 - 500 Pa

Differential Pressure Gauge and Pressure Switch Combination

Cat. No.	Part No.	Gauge Range	Switch Range	Accuracy of Gauge	Switching Difference	Accuracy of Switching Point	
						Low Limit Typ.	High Limit Typ.
1004397	DPG600/PS600	0 - 600 Pa	40 - 600 Pa	±2%	30 Pa	40 Pa ± 5 Pa	600 Pa ± 30 Pa



Charging Hoses

Refco



Charging Hoses – 1/4" Flare Connection

Cat. No.	Part No.	Nominal Length	Colour
8001725	CCL-36	Set of 3 - 900mm (36")	Blue, Red, Yellow
8001726	CCL-72	Set of 3 - 1800mm (72")	Blue, Red, Yellow
8001712	CL-36B	900mm (36")	Blue
8001710	CL-36R		Red
8001711	CL-36Y		Yellow
8001715	CL-60B	1500mm (60")	Blue
8001713	CL-60R		Red
8001714	CL-60Y		Yellow
8001718	CL-72B	1800mm (72")	Blue
8001716	CL-72R		Red
8001717	CL-72Y		Yellow
8001723	CL-144B	3600mm (144")	Blue
8001724	CL-144R		Red
8001722	CL-144Y		Yellow

Charging Hoses – For R410A

Cat. No.	Part No.	Description	Working Press.
8001641	CCL-36- 1/2"-20 UNF	Set of 3 hoses, 1 each Blue, Red & Yellow. 900mm (36") long	6000 kPa (870 psig)
8001640	CCL-60- 1/2"-20 UNF	Set of 3 hoses, 1 each Blue, Red & Yellow. 1500mm (60") long	

Charging Hoses – 3/8" Flare Connection

Cat. No.	Part No.	Nominal Length
8001765	HCL6-36Y	900mm (36")
8001767	HCL6-48Y	1200mm (48")
8001768	HCL6-60Y	1500mm (60")

R134a Automotive A/C Ball Service Valves

Cat. No.	Part No.	Description	Connection
8001693	CX-AUTO-R-1/4	High Side Valve – Red	1/4" M. Fl. x Auto Quick Connect Supplied with Angle Adaptor
8001692	CX-AUTO-B -1/4	Low Side Valve – Blue	

Charging Line Valve



Cat. No.	Part No.	Description	Connection
8001694	CA-1/4 SAEY	Charge Line Valve	1/4" FF x 1/4" MF
8001695	CA-1/2 20UNF		5/16" FF x 1/4" MF R410A Rated

Charging Accessories

Refco



Quick Couplers

Cat. No.	Part No.	Description	
8001696	V35010	1/4" x 1/4"	Straight
8001697	V35012		Elbow
8001698	V35410	1/4" x 5/16"	Straight
8001699	V35412		Elbow



Replacement Parts for Service Manifolds

Cat. No.	Part No.	Description	Suit Model
8001669	M4-6-11	Sight Glass Assembly	All Refco
8001673	M2-10-95	Valve Seat & Stem	

Replacement Parts – For 1/4" Flare Charging Hoses

Cat. No.	Part No.	Description
8001644	P509/10	Black Neoprene Gasket (Packet of 10)
8001645	P509T/10	White Teflon Gasket (Packet of 10)
8001731	PSI3/10	Valve Core Depressor (Packet of 10)

Replacement Parts – For 3/8" Flare Charging Hoses

Cat. No.	Part No.	Description
8001662	P510/10	3/8" Charging Line Gasket O'Ring (Packet of 10)

Refrigerant Recovery Units



Inficon

Cat. No.	Part No.	Description
8002002	714-202-G31	Vortex AC Refrigerant Recovery Unit



Rothenberger

Cat. No.	Part No.	Description
8002015	15000500510	Rorec Pro R32 Refrigerant Recovery Unit



Robinair

Cat. No.	Part No.	Description
8000075	RG3000-A	Refrigerant Recovery Unit
8000074	RG5410EX	
8002001	RG600A	



Appion

Compatible with R32 and R123. An isolated crankcase enables pumping liquid without throttling.

Cat. No.	Part No.	Description
8002010	G5TWIN	Twin Cylinder Refrigerant Recovery Unit
8002011	G1SINGLE	Single Cylinder Refrigerant Recovery Unit

Recovery Unit Spare Parts

Cat. No.	Part No.	Brand	Description	Suits
8002003	QS22014	Javac	Manifold Knob Set	Javac XTRACT-R, XTR

Time-Saving Service Tools



D-TEK® Select

REFRIGERANT LEAK DETECTOR

- 3 g/year sensitivity
- Rechargeable NiMH batteries for 6.5 hours of run-time
- Infrared sensor provides 1000 hour lifetime with no loss of sensitivity over time
- Two-year replacement warranty

712-202-G31



Vortex® Dual

REFRIGERANT RECOVERY MACHINE

- 1 HP dual piston compressor provides industry leading recovery rates of all common refrigerants.
- Micro-channel condenser provides exceptional heat exchange keeping head pressures low.
- Industry leading three-year replacement warranty.

714-202-G1



TEK-Mate®

REFRIGERANT LEAK DETECTOR

- 7 g/year sensitivity
- Runs on two "D" batteries for 16 hours of run-time
- INFICON patented heated diode sensor technology
- Two-year replacement warranty

705-202-G1



Electronic Scales



Inficon

Wey-TEK HD™ Electronic Scales

Wireless Refrigerant Charging Scale

Features:

- Huge 15kg capacity
- Free downloadable app
- Auto shut-off to maximise battery life
- Plastic carrying case for protection
- Two year replacement warranty



Wey-TEK HD™

Cat. No.	Part No.	Model No.	Description
8000082	719-202-G1	Weytek Wireless Refrigerant Scale	115kg Electronic Scales



Refco

Electronic Scales

Fully Portable weighing scales.

Features:

- Modern design, large LCD display
- Sturdy construction for a long lifetime
- Programmable
- Supplied in carrying pouch
- Compact and lightweight (2.5kg)
- High accuracy and resolution
- Large platform for refrigerant cylinders
- Field calibratable



REF-METER-OCTA

Cat. No.	Part No.	Model No.	Description
8001785	4679462	REF-METER-OCTA	100kg Electronic Scales

OCTA-WIRELESS

Cat. No.	Part No.	Model No.	Description
8001786	4686663	OCTA-WIRELESS	100kg Wireless Electronic Scales

Replacement Control Boxes

Cat. No.	Part No.	Description	Suits
8001777	4686813	Replacement Control Box	REF-METER-OCTA
8001778	4686752	Replacement Control Box	OCTA-WIRELESS



Rothenberger

Electronic Scales



Cat. No.	Part No.	Description
7700179	R173004	120kg Electronic Scales

Flexible Lines

Cat. No.	Part No.	Length: mm	I.D: mm	Connection
8001823	F01099	700	2mm	1/4" FF Straight x 1/4" FF 90° Elbow
8001824	F01071	1000		
8001827	F03179	700	4mm	
8001828	F03087	1000		

Vacuum Pumps



Rothenberger

Vacuum Pumps



Cat. No.	Part No.	Capacity Litre/min	End Vacuum Microns	Motor HP	Weight: Kg	Intake Ports	Oil Capacity
2704332	R170061	42	25	1/4	9	1/4"	250ml
2704333	R170062	85		1/3	10.7		330ml
2704367	1500050007	170		1/2	11.5		330ml
2704335	R170064	255		1	17		590ml



Robinair

Vacuum Pumps



Cat. No.	Part No.	Capacity Litre/min	End Vacuum Microns	Motor HP	Weight: Kg	Intake Ports	Oil Capacity
2700046	15151S2	35	25	1/4	8.2	1/4" & 3/8"	210ml
2700049	15501S2	118		1/2	10.5		300ml
2705550	15801S2	212		1	16.3		590ml



Appion

Vacuum Pumps



Cat. No.	Model No.	Capacity Litre/min	End Vacuum Microns	Weight: Kg	Description
8002022	TEZ8	227	20	12.7	Two Stage Vacuum Pump



JB Industries

Vacuum Pumps



Cat. No.	Model No.	Capacity Litre/min	Vacuum Rating: Microns	Motor: HP	Weight: kg	Oil Capacity
8002019	DV42N250AU	36	15	1/2	13.2	798ml
8002020	DV85N250AU	72			13.6	798ml
8002005	DV142N250AU	120			14.5	680ml
8002021	DV200N250AU	170			14.5	680ml
8002007	DV285N250AU	242			15.4	709ml

Oil Pump Caddy



Cat. No.	Part No.	Description
8002009	DVT1	The Tank Vacuum Pump Oil Caddy

Vacuum Pump Spare Parts

Cat. No.	Part No.	Brand	Description	Suits
8001988	VS4016	Javac	Exhaust Demister Oil Filter Kit	Javac Shark
8001989	VC2005		Drain Plug	
8001991	VC2036		Power Socket Panel Mount	
8001990	PS-4106		Power Cord	Javac
8001999	S20-502		Round Oil Sight Glass	Javac SE Series
8002004	S20-501	Robinair	Vertical Sight Glass	Javac JD/DD/DS Series
8001992	523195		Oil Fill Plug Plastic	Robinair 15151, 15301, 15501, 15801
8001994	541482		Oil Fill Plug Brass	
8001993	523192		Handle	Robinair 15151, 15301, 15501
8001995	535491			Robinair 15801

Vacuum Gauges



Refco

Ref-Vac Vacuum Gauge

The Ref-Vac is a measuring instrument for the continuous reading of measured values during the evacuation process out in the field as well as in the laboratory. The unit also has a practical hook for hanging.

Cat. No.	Part No.	Model No.	Description	Effective Range
8001980	4686712	REF-VAC	Electronic Vacuum Gauge	0 to 18000 Microns

Dial Vacuum Gauge

A recalibratable gauge with a scale of 1000–0 mbar and 1/8" NPT connection.

Cat. No.	Part No.	Model No.	Description
8001412	9882473	19800 SV	80mm Recalibratable Vacuum Gauge

JB Industries

Digital Vacuum Gauge

Cat. No.	Part No.	Conn: Size	Description	Effective Range
2701805	DV-24N	1/4"MF	Digital Vacuum Gauge with Case	25 to 12000 microns
2700205	DV-41AU			10 to 12000 microns

Vacuum Connection Kits



Appion

MegaFlow Connection Kits

The Appion MegaFlow vacuum-certified refrigerant hoses, manifolds, and other HVAC/R hand tools are designed to help technicians do a better job faster. By removing restrictive valve cores and using large diameter vacuum rated hoses evacuation times can be up to 10 times faster compared to 1/4" connections.

Cat. No.	Part No.	Description	Kit Contents
8001802	MGABAS	MegaFlow Basics Evacuation Kit	1 x 1/2" MegaFlow Hose
			1 x 1/4" valve removal tool
8001804	MGAKIT	MegaFlow Speed Kit	Gauge Manifold
			2 x 1/2" MegaFlow Hoses
			2 x 3/8" MegaFlow Hoses
			2 x Vacuum Rated Valve Core Removal Tools
			1 x 1/2" Connection Hose
			1 x 3/8" Connection Hose
8001810	MGAKIT-V	MegaFlow Vacuum Speed Kit	9 Port Tree Vacuum Manifold
			2 x 1/2" MegaFlow Hoses
			2 x 3/8" MegaFlow Hoses
			2 x Vacuum Rated Valve Core Removal Tools
			1 x 1/2" Connection Hose
			1 x 3/8" Connection Hose
8001814	MGAKIT-R	MegaFlow Recovery Speed Kit	1 x Carrying Case
			Gauge Manifold
			4 x 3/8" MegaFlow Hoses (RBYY)
			2 x 1/4" Valve Core Removal Tools
			2 x 5/16" Valve Core Removal Tools
			1 x Carrying Case

Leak Detection



Inficon

Leak Detectors - Electronic Type



TEK-Mate

Cat. No.	Part No.	Description
8001735	705-202-G1	TEK-Mate Electronic Leak Detector
8001737	703-020-G1	Replacement Sensor
8001738	705-600-G1	Tip Filters



D-TEK™ Select

Cat. No.	Part No.	Description
8001736	712-202-G6	D-Tek™ Select Electronic Leak Detector
8001739	712-701-G1	Replacement Infrared Cell



Refco

Ref-Locator

The requirements for leak detectors are constantly increasing and in order to keep up with the newest developments and technologies Refco have developed the Ref-Locator. This high-end unit fulfills all the norms and requirements which are expected from a modern leak detector today. The basis of heated electrolyte sensor technology sets new standards in the area of leak detection. The sensor has a higher than average life cycle of approximately 10 years, which is a large advantage over conventional leak detectors.



Through the adjustment of the 3 sensitivity levels, it is easy to localize large leakages. In addition, the inspection light is ideal when using in a dark location. The Ref-Locator is delivered in a practical and rugged case.

Cat. No.	Part No.	Model No.	Description
8001740	4686714	REF-LOCATOR	Refrigerant Leak Detector



Robinair

22791A Leak Detector

Cat. No.	Part No.	Description
8001734	22791A	Infrared Refrigerant Leak Detector



Kimo

DFC100 Leak Detector

Cat. No.	Part No.	Description
8001733	DFC-100	Refrigerant Leak Detector



Leak Detection

Amprobe

Ultrasonic Leak Detector



Cat. No.	Part No.	Description
8001732	ULD-300	Ultrasonic Leak Detector



Propipe

Spectroline UV Dye Leak Detection System

Spectroline UV Dye is industry endorsed by leading Industry OEM's such as Emerson, Copland, Bitzer and Daikin to name a few. It's highly concentrated UV dye enables the smallest of leaks to be found quickly and easily using a very small amount of dye.

Simply use the compressor oil capacity as your guide to the amount of dye required; refer dosage instructions on pack. Two injection methods available Hydraulic (see OPK40EZE & EZ100ECS) OR System Pressure Injection (see Glo Sticks 'GS')

OPK40EZE Kit Includes

- Dye for use in compressors with up to 7 Litres of oil per cartridge
- No mess hydraulic injector and hose
- UV enhancing glasses
- Powerful OPTIMAX Torch
- Dye cleaner and remover

EZ100ECS and BEZ400ECS Kit Includes

- Dye for use in compressors with up to 7 Litres of oil per cartridge (BEZ400ECS up to 5.7 Litres, super concentrate)
- No mess hydraulic injector and host

Cat. No.	Part No.	Description	Appliacion Guide
8001756	OPK40EZE	Complete UV Dye Kit	Air Con And Refrigeration Systems
8001758	EZ100ECS	UV Dye Starter Kit	Air Con And Refrigeration Systems
8001761	EZ4ECS	Replacement Cartridges For Above Kits	UV Dye Detection
8001759	BEZ400ECS	Industrial UV Dye Starter Kit	Industrial Air Con And Refrigeration Systems
8001762	BEZ4ECS	Industrial Replacement Cartridges For Above Kit	Industrial Air Con And Refrigeration Systems
8001754	OPX400CS	True Ultra Violet LED Torch PLUS UVS40 Glasses	UV Dye Detection
	UVS40	Fluro Enhancing Glasses	UV Dye Detection
8001750	GS101ECS	1ml Dye Capsule; GLO STICK	For small Systems up to 445ml of oil
8001751	GS1ECS	14.8ml Dye Capsule; GLO STICK	For Residential Systems up to 1.5 Litres of oil
8001752	GS2ECS	14.8ml Dye Capsule; GLO STICK	For Commercial Systems up to 3 Litres of oil
8001749	GS3ECS	14.8ml Dye Capsule; GLO STICK	For Industrial Systems up to 7.6 Litres of oil
8001753	ARGLO4EP	473 ml Bottle of Dye For use with injector	For Use With All Systems, Mix your Own



Fluke

UV Flashlight

Cat. No.	Part No.	Description
8001744	RLD2	UV Leak Detector Flashlight

Fixed Leak Detection

PHASEFALE

Phasefale

RAM Fixed Leak Detection

Features

- Gas concentration readout from 0-990ppm.
- 1 to 5 channels of the same refrigerant type.
- Data logging function to USB
- Fan control output function
- Display flashes for alarm condition
- All common refrigerants supported
- Alarm bypass for isolating alarm
- Light & security outputs, onboard buzzer
- Bright red LCD display, 3 digits
- Programmable settings
- Optional battery backup supported
- Separate RAMiv/4 board to power sensors, supplied in surface mount enclosure

Cat. No.	Part No.	Description
8001787	RAMIV9	Refrigerant Air Monitor
8001788	RAMIV4	4 Way Sensor Board with Enclosure
8001789	RAMIV/P308	P308 HCFC Gas Sensor
8001790	RAMIV/P328	P328 HFC Gas Sensor

CAREL

Carel

DPWL Gas Detectors

The Carel fixed gas detector which can detect a wide range of different gases and can be used on a standalone basis or integrated into refrigeration control systems or building management systems (BMS).

Specifications

- Power Supply: 12 to 24 V AC/DC
- Output Selectable: 0 to 10V or 4 to 20mA
- High Level Interface: Modbus RS485
- Built In Relay: 1A @ 24 V AC/DC

Cat. No.	Part No.	Description	Gas	Enclosure	Temperature Range: C°	Measuring Range: ppm
8001805	DPWLA07000	Compact Gas Detector with inbuilt semiconductor sensor	R22	IP41	-20 to 50	0 to 1000
8001806	DPWLB07000		R134a			
8001807	DPWLC07000		R404a			
8001808	DPWLD07000		R407c			
8001809	DPWLE07000		R410a			
8001818	DPWL417000	Compact Gas Detector with inbuilt infrared sensor	CO2	IP66	-40 to 50	0 to 10000
8001811	DPWLA27000	Gas Detector with 5m remote semiconductor sensor	R22			
8001812	DPWLB27000		R134a			
8001813	DPWLC27000		R404a			
8001815	DPWLD27000		R407a			
8001816	DPWLE27000		R410a			
8001820	DPWL427000	Gas Detector with 5m remote infrared sensor	CO2	IP41	-40 to 50	0 to 10000
	DPWLK07000	Compact Gas Detector with inbuilt dual beam infrared sensor	R134a			
	DPWLL07000		R404a			
	DPWLM07000		R407c			
	DPWLN0700		R410a			

Danfoss

Danfoss

DGS Gas Detectors

The Danfoss Gas Sensor (DGS) is a state of the art fixed gas detector which can detect a wide range of different gases.

The sensors can be used on a standalone basis or integrated into refrigeration control systems or building management systems (BMS).

Cat. No.	Part No.	Description	Default Gas	Enclosure	Temp. Range: C°	Sensor Type
8001792	080Z2098	DGS Gas Detector	R404A/R507	IP41	-20 to 50	Semiconductor
8001793	080Z2092		R134a			
8001794	080Z2093		R407A			
8001795	080Z2090		R22			
8001796	080Z2095		CO2			
8001797	080Z2099		R404A	IP66	-40 to 50	Semiconductor
8001798	080Z2089		R134A			
8001799	080Z2094		R407A			
8001800	080Z2091		R22			
8001801	080Z2096		CO2			
8001803	080Z2097	DGS Gas Detector with 3m Probe	CO2			Infrared

ACTROL™

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Brazing Equipment



Silbraz

Silver Solder

Silbraz is a family of high quality Cadmium Free brazing and other metal joining products designed to meet the exacting needs of the plumbing, HVAC&R, engineering, and other industries using silver and bronze brazing and welding. Our silver brazing solders are manufactured to the highest standards with conformance to the requirements of Australian Standard 1167, as well as Watermark™ certification for all of our low-silver phosphorus alloys. The product range includes phosphorus copper alloys, silver copper phosphorus alloys, high silver Cadmium Free brazing alloys, engineering bronzes, flux coated brazing rods and fluxes.

Handy Packs

Cat. No.	Part No.	Description	Silver Content	Rod Size: mm	Pack Size
8001954	67390	2P Silbraz Silver Solder	2%	2.5 x 750	5
8001956	67419	5P Silbraz Silver Solder	5%		
8001934	67386	15P Silbraz Silver Solder	15%		10
8001957	67537	45 Silbraz Silver Solder	45%	1.5 x 750	5

Bulk

Cat. No.	Description	Silver Content	Rod Size: mm
1900004	2P Silbraz Silver Solder	2%	2.5 x 750
1900001	5P Silbraz Silver Solder	5%	
1900002	15P Silbraz Silver Solder	15%	
1900003	45 Silbraz Silver Solder	45%	1.5 x 750

Flux

Cat. No.	Part No.	Description	Size:
1903102	00567	Easyflo Flux	250 gram

Harris

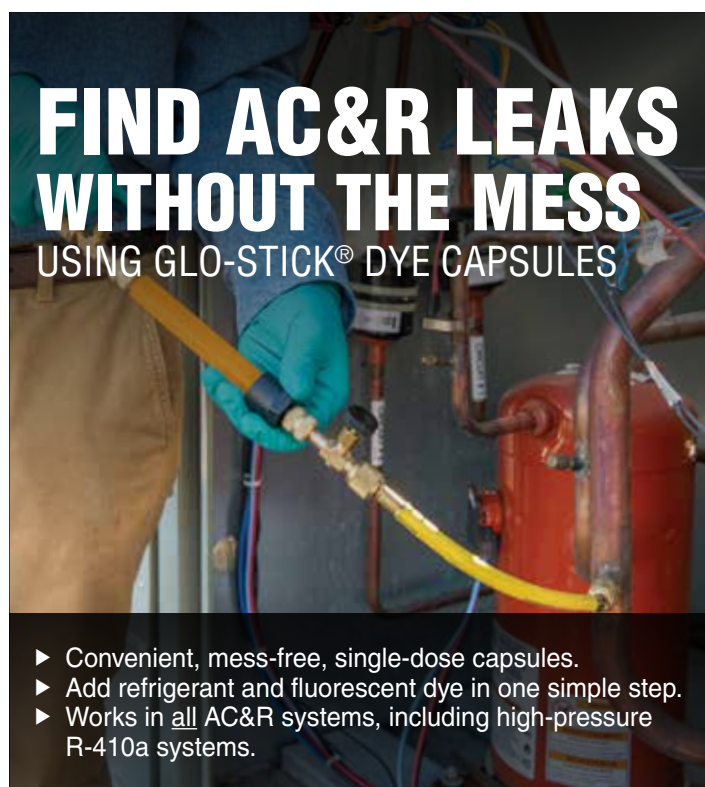
Dynaflow

Dynaflow melts and flows at temperatures very close to 15% silver solders and provides comparable brazed mechanical properties. This makes Dynaflow an excellent cost effective alternative to traditional 15% silver alloys.

Cat. No.	Part No.	Description	Silver Content	Pack Size
8000070	66039	Dynaflow Silver Brazing Alloy	6%	8

FIND AC&R LEAKS WITHOUT THE MESS

USING GLO-STICK® DYE CAPSULES



- ▶ Convenient, mess-free, single-dose capsules.
- ▶ Add refrigerant and fluorescent dye in one simple step.
- ▶ Works in all AC&R systems, including high-pressure R-410a systems.

GLO-STICK® UNIVERSAL/POE DYE CAPSULES



GS-101/ECS GS-1/ECS GS-2/ECS GS-3/ECS

Available in 4 sizes/concentrations.

COMPLETE EZ-JECT™ KIT



OPK-40EZ/E

Features the OPX-400 OPTIMAX™ 400, economical, cordless, battery operated, violet light leak detection flashlight.

TRUSTED BY THESE INDUSTRY LEADERS:



TO LEARN MORE, SCAN QR CODE OR VISIT:
SPECTROLINE.COM



SPECTROLINE®
Innovating for Today + Imagining for Tomorrow
ISO 9001:2008 CERTIFIED COMPANY



Brazing Equipment

Tesuco

Turbo 200 Brazing Kits

The Turbo Set 200 is a compact and light weight gas brazing set, making it ideal for use within the air conditioning and refrigeration industries. Weighing in at only 5kg (including cylinders), the unit is extremely versatile and suitable for use in hard to reach areas. It has been specifically designed for use with 1 each of disposable Mapp & Oxygen gas cylinders.

Features

- Metal carry case
- Flashback arrestors at regulator and handgrip
- 2m of separated hose
- Brazing lance with 160 L/h nozzle
- Protective welding goggles
- Multipurpose spanner
- Pressure regulator for Oxygen with cylinder contents gauge
- Pressure regulator for MAP//Pro with delivery pressure gauge
- Gas adjustment valves at handgrip
- Spare Nozzles 63, 100, 250 and 315 l/h
- Flint lighter



Disposable gas cylinders supplied separately

Cat. No.	Part No.	Description
7001755	OTS 200	Turbo Set 200 Brazing Kit



Refco

Brazing Torch

Features

- Operates on Mapp gas
- Supplied with Cyclone Tube & Heat guard



Cat. No.	Part No.	Description
8001927	16868	Brazing Torch



Disposable Gas Cylinders

Cat. No.	Part No.	Cylinder Contents
6802522	35663	453 grams (16 oz) of Mapp Gas
7001756	OOB	1 Litre Oxygen 11000kPa



Rothenberger

Superfire 2 Brazing Torch

Cat. No.	Part No.	Description
7705464	35644	Super Fire 2 Torch



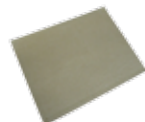
Superfire 3 Brazing Torch

Cat. No.	Part No.	Description
7705473	35430	Super Fire 3 Torch Set



Soldering Mats

Cat. No.	Part No.	Description
7705444	67022	12" x 12" Soldering Mat



Spare Parts

Cat. No.	Part No.	Description	Suits
6802348	35659	Burn Tube	Superfire 2
6802347	35661	Turbine Flame Burner	



Superfire 3 Hot Box Kit

Cat. No.	Part No.	Description
7705475	354901UK	Super Fire 3 Hot Box Kit



Heat Deflector Guards

Cat. No.	Part No.	Suits
6810201	31042	Superfire 2
	31043	Superfire 3



Equipment & Tools

Tesuco

Nitrogen Regulator

A pressure regulator designed for use with nitrogen should be used to reduce the cylinder pressure of nitrogen to a safe and useable working pressure.

The Tesuco 6000kPa high outlet pressure nitrogen regulator has inlet and outlet pressure gauges with rubber protectors, meets AS4267, has a Type 50 inlet connection and 1/4" male flare outlet fitting and is purpose built for the air conditioning and refrigeration industries.



Cat. No.	Part No.	Description
7001751	RI1SNI60	Nitrogen Regulator 6000kPa, 1/4" SAE Flare Outlet with 5/16" SAE Flare Adaptor

Regulator for Disposable Nitrogen Cylinders

The pressure regulator is specially designed to take the full cylinder pressure down to a safe and usable working pressure. The Tesuco nitrogen regulator has an adjustable range of 0-1500kPa and complies to AS4267 except for the inlet connection which is M10 x 1 to suit the cylinder connection. Outlet is 1/4" male flare.

Cat. No.	Part No.	Description
8000072	RG1MNI15	Nitrogen Regulator 1500kPa, 1/4" SAE Flare Outlet



Nitrogen Purge Tools

Cat. No.	Part No.	Description	Sizes
2700167	GEPTT	Nitrogen Purge Tools, 1/4" SAE Flare Inlet	1/4 to 3/4 and 3/4 to 1 1/8



Harris

Nitrogen Regulator

A pressure regulator designed for use with nitrogen should be used to reduce the cylinder pressure of nitrogen (17 600kPa @15°C) to a safe and useable working pressure. Harris model 825 nitrogen regulators have an adjustable range from 0 to 4000 kPa and comply with AS4267.95. The regulators feature a side inlet with a Type 50 connection and a 1/4" Male Flare outlet. Optional rubber gauge protectors will help protect gauges from damage.



Cat. No.	Part No.	Description
8001919	825Z080	Nitrogen Regulator
8001918	CPR6333	Rubber Gauge Protector Black

Replacement Gauges

Cat. No.	Part No.	Description
8001915	U8E6620K	Deliver Gauge 0 - 6 000 kPa
8001916	U8E615K	Content Gauge 0 - 30 000 kPa



Nitro 3000

Nitrogen Purge Controller

The Nitro 3000 is an innovative device designed to remotely turn the supply of nitrogen on and off using a mobile phone.

Cat. No.	Part No.	Description
8001839	N3000	Nitro 3000 Nitrogen Purge Controller



Tube Cutters



Refco

RS Series



Cat. No.	Part No.	Description
8001958	RS-16	1/8" to 5/8" Tube Cutter
8001959	RS-25	1/8" to 1" Tube Cutter
8001960	RS-35	1/8" to 1 3/8" Tube Cutter
8001961	RS-42	1/8" to 1 5/8" Tube Cutter
8001962	RS-67	1/4" to 2 5/8" Tube Cutter

Ratchet Series



Cat. No.	Part No.	Description
8001968	RTC-13	For 1/8" to 1 1/8" (3 to 13mm) Tubing
8001967	RTC-29	For 5/16" to 1 1/8" (8 to 29mm) Tubing



Rothenberger



Cat. No.	Part No.	Description
8002012	70401	Mini tube cutter 1/4"-5/8"
8002013	70402	Mini tube cutter 1/4"-7/8"
8002014	70105	Minicut 2000 tube cutter 1/4"-7/8"
8002008	70015	Minimax tube cutter 1/4"-1 1/8"
8002029	70027	No.35 tube cutter 1/4"-1 3/8"
8002030	70030	Automatic pipe cutter 1/4"-2 5/8"

Reamers/Deburrers



Refco

Inner-Outer Tube Reamer



Cat. No.	Part No.	Description
8001836	RFA-209	For copper, aluminium and brass tubing



Rothenberger

Universal Int/Ext Deburrer

Cat. No.	Part No.	Description
7705168	1500000236	Internal/External deburrer, 6-35mm

Flaring Tools



Refco

Flaring and Swaging Tool Kit

Converts quickly into flaring or swaging tool. Hand chrome finished with self-centering, slip on forged steel yoke.

Cat. No.	Part No.
8001627	RF-175-FS



Eccentric Flaring Tool Kit

Suitable for R410A refrigerant tube

Cat. No.	Part No.
8001625	RF888Z
8001624	RF899Z



Rothenberger

Eccentric Flaring Tool Kit

Suitable for R410A refrigerant tube

Cat. No.	Part No.	Description
7703075	R222402	Pro Flaring Tool



Ridgid

Eccentric Flaring Tool Kit

Suitable for R410A refrigerant tube

Cat. No.	Part No.
7702709	70677



Tube Benders



Refco

Spring Type Tube Benders

Cat. No.	Part No.	Tube OD
8001931	BS-4	1/4"
8001932	BS-5	5/16"
8001933	BS-6	3/8"
8001935	BS-8	1/2"
8001936	BS-10	5/8"
8001937	BS-12	3/4"
8001938	BS-44 Set	1/4", 3/8", 1/2", 5/8"



Lever Type Tube Benders

Cat. No.	Part No.	Tube OD
8001941	RFA-364-FHB-04	1/4"
8001942	RFA-364-FHB-06	3/8"
8001943	RFA-364-FHB-08	1/2"
8001944	RFA-364-FHB-10	5/8"
8001945	RFA-364-FHB-12	3/4"



3-in-1 Lever Type Tube Benders

Cat. No.	Part No.	Tube OD
8001946	FRA368FH	1/4", 5/16", 3/8"



Cross Bow Type Tube Benders

Cat. No.	Part No.	Tube OD
8001947	Tell- 7	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"





Tube Expanders

Refco

Hydraulic Tub Expander Kit

Using hydraulic power this light weight hand tool makes a perfect expansion of copper and aluminium tubing with only a few pumps.

Cat. No.	Part No.	Description
8001930	HY-EX-6	Hydraulic expander with 6 heads $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", plus deburring tool



Rothenberger

Copper Tube Expander Kit

Cat. No.	Part No.	Size	Description
8001925	012321	Kit	c/w 4 Heads – $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ "

Copper Tube Expander Heads

Cat. No.	Part No.	Size
7701360	11052	$\frac{3}{8}$ "
7701362	11053	$\frac{1}{2}$ "
7701364	11054	$\frac{5}{8}$ "
7701366	11055	$\frac{3}{4}$ "
7701367	11056	$\frac{7}{8}$ "

Cat. No.	Part No.	Size
7701368	11057	1"
7701369	11058	$1\frac{1}{8}$ "
7701371	11059	$1\frac{1}{4}$ "
7701380	11035	$1\frac{3}{8}$ "
8001929	11062	$1\frac{5}{8}$ "



Gratfix Deburrer

Cat. No.	Part No.	Description
8001854	107050	GRATFIX with HSS general purpose blade
7705166	21652	Spare HSS general purpose blade



Equipment & Tools



Refco Ratchet Spanners – Reversible

Cat. No.	Part No.	Description
8001852	RFA-124-C	1/2", 9/16", Hex. 3/16", 1/4" Square Ratchets
8001853	RFA-127-C	1/4", 3/8", 3/16", 5/16" Square Ratchets
8001851	RFA-127-C - Offset	

Reamer

Cat. No.	Part No.	Description
8001835	RFA-209-STYLO-HD	Reamer HSS blade

Capillary Tube Gauge

Cat. No.	Part No.	Description
8001860	10971	Capillary Tube Gauge

Torque Wrench Kit

Cat. No.	Part No.	Description
8001848	TW8	Torque wrench kit c/w 7 different sized interchangeable spanners to fit R410A flare nuts Sizes:17, 19, 22, 24, 26, 27, 29mm Adjustable torque setting range 10 - 75Nm



Refco

Fin Combs

Cat. No.	Part No.	Model No.	Description
8001617	9881562	14142	Fin Comb with Spare Head
8001618	9881561	14144	Spring Steel Fin Comb

Service Piercing Pliers

Cat. No.	Part No.	Description
8001621	14210-STD	Service Piercing Pliers
8001622	14210-01	Spare Needle

Pinch-Off Pliers

Cat. No.	Part No.
8001620	14200

Swaging Pole

Cat. No.	Part No.	Size
8001623	T-21100	1/8 to 1 3/4

Inspection Mirrors

Cat. No.	Part No.	Brand	Description
8001840	M-1	Wagner	Swivel Mirror with double ball joint links. With telescoping feature 160mm long extending to 475mm. Mirror 32mm Diameter
8001841	M-2		Same specifications as M1 but telescoping feature 250mm long extending to 355mm. Mirror 57mm Diameter

Safe Test Screwdriver

Cat. No.	Part No.
8001838	Safe Test Screwdriver



Actrol

Charge-Oil Pump

Cat. No.	Part No.
8001780	21702

Manual Oil Pump

Cat. No.	Part No.
8001783	RMP

Equipment & Tools

SOS



Condenser Tube Cleaning Tools

Nylon stiff bristles are used for removing algae and silt. The bush size should be slightly smaller or size for size with the I.D. of the tube to be cleaned.

Cat. No.	Part No.	Description	Size
8001950	NB-58	Nylon Tube Cleaning Brush	5/8"
8001952	NB-34		3/4"
8001953	FS12.7-7.6	Flexible Shaft	12.7mm x 7.6m
8001955	FS-RTC-8	Adaptor	8mm

Hole Cutters



Rothenberger



Dry Diamond Core Drill Kit

Cat. No.	Part No.	Description
7700655	89020	Dry Diamond Core Drill Bit



Patlee Tools



Core Cutter Sets

Cat. No.	Part No.	Description	
2702736	PWCCSET-AN	Core Cutter Set	Tungsten Carbide Tipped
2702889	PWCCSET-AG		Tungsten Carbide Grit
2702890	PWCCSET-AD		Diamond



BVA

Hand Refractrometer



Cat. No.	Part No.	Description
8001821	BVA ET	Ester Tester Hand Refractrometer



Cliplight

LED Worklight



Features

- 160 Lumens
- 28 high intensity LED'S on the face of The worklight
- 5 high intensity LED'S on the top - for a flash light
- 360 degree swivel hook that folds away when not in use
- Powerful magnetic base
- 3 AAA batteries included

Cat. No.	Part No.	Description
8001906	24-458	33 LED Pivoting Worklight

Tool Bags & Boxes

Veto Pro Pac



MB Tool Bags

The MB is a clip-on meter bag designed to hold a small selection of tools and one or two meters. When not in use it can clip onto any model Veto bag's tape clip or D-Rings. It features 10 pockets of various sizes that will accommodate a number of meters and a few of the most commonly used tools to diagnose and repair problems on service calls.

Cat. No.	Part No.	Description
7701087	VETOMB	HVAC Test Meter Tool Bag
7701088	VETOMB2	HVAC Test Meter Tool Bag



TP Tool Bag

The TP3 and TP4 are clip-on diagnostics bags designed to hold a meter and a variety of tools. When not in use they can clip onto any model Veto tool bag's tape clip or D-Rings. They feature pockets of various sizes that will accommodate the most commonly used tools to diagnose and repair problems on service calls.

Cat. No.	Part No.	Description
7701089	VETOTP3	HVAC 3 Pocket Tool Bag
7701090	VETOTP4	HVAC 4 Pocket Tool Bag



OTLC Tool Bag

The OT-LC is compact with plenty of capacity to hold over 75 hand tools. Load it up with meters, tools, fixtures or whatever else you need. Top-in loading and unloading allows for a less disciplined grab and bolt approach without sacrificing durability or comfort.

Cat. No.	Part No.	Description
7701093	VETOOTLC	Open Top Tool Bag



TECH Series Tool Bags

The TECH Series Tool Bags are a HVAC service technician bag designed to accommodate HVAC service technicians tools and work routines. The TECH-LC sports 53 pockets with ample pocket room for hand tools, a parts box(es), meter(s), a cordless impact drill and other bulkier items. 8 new small neoprene pockets have been added for drill bits and bit extensions.

Cat. No.	Part No.	Description
7701032	VETOTECHLC	HVAC Tech Large Tool Bag
7701037	VETOTECHMCT	HVAC Tech Small Tool Bag



XLT Laptop Tool Bag

The XLT is a rugged laptop/tool and tech bag designed to organize and store a laptop, business accessories and hand tools in the field. Its rugged construction will protect sensitive computing and testing equipment on the jobsite and will keep other business essentials and hand tools organized and within easy reach. This is the one bag that does it all.

Cat. No.	Part No.	Description
7701097	VETOXLT	Extra Large Laptop and Tool Bag



Tech Pac Backpack

The Tech Pac is a backpack tool bag designed to help HVAC&R technicians carry hand tools, meters, gauges and other instruments safely up ladders and across long distances. It features 47 vertically tiered pockets inside and out and a patented centre panel design with ample room for hand tools, meters, parts boxes, cordless drills and impact drivers, and other bulkier items such as manifold gauges and hoses.

The backpack toolbag is designed to maintain a safe work environment while servicing equipment that is either located on rooftops or in buildings where walking long distances are required.

Cat. No.	Part No.	Description
7701034	VETOTECHPAC1	Backpack Tool Bag

The smarter way to work.

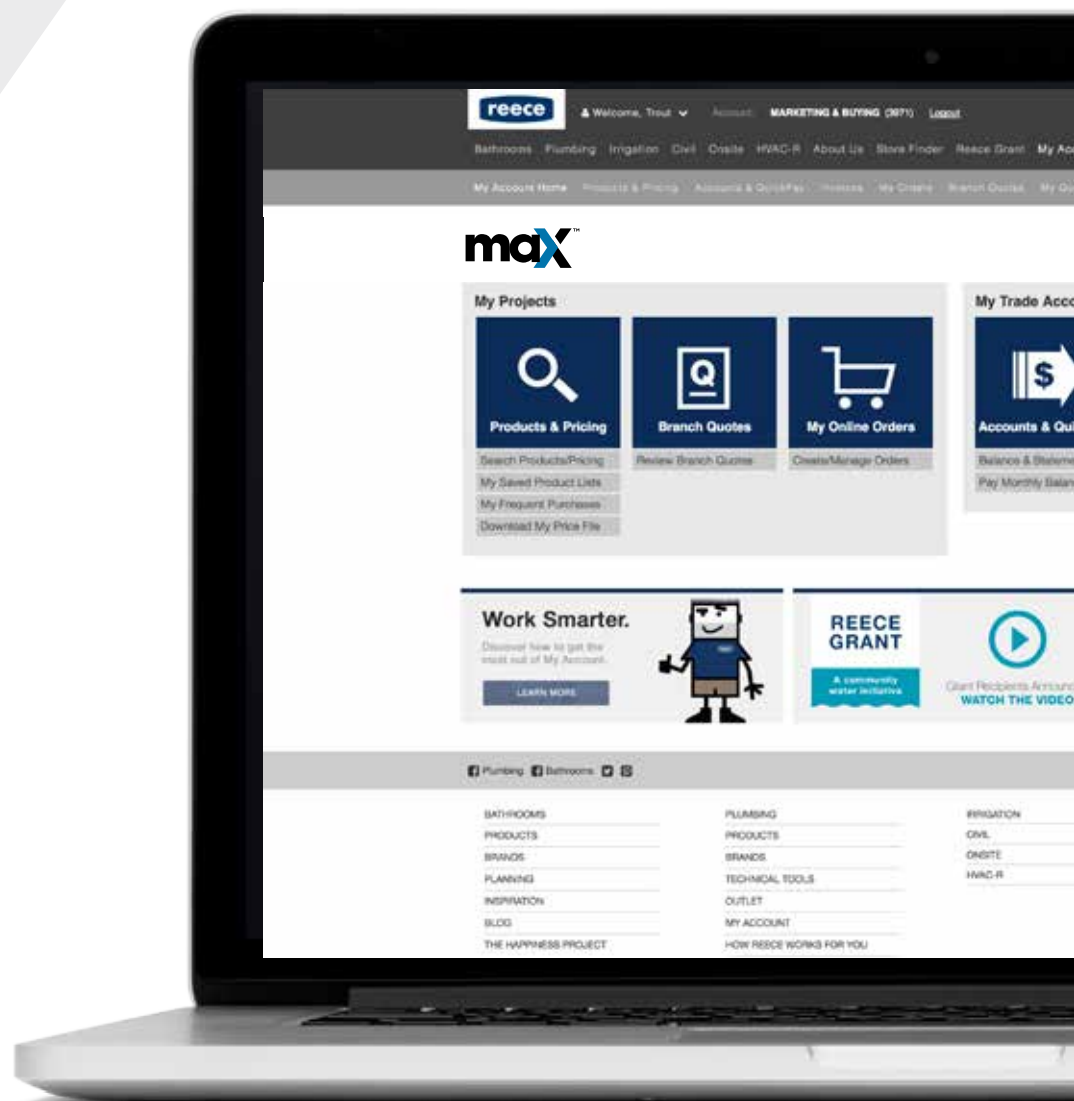


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Safety



Eyewear

Cat. No.	Part No.	Description
7626885	02/ARW02	Clear Safety Sunglasses
7626890	02/ARW02SMO	Smoke Safety Sunglasses
8001396	02/ARW02SIL	Silver Safety Sunglasses

Wide Vision Goggles

Cat. No.	Part No.	Description
8002034	02/UN45	Wide Vision Goggle

Head Protection

Cat. No.	Part No.	Description
8002037	01/UN22	Safety Helmet ABS

Hearing Protection

Cat. No.	Part No.	Description
8002039	04/EP011	Ear plugs with cords - single pair

Ear Muffs



Cat. No.	Part No.	Description
8002084	04/X02	Ear Muff Yellow 23dB Class 4

Respiratory Protection



Cat. No.	Part No.	Description
8001392	05/BD842	Disposable Respirator Masks Box 20

Hi-Visibility



Cat. No.	Part No.	Description
8002098	06/B1261	Day Safety Vest
8002208	06/B1691	Day Night Safety Vest

Gloves



Cat. No.	Part No.	Description
8002244	09/AR029	Amourwear Foam Nitrile Palm Gloves Size 9
8002245	09/H115	Candy Stripe Leather Palm Gloves

Accessories



Sunscreen

Cat. No.	Part No.	Description
1906149	10/JA21	Sunscreen SPF 30+ 125ml



First Aid Kits

Cat. No.	Part No.	Description
8002246	18/B05	Small Travel First Aid Kit

TOOLS WITH BITE

— GRAB ONE TODAY —



 **BIGDOG**
HEAVY DUTY
CAULKING GUN
4902336



 **BIGDOG**
FOLDING LOCK BACK
UTILITY KNIFE
9502675



 **BIGDOG**
8M MAGNETIC
TAPE MEASURE
9505876



 **BIGDOG**
ADJUSTABLE
WIDE JAW
WRENCH 150MM
9502806



 **BIGDOG**
HANDSAW
350MM
9505894



 **BIGDOG**
TELESCOPIC
INSPECTION
MIRROR
7900039

