



HVAC/R Tools & Equipment Product Guide 2024











Aspen Pumps Group is unique in its global reach, trading in over 100 countries worldwide.

However, Aspen is not purely an export business; it is a multinational organisation with sales teams across the world with offices in 4 continents. Our continuous investment in people and warehouse infrastructure means we are a leader in the provision of service, quality and customer support. This approach to business means we have the most extensive and well supported wholesaler partnership network in the world.

The Aspen Pumps Group takes pride in its business performance, celebrating success in its core capabilities of Enterprise, Innovation and International Trade through winning Queen's Awards for each (2009, 2014, 2019).

Aspen Pumps Group – a global award winning business.

Ropemakers, Hailsham UK:

Our new 33,500sq ft warehouse ready to house our ever expanding portfolio of products. Just one of our many warehouses across the globe designed to give you the best in customer service.

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JAVAC

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1 LINILITE

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JAVAC Servicing & Calibration 134

Key









All universal/POE dye capsules are NSF Certified and registered to meet food-grade processing requirements for category codes HTX-2 and HX-2.

Gurantee

Service Calibration Available Available



The JAVAC brands have a proud heritage of supplying quality and premium tools to the HVAC/R industry. The devil is in the detail and for over 50 years the JAVAC brand has stood for reliability and service – making JAVAC, and JAVAC Edge, one of the UKs most trusted names in HVAC/R service equipment. As part of the Aspen Pumps Group, our focus is on products which make the installer's life easier.

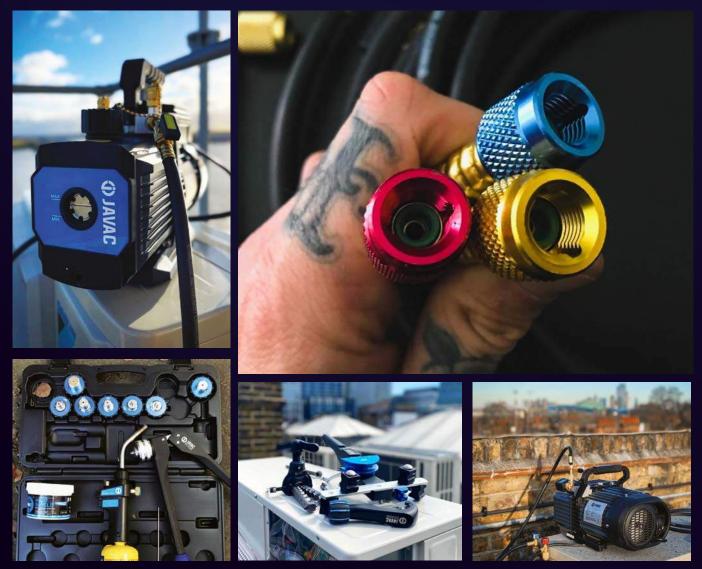


Photo credit: Top left clockwise: @godfreylappage, @hvac_spark, @temp_technical, @temp_technical, @hvac_spark



XTR-Altima A2L

SPARK PROOF REFRIGERANT RECOVERY UNIT



- Suitable for R32, R1234YF plus all standard refrigerants
- Spark proof design: 5 m hard wired cable
- Protected switches & circuit breaker
- Fast recovery rates, twin head compressor
- High torque AC motor

| Suitability | R32, R1234YF, HFC/HCFC/CFC/A2L, Standard |
|-------------------|---|
| Push/Pull (kg/hr) | 660 |
| Vapour (kg/hr) | 30 |
| Liquid (kg/hr) | 216 |
| Power supply | 230 V |
| Motor size | 3/4 HP |
| HP cut out | 500 psi (35 bar) |
| Compressor | V-Twin with electronic starter |
| Weight | 16kg |
| Dimensions | 420 x 290 x 420mm |

DescriptionPart No.XTR-Altima A2LXTRC2-A2L

Information correct at time of going to press.



XTR-Pro DV A2L

SPARK PROOF DUAL VOLTAGE REFRIGERANT RECOVERY UNIT



- Suitable for R32, R1234YF plus all standard refrigerants
- Spark proof design: 5 m hard wired cable
- Protected switches & circuit breaker
- Dual voltage switch easily to 115 V* or 230 V
- Integrated circuit breaker protection.
- X-Connect technology protects against incorrect voltage

| Description | Part No. |
|----------------|----------|
| XTR-Pro DV A2L | JAV-1061 |

| Suitability | R32, R1234YF, HFC/HCFC/CFC/A2L/A3, Standard |
|-------------------|--|
| Push/Pull (kg/hr) | 300 |
| Vapour (kg/hr) | 15 |
| Liquid (kg/hr) | 90 |
| Power supply | 115 V* or 230 V |
| Motor size | 1/2 HP |
| HP cut out | 500 psi (35 bar) |
| Compressor | Oil-less |
| Weight | 12kg |
| Dimensions | 420 x 290 x 420mm |
| | |

*115V cable sold separately.

Information correct at time of going to press.

() JAVAC

REFRIGERANT RECOVERY



XTR-Ultra A2L

REFRIGERANT RECOVERY UNIT



- Ultra lightweight 8.4kg
- Ultra fast liquid recovery rate 120kg/hr
- Spark proof design: 5 m hard wired cable
- Suitability A2L, HFC, HCFC & CFC

| Suitability | A2L / HFC / HCFC / CFC |
|-------------------|------------------------|
| Push/Pull (kg/hr) | 420 |
| Vapour (kg/hr) | 19 |
| Liquid (kg/hr) | 120 |
| Power supply | 240 V |
| Motor size | 3/4 HP |
| HP cut out | 550 psi (38 bar) |
| Compressor | Oil less |
| Weight | 8.4kg |
| Dimensions | 320 x 220 x 260mm |

| Description | Part No. |
|--------------------------------|---------------|
| XTR-Ultra A2L Recovery Unit UK | XTR-ULTRA-A2L |





HC-3 Hydrocarbon

() JAVAC (1) (3) (42) (5)

- Liquid and vapour recovery with automatic changeover
- Self discharging and Hot Gas/Cool Gas discharge switch
- On board refrigerant storage facility capacity 250g
- Automatic high and low pressure safety switches and manual low pressure override switch
- 110V and 240V models available
- Compressor protection, HP switch plus thermal overload

| Description | Part No. |
|------------------|----------|
| HC-3 Hydrocarbon | JAV-1032 |



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For use on A3 please scan the QR code to read the A3 safety instructions. **DO NOT USE UNLESS FULLY QUALIFIED FOR A3.**

| Suitability | R22, R134A, R404A, R407C,R410A, R413A, R417A, R502, R600A, R290, R1234YF, R32 & all CARE [®] blend refrigerants |
|------------------|--|
| Recovery (kg/hr) | 32 |
| Power supply | 240 V |
| Motor size | 145W |
| HP cut out | 360 psi (25 bar) |
| Compressor | Hermetic oil-lubricated, air cooled |
| Weight | 21kg |
| Dimensions | 470 x 235 x 335mm |
| | |



Airflow

HC-Air Fan Ventilation Module

() JAVAC (1) 🙀 🖓 🕰 🛠

- The HC-Air fan module is an essential service accessory to be used when transferring hydrocarbon refrigerant and should feature in the risk assessment process
- Commutated motor
- 5 m hard wired mains lead with moulded plug
- Non sparking thermoplastic fan blade for increased performance and reduced noise level
- · Mains cable storage
- Robust painted steel casework

| Description | Part No. | |
|--------------------------------|----------|--|
| HC-Airr Fan Ventilation Module | JAV-1033 | |

| AIIIOW | |
|-------------------------------|-------------------|
| Power supply | 230 V 50Hz |
| Power Absorbed | 25W |
| Fuse Protection | 3A |
| Ambient temperature rating | -20°C to 55°C |
| Weight | 6.48kg |
| Dimensions | 300 x 220 x 380mm |
| | |

700 m³ /h



For use on A3 please scan the QR code to read the A3 safety instructions. **DO NOT USE UNLESS FULLY QUALIFIED FOR A3.**





Suitability

Bulldog A2L/A3 SPARK PROOF VACUUM PUMP

- Spark proof design: 5 m hard wired 240 V cable
- Two stage oil sealed vacuum pump
- Isolation solenoid valve
- Dual oil mist filters to prevent oil mist
- Unique tri-connector offers three hose fittings designed to cover a broad range of application capabilities

| Stage | Double |
|-----------------------|-----------------------|
| Ultimate vacuum | 15 Microns |
| Free air displacement | 156 l/m (5.5 CFM) |
| Power supply | 240 V 50Hz |
| Motor size | 2880 rpm |
| Power cord | 5 m, Glanded |
| Oil capacity | 450ml |
| Intake fittings | 1/4", 5/16", 3/8" SAE |
| Weight | 12.5kg |
| Dimensions | 338 x 212 x 238mm |

Anti-oil demister

to prevent oil-mist

All standard and A2L applications

Intake fittings



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Description

Bulldog A2L

For use on A3 please scan the QR code to read the A3 safety instructions. **DO NOT USE UNLESS FULLY QUALIFIED FOR A3.**

Part No. VBD1622



CC Series A2L/A3

SPARK PROOF VACUUM PUMPS

() JAVAC (A3) (A2) (5) (7) 115/ 230V

- High performance A2L / A3 range
- Sparkproof switches
- Hard wired 5m Lead
- Dual Voltage
- Solenoid valve
- Easy Access oil drain



For use on A3 please scan the QR code to read the A3 safety instructions. **DO NOT USE UNLESS FULLY QUALIFIED FOR A3.**









| Model | CC-31 A2L | CC-141 A2L | CC-231 A2L | |
|-----------------------|----------------------------------|-------------------------|--------------------|--|
| Part No. | CC-31 A2L | CC-141 A2L | CC-231 A2L | |
| Suitability | All star | ndard and A2 / A3 appli | cations | |
| Stage | | Double | | |
| Ultimate vacuum | 15 microns | | | |
| Free air displacement | 40 l/m (1.4 CFM) | 151 l/m (5.3 CFM) | 251 l/m (8.9 CFM) | |
| Power supply | Dual voltage 110/240 V 50Hz | | | |
| Motor size | 1/4 HP | 1/2 HP | 2/3 HP | |
| Power cord | IEC | | | |
| Oil capacity | 140 ml | 540 ml | 620 ml | |
| Intake fittings | 1/4" SAE, 3/8" SAE and 1/2" ACME | | | |
| Weight | 4.5 kg | 11 kg | 14.8 kg | |
| Dimensions | 265 x 105 x 220 mm | 348 ×140 × 272 mm | 380 × 160 × 285 mm | |
| | | | | |



Torr Gauge

) JAVAC (1)

- Stainless Steel construction
- Blow out plug for over pressure protection (available as a spare part no. CR2-PLUG)

| Description | Part No. |
|-------------|----------|
| Torr Gauge | CR2-40 |

| Accuracy | Class 2 |
|--------------------------|-----------------------|
| Units | Torr, mbar |
| Operating pressure range | 0 - 40 Torr / 50 mbar |
| Connector type | 1/4" Flare connection |
| Diameter | 100mm |

Vacuum Pump Oil

() JAVAC

- Designed for rotary vane vacuum pumps
- · Maximises performance and increases depth of vacuum
- Contains additives to improve the anti wear performance, oxidisation resistance, corrosion protection, pour point (cold starting), air release and anti foaming tendencies
- Low lacquer & carbon forming tendency ensuring cleaner systems
- Excellent corrosion resistance
- Improved sealing and mechanical efficiency
- High film strength. Minimal oil carry-over



| Description | Part No. |
|-------------------|----------|
| Universal Oil 1 L | HV68/1 |
| Universal Oil 1 L | HV68/4 |





() JAVAC

VACUUM PUMPS, GAUGES & OILS

VG64 Digital Vacuum Gauge

⊕ 🕸 JAVAC

Dual port, high resolution, fast response digital vacuum gauge now with convenient magnetic HVAC strap.

- Reads vacuum in seven international units
- Ultra fine resolution
- Auto shut-off
- Display updates every 1/2 second
- Convenient built-in hanger
- Easy to clean sensor (use isopropyl alcohol)
- Low battery indicator

| Description | Part No. |
|----------------------|----------|
| Digital Vacuum Gauge | VG-64 |

| Operating pressure range | 0-12,000 microns |
|--------------------------|--|
| Resolution | 1 micron when vacuum is less than or equal to 200 microns |
| Sensor type | Thermistor |
| Accuracy | +/- 10% (100-1000 microns) |
| Units | Microns, mbar, Pa, Torr, mTorr, psi, inHG |
| Operating temp. range | 35°F to 125°F (2°C to 52°C) |
| Maximum overpressure | 500 psi (34 Bar) |
| Connector type | Standard 1/4" male flared fitting |
| Power Source | 9 V battery (not included) |
| Battery life | 40 hours |
| Auto shut off | After 10 Minutes when vacuum reading is above 12,000 microns (12 Torr) |







5° bend ¼ flare female connector connects directly onto the system allowing for a more accurate reading

Digital Vacuum Gauge

Patented vacuum gauge technology* enables the highest accuracy possible in a micron gauge

- Small and mighty. Pocket size, measuring only 110mm tall
- Automatic oil sensor
- Calibration self-check' function tells the user when and if recalibrationis necessary
- Instantaneous warm-up and response time
- 'Leak Rate Indicator' & 'Programmable Productivity' functions (Evacuation and Rise-Time Analysis) – saving you time by automating the work

| Description | Part No. |
|----------------------|----------|
| Digital Vacuum Gauge | JAV-1041 |

| Range | 0 - 25,000 Microns (3330 Pa, 33.30 mBar, 25mmHg) |
|----------------------|---|
| Accuracy | ± (5% of Reading |
| Resolution | 1 Micron (0.1 Pa, 0.001 |
| Units | Microns, Pa, mBar,mmHg, Torr |
| Warm-up Time | Instant |
| Response Time | Instant |
| Power | 2 X 'AAA' Alkaline Batteries. |
| Operating temp | -12°C - 50°C |
| Maximum Overpressure | 500 PSI (34.5 Bar) |
| Dimensions | 110 x 33 x 25mm |
| Weight | 77 g including batteries |
| | |





D-Tek 3® REFRIGERANT GAS LEAK DETECTOR

↓ JAVAC ① 会 ⊕

Detects all HCFCs, HFCs, HFOs, blends (including A2Ls), ammonia & SF6.

- Ultra high sensitivity to all standard refrigerant gases, 1gm/yr.
- Compatible with optional CO2 sensor.
- Longest sensor life in the industry.

| Sensitivity | 1 g/year sensitivity per EN14624 |
|-----------------|---|
| Detects | All HCFCs, HFCs, HFOs, blends (inc. A2Ls), ammonia, and SF6 |
| Operating temp. | -20°C to 50°C (-4°F to 122°F) |
| Power | Rechargeable Lithium Ion Battery with USB charging cable |
| Battery life | ~10 hours |
| Display | LED visual and audible |
| In the box | 1 x D-TEK 3, 1 x Infrared sensor 1 x Lithium ion rechargeable battery, 2 x Spare filters, 1 x AC wall charger |

| Description | Part No. |
|-----------------------|-----------------------|
| D-Tek 3 Leak detector | JAV-1283 (721-202-G1) |

| Suggested spare | Part No. |
|--|-------------|
| TEK-Check® reference leak | 703-080-G10 |
| Verifies the functionality of your leak reference leak.5g of refrigerant. Lea year at 20 Deg C. Easy to store. | |







Tek-Mate REFRIGERANT GAS LEAK DETECTOR

① JAVAC ② ④ 兌

- F-GAS Compliant, tested to BSEN14624.
- Controls soft touch switch-off, low sensitivity, high sensitivity.
- Contamination adjustment automatic.
- R22: 2g / yr.

| Sensitivity | CFCs, HCFCs, HFCs (inc. A2Ls) R22: 2g/yr, R410A: 5g/yr |
|-------------------|--|
| Sensor technology | Heated diode |
| Operating temp. | -20°F to 122°F -27°C to 50°C |
| Power | 2 D-size (1.5-volt) alkaline batteries |
| Battery life | 16 hours |
| Display | Visual LED |
| Weight | 700g |
| In the box | Sensor, 2 D-size alkaline batteries, spare filters, hard carrying case |

| Description | Part No. |
|-------------|-------------|
| TEK-Mate | 705-202-G21 |

Suggested spares

| Filter for TEK-Mate | 705-600-G1 | |
|---------------------------|------------|--|
| Spare sensor for TEK-Mate | 703-020-G1 | |





D-Tek Stratus®

REFRIGERANT GAS LEAK DETECTOR



Worlds first hand-held cloud hunting leak detector with LCD readout. With 3 operating modes to locate leaks faster than ever: Cloud hunt; Pinpoint & Manual zero mode. Cloud hunt allows you to locate the general area of the leak, whilst Pinpoint mode gives you the precise location -2 leak detectors in one portable unit with an easy to read LCD display

- 4-point sensitivity settings in pinpoint mode (super, high, medium & low)
- •New lithium ion battery with quick charge capability and easy field replacement
- Manual zero mode allows the engineer to zero the detector to background refrigerants
- Comes with an additional extra long probe for hard to reach areas, and multiple-region charging adaptors
- Probe filter (pre installed) can be easily checked and replaced, and redesigned infrared sensor has the longest life in the industry
- Detects all CFCs, HCFCs, HFCs, and HFOs
- Designed for ergonomic comfort with rugged carrying case and comes with a two-year replacement warranty

| Description | Part No. |
|-------------------------|---|
| D-TEK Stratus (inc.case | e) 724-202-G11 |
| | |
| Sensitivity | 0.03 oz./yr. (1 g/a) |
| Sensor technology | Infrared |
| Power | Lithium ion battery (rechargeable) |
| Battery life | 8 hours - cloud hunting mode 10 hours - pinpoint mode |
| Display | Visual LED |
| Weight | 490g |
| Compatible refrigerants | R22, R32, R134a, R404a, R407c, R410a, R422b, R448a, R449a, R452a, R452b, R507 (AZ50), R1234yf, CO2 (requires CO2 sensor), ammonia, SF6, and more |
| Typical applications | Industrial AC & refrigeration |
| | |

| Part No. |
|------------|
| 721-605-G1 |
| 721-606-G1 |
| 712-705-G1 |
| 724-700-G1 |
| 724-701-G1 |
| 724-701-G2 |
| 712-707-G1 |
| |







Whisper® VACUUM / NITROGEN ULTRASONIC LEAK DETECTOR



Detects and locates sources of ultrasonic sound through the use of a specialised receiver which detects frequencies in the 40.5 kHz range.

- Locates the ultrasound's source while an Internal Noise Control ensures the instrument is unaffected by audible noise.
- Can be used in extremely noisy environments, such as mechanical rooms, plant rooms and operating chillers.
- Optional ultrasonic transmitter for quick and accurate leak checking in walk-in coolers/freezers, wall and ceiling joints, around doors, windows, ducts, etc.

| Sensitivity | 40.5 kHz |
|-------------------|---|
| Sensor technology | Ultrasonic receiver |
| Power | 2 D-size (1.5 V) alkaline Rechargeable, NiMH power sticks |
| Battery life | 16 hours |
| Display | Visual LED |
| Weight | 540g |

| Description | Part No. |
|-------------|------------|
| Whisper | 711-202-G1 |







Gas-Mate® Hydrocarbon & trace-a-gasth compatible

() JAVAC (2) (3) (2) (5)

- Twice as sensitive as the nearest competitor.
- Trace-A-Gas[™] sensitivity hydrogen 5 grams a year.
- Also detects natural gas, propane, butane, cyclopentane, ethane, ethanol, isobutane and ammonia – R1234YF, R1234ZE, R32, R290, R600.
- A2L & A3 ready
- Adjustable sensitivity helps pinpoint leaks fast.
- Auto-zeroing for ignoring background gas levels in leak test area.

• Certified intrinsically safe by MET Laboratories for use in combustive / explosive environments.



Description

| Gas-Mate | 718-202-G21 |
|-------------------|---|
| | |
| Sensitivity | 5ppm methane |
| Sensor technology | Surface reaction |
| Power | 2 D-size 1.5 Volt Alkaline Batteries |
| Battery life | 16 hours |
| | Multiple LEDe veriable |

Part No.

| Display | Multiple LEDs, variable intensity audio alarm indicates leak strength |
|---------|---|
| Weight | 700g |

Suggested spares

Sensor

706-700-G1



For use on A3 please scan the QR code to read the A3 safety instructions. **DO NOT USE UNLESS FULLY QUALIFIED FOR A3.**



With over 65 years designing and manufacturing high-quality fluorescent leak detection dyes and ultraviolet lamps. Our dyes glow brighter than the competition and is a simple and smart investment for detecting leaks whilst working as preventative maintenance revealing leaks in the future. Aspen Pumps Group are a proud and exclusive distributor of Spectroline in the UK.



Injection





SPECTROLINE

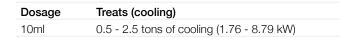
JAV-1421

GIOSEAI UV DYE & SEALANT - INJECTION

Works to pinpoint the exact location of all leak areas and seals AC&R micro-leaks from the inside.

The Spectroline patented dual pivoting adapter easily switches from 5/16" or 1/4" flare fittings, making it a versatile tool to keep on hand.

- Works with all popular refrigerants and oils
- Non-polymer, oil-soluble formula safe for system components and recovery equipment
- Remains safely in system to help protect against future leaks highly concentrated to see all leaks glowing brightly





| Description | Part No. |
|---|----------|
| GLO SEAL™ 10ml Syringe Injector – Single Use | JAV-1421 |
| GLO SEAL™ 10ml Syringe Injector & Adapter | JAV-1420 |
| Kit includes: 2 x Single use syringe injector (10 ml) 1 x Patented dual adapter (1/4" flare - 5/16" flare) | |

Injection



AND



Inject dye with a turn of the handle

JAV-1174

JAVAC

CHARGING SCALES

GloSeal **UV DYE & SEALANT - INJECTION**



Have peace of mind as Glo Seal works for you 24/7 for continual leak detection and ongoing sealing

- Works with all popular refrigerants and oils
- Non-polymer, oil-soluble formula safe for system components and recovery equipment
- · Remains safely in system to help protect against future leaks
- Can be injected with system off or running



| Description | Part No. |
|----------------------------------|----------|
| Glo Seal, 1 x 15ml (SPE-EZDS-CS) | JAV-1174 |
| Glo Seal Kit (SPE-EZDSK-CS) | JAV-1173 |

Kit includes:

2 x 15ml Glo Seal Universal/POE dye cartridges

1 x Dye injector assembly

- 1 x 20cm hose assembly with low-loss fitting & check valve
- 1 x R-410A adapter; service labels

| Dosuge | neats (coomig) | |
|--------|----------------|--|
| 15ml | up to 12kW | |
| | | |

Treats (cooling)

Information correct at time of going to press

Dosade

SPECTROLINE

UV LEAK DETECTION

Inline







Charge inline with refrigerant

1/4" connections built in





Convenient, mess-free, single-dose capsules. Have peace of mind as Glo Seal works for you 24/7 for continual leak detection and ongoing sealing

- Works with all popular refrigerants and oils
- Non-polymer, oil-soluble formula safe for system components and recovery equipment
- Remains safely in system to help protect against future leaks
- Can be injected with system off or running
- Use any 1/4" ball valve to purge lines before use (EL33021)



| Description | Part No. |
|----------------------------------|----------|
| Glo Seal, 1 x 15ml (SPE-EZDS-CS) | JAV-1175 |

| Dosage | Treats (cooling) |
|--------|------------------|
| 15ml | up to 12kW |



Injection







Inject dye with a turn of the handle.

JAV-1103

COOISEAI AC LEAK SEALANT - INJECTION



Seals micro leaks in condensers, evaporators, o-rings and hoses

- Can add years to older, out-of-warranty AC&R systems that leak small amounts of refrigerant
- Works with all popular refrigerants and oils
- Remains safely in system to help protect against future leaks

| Dosage | Treats (cooling) | |
|--------|------------------|--|
| 15ml | up to14kW | |
| 60 ml | up to 56kW | |



| Description | Part No. |
|--|----------|
| Cool Seal, 1 x 15ml (CS-1CS) | JAV-1103 |
| Cool Seal Kit (CS-100CS) | JAV-1106 |
| Kit includes: 2 x 15ml Cool Seal A/C leak sealer cartridges 1 x Injector assembly 1 x 20cm hose assembly with low-loss fitting & check valve | |

1 x R-410A adapter; service labels

Inline

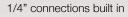
SPECTROLINE"







Charge inline with refrigerant





Add Cool Seal A/C Leak Sealer and refrigerant in one simple step.

- Works with all popular refrigerants and oils.
- Non-polymer, oil-soluble formula safe for system components and recovery equipment
- Remains safely in system to help protect against future leaks
- Can be injected with system off or running
- Use any 1/4" ball valve to purge lines before use. (EL33021 page 75).
- Requires bleed valves for injection.



| Description | Part No. |
|------------------------------|-------------------|
| Cool Seal, 1 x 15ml (CS-3CS) | JAV-1140 (CS-3CS) |

| Dosage | Treats (cooling) |
|--------|------------------|
| 15ml | up to 14kW |









JAV-1156 EZ-Ject Complete Kit



Inject dye with a turn of the handle.



FLUORESCENT DYE LEAK DETECTION - INJECTION



The revolutionary way to add fluorescent dyes into air conditioning and refrigeration systems – without the use of additional refrigerant, manifold and additional hoses. No pouring and no refrigerant required for injection.

- Spectroline dyes glow brighter than the competition
- One calibrated cartridge provides exact dosing for multiple systems
- Easily overcomes system pressure up to 450 psi (31 bar)



Description

Part No.

JAV-1156

Kit includes: 2 x 15ml EZ-Ject Universal/POE dye cartridge, 1 x Dye injector assembly, 1 x 20cm hose assembly with low-loss fitting & check valve, 1 x R-410A adapter; service labels, 1 x Violet light LED leak detection lamp, 1 x Fluorescenceenhancing glasses, 1 x 60ml Glo-Away Plus dye cleaner, 3 x Drip plugs; Service labels

EZ-Ject Kit (SPE-EZ100E-CS) JAV-1154

EZ-Ject Complete Kit (SPE-HVLEZE)

Kit includes: 2 x 15ml Universal/POE dye cartridge, 1 x Dye injector assembly, 1 x 20cm hose assembly with low-loss fitting & check valve

| Universal/POE dye cartridge (SPE-EZ5E-CS) | JAV-1155 |
|--|---------------|
| 20cm hose assembly with low-loss fitting & check valve | JAV-1210EZ-25 |
| Dye injector assembly | JAV-1211EZ-50 |

DosageTreats (lubricant / refrigerant)15mlup to 7.6L / Up to 11.3kg





JAV-1165 Glo-Stick Complete Kit





1/4" connections built in Charge inline with refrigerant

Glo-Stick® FLUORESCENT DYE LEAK DETECTION - INLINE



Convenient, mess-free, single-dose capsules. Add refrigerant and fluorescent dye in one simple step

- Spectroline dyes glow brighter than the competition
- Available in 4 sizes/concentrations to match the capacity of the system
- Inject dye while charging with refrigerant, or when connecting from the high side to the low side

| JAV-1161 (6 Pack JAV-1157 | JAV-1162 (6 Pack JAV-1158) | JAV-1163 (6 Pack JAV-1159) | | JAV-1164 (6 Pack JAV-1160) |
|---------------------------|----------------------------|----------------------------|--------|----------------------------|
| Description | | Part No. | 6 Pack | |

Glo-Stick Complete Kit (SPE-HVLGSE)

JAV-1165

Kit includes: 1 x Glo-Stick 1E, 2 x Glo-Stick 2E, 1 x Glo-Stick 3E 1 x 20cm hose assembly with low-loss fitting & check valve, 1 x Bleed valves; 1 x Purge capsule; 1 x R-410Å adapter, 1 x Violet light LED leak detection lamp, 1 x Fluorescence-enhancing glasses, 1 x 60ml Glo-Away Plus dye cleaner 3 x Drip plugs; Service labels

| Glo-Stick 101E (SPE-GS101E-CS) | JAV-1161 | JAV-1157 |
|--------------------------------|----------|----------|
| Glo-Stick 1E (SPE-GS1E-CS) | JAV-1162 | JAV-1158 |
| Glo-Stick 2E (SPE-GS2E-CS) | JAV-1163 | JAV-1159 |
| Glo-Stick 3E (SPE-GS3E-CS) | JAV-1164 | JAV-1160 |

| Part No | Cartridge Size | Treats (lubricant / refigerant) |
|----------|----------------|---------------------------------|
| JAV-1161 | 0.89ml | up to 445ml / 1.3kg |
| JAV-1162 | 15ml | 445ml – 1.5 l / 1.4 – 2.2kg |
| JAV-1163 | 15ml | 1.6 – 3 I / 2.3 – 4.5kg |
| JAV-1164 | 15ml | 3.1 – 7.6 I / 6 – 11.3kg |
| | | |







JAV-1169 BigEZ Complete Kit



Inject dye with a turn of the handle.

| BigEZ™ |
|--|
| FLUORESCENT DYE LEAK DETECTION - INJECTION |
| |



No pouring, no refrigerant, no spills - pre-filled BigEZ cartridges are clearly labelled with 32 or 64 calibrations so you'll introduce exactly the right amount of dye every time.

- Spectroline dyes glow brighter than the competition
- One calibrated cartridge provides exact dosing for multiple systems.
- Easily overcomes system pressure up to 200 psi (13.7 bar)





| Description | Part No. | 3 Pack |
|---|----------------|--------|
| BigEZ Complete Kit (SPE-HVLBEZE) | JAV-1169 | - |
| Kit includes: | | |
| 1 x 118ml BigEZ Universal/POE dye cartrid | dge | |
| 1 x Dye injector assembly | | |
| 1 x 20cm hose assembly with low-loss fitt | ing & check va | alve |
| 1 x R-410A adapter; service labels | | |
| 1 x Violet light LED leak detection lamp | | |
| 1 x Fluorescence-enhancing glasses | | |
| 1 x 60ml Glo-Away Plus dye cleaner | | |

3 x Drip plugs; Service labels

| BigEZ (SPE-BEZ5E-4CS) | JAV-1168 | JAV-1167 |
|----------------------------|----------|----------|
| BigEZ Kit (SPE-BEZ400E-CS) | JAV-1166 | _ |
| BigEZ Injector (BEZ50) | JAV-1120 | _ |

Information correct at time of going to press.

Treats (lubricant / refrigerant)

up to 61L / Up to 181kg

Dosage 118ml









Economical and powerful, cordless leak detection lamp. Reveals even the smallest refrigerant leaks! Universal/POE dyes only.

- Provides optimal fluorescent dye response and contrast
- Pre-focused beam optimizes fluorescent response
- Compact design easily gets into tight, cramped spaces
- Rugged, corrosion-resistance anodized lamp body stands up to years of heavy use
- Anti-roll cuff



| Description | Part No. |
|---|-----------------------|
| Violet light LED leak detection lamp (SPE-HVL-CS) | JAV-1176 (SPE-HVL-CS) |
| Kit includes: 1 x Violet Light LED Leak Detection Lar 3 x AAA batteries 1 x Fluorescence-enhancing glasses | mp |

NOTE: For most applications, our violet light lamp does not require fluorescence enhancing glasses.

| Sensitivity | up to 8m |
|-------------|-----------------------------|
| Power | x3 AAA batteries (included) |
| Run time | up to 5hrs |





Pour direct



JAV-1171 AR-Glo, 473ml

AR-Glo 5E®

POUR DIRECT INTO SYSTEM

AR-Glo bottled dyes can be poured directly into any AC&R system. Dye can remain safely in the system to confirm repairs and preform future preventive maintenance checks

- Universal/POE dye is compatible with ALL refrigerants & lubricants
- Fluoresces up to 10% brighter. Spectroline dyes glow brighter than the competition
- Improved Shelf Life Up to 5 years!
- Improved Stability More tolerant to extreme temperature range & moisture
- Environmentally Sound Natural safe raw materials, small carbon footprint
- Exclusive Formula From the inventors and most trusted name in fluorescent leak detection



| Description | Part No. |
|---|------------------------|
| AR-Glo, 473ml | JAV-1171 (SPE-AG5E-16) |
| AR-Glo, 60ml (SPE-AG5E-2P6) 6 x 60ml bottles | JAV-1170 |
| AR-Glo, 473ml (SPE-AG5E-16) 6 x 60ml bottles | JAV-1171 |

| Dosage | Treats (POE refrigerant oil) |
|--------|------------------------------|
| 473ml | up to 242L |

Water-Glo 802®

POUR DIRECT INTO SYSTEM



Find leaks fast in industrial sized water and water/glycol based fluid systems. Ideal for heat transfer fluid system applications, including boilers, chillers, geothermal heat pump systems and many more

- Highly concentrated dye that fluoresces green
- Works with any leak detection lamp
- Pinpoint leaks in piping, valves, condensers, seals, welds, & fittings
- Use as part of a diagnostic/preventive maintenance program



| Description | Part No. |
|---------------------------------|----------------------------|
| Water-Glo 802 (Water-Glo 802-P) | JAV-1137 (WATER-GLO 802-P) |

| Dosage | Treats (water) |
|--------|----------------|
| 473ml | up to 3,800L |

Injection





SPECTROLINE' S-M

Twice as concentrated as competitive solutions. Works with ALL refrigerants and lubricants (mineral oil, POE, PVE, and alkyl benzene lubricant).

- Compatible with semi-hermetic, hermetic and scroll compressors.
- Direct, reusable injector eliminates the need for an oil pump.



Description

Part No.

Acid Buster acid scavenging solution injection kit

Kit includes:

- 2 x 15ml Acid Buster acid scavenging solution cartridges 1 x Injector assembly
- 1 x 20 cm hose assembly with low-loss fitting & check valve
- 1 x R-410A adapter; service labels

Acid-Buster acid scavenging solution cartridge

JAV-1119 (AB-5CS)

JAV-1129 (AB-100CS)

SPECTROLINE

UV LEAK DETECTION



| Description | Part No. |
|---------------------------------|----------|
| 1 x 60ml Glo-Away Plus (128484) | JAV-1172 |
| Fluorescence enhancing glasses | JAV-1131 |
| Carrying Case (CC-130) | JAV-1121 |

Cleaner & spares

Treats (oil)

up to 946ml

GLO-AWAY PLUS

Dosage

15ml

Formulation that works to dissolve fluorescent dye from the leak site

- Requires less application & less time removing left over dye
- Concentrated! Stronger formula makes it easier to remove the toughest dye stains







Procharge 100

REFRIGERANT CHARGING SCALE

The Procharge 100 digital refrigerant charging scale is a welcome addition to JAVAC's range of refrigerant service tools. An upgrade on the current best selling Procharge unit.

- Ideal for air conditioning and refrigeration
- This unit is highly accurate with 5 gram resolution and an increased weighing capacity of 100kg. The compact platform is 223mm x 223mm, easily removed from the carry case for use, also featuring an easy to read LCD display
- This unit also includes a memory function, holding the last reading until cleared. Even when the unit automatically shuts down after 10 minutes of non use, the last reading is still stored in memory

| Description | Part No. |
|---------------|----------|
| Procharge 100 | G58610 |

| Туре | Digital |
|-----------------------|-------------|
| Weighing capacity | 100kg |
| Accuracy | +/- 0.5% |
| Resolution | 5 g |
| Power | 9 V battery |
| Battery life | 30 hours |
| Operating temperature | 10 – 40°C |
| Weight | 2.5kg |
| Dimensions | 250 x 250mm |
| | |

Information correct at time of going to press.





Hydrocarbon Scale

(INC. TWO HOSES AND BALL VALVE)

(1) JAVAC (1) (3) (42) (5) ⊕

- Large weighing platform and durable and sturdy injected molded components
- Back-lit LCD display
- High accuracy load cell
- Pass-through charging (moving the charge hose does not affect weight)
- Small diameter durable CLRF Series hoses included
- Charging valve included for precision charging
- Schrader valves included to prevent refrigerant loss/leaks
- Cylinder adapter with Secure Seal low-loss fitting included for inverted charging
- 2 charging orientation options: upright and inverted
- Velcro loop included for stabilizing the refrigerant canister (upright charging)
- Designed for R600a and R290
- Other charging methods are possible by using additional adapters for different canister types

| Capacity (g/oz) | 5000g/176oz |
|---------------------------------|---|
| Accurac (g/oz) | 1g / 0.1oz |
| Power Supply | Two AA batteries (included) |
| Dimensions I x w x h (mm/in) | 200.5 x 150 x 48mm (7.9 x 5.9 x 1.9") (200mm x 150mm x 48mm) |

DescriptionParHydrocarbon scalesDS-

Part No. DS-5000







Wey-TEK® REFRIGERANT CHARGING SCALE



The Wey-TEK is easy to use and its high accuracy load cell (10 gm) ensures exact readings no matter where the cylinder is on the weighing platform. This electronic scale handles a wide range of standard cylinders

- The precision and versatility make it ideal for charging or recovery of all refrigerants. Wey-Tek scales update with 110kg (10 gram accuracy)
- Simple controls with large LCD for easy viewing, even in direct sunlight
- High accuracy load cell won't allow drift
- Automatic and manual zeroing

| Туре | Digital |
|-----------------------|--|
| Weighing capacity | 110 kg (220 lbs) |
| Units | kg, lbs |
| Auto shut off | After 20 min |
| Accuracy | +/- 0.06% of reading, +/- 10 g |
| Resolution | 10 g |
| Power | Four "AA" batteries (included) in platform |
| Battery life | 60 hours |
| Operating temperature | 10 – 40°C |
| Weight (kg) | 4.6 kg |
| Dimensions (cm) | 32 x 28 mm (12.5" x 11") |
| Carry case | Hard plastic carry case |

| Description | Part No. | | |
|-------------|------------|--|--|
| Wey-TEK | 719-202-G1 | | |

Information correct at time of going to press.







719-715-G1

Wey-TEK HD®

REFRIGERANT CHARGING SCALE



The worlds first and most advanced Bluetooth enabled refrigerant scale. This large wireless platform communicates and displays data through your smartphone (optional hand piece available - see opposite). Offering Full F-Gas traceability for the low / high alarm settings and easy monitoring on the charge or recovery process

- A free downloadable app to your smartphone (compatible with IOS iPhone 4S and above and Android).
- The apps 'JOB LOG' feature keeps track and stores your data which can then be emailed or taken as a 'Snapshot'.

Optional hand piece which can be used in Lieu of smartphone via Bluetooth transmission.

• Large vivid colour display is easy to read, even in direct sunlight. Auto shut-off 20mins and screen dimming.

| Description | Part No. |
|--------------------------------|--------------|
| Wey-TEK | 719-202-G1 |
| Wey-tek HD wireless hand piece | 719-715-G1 |
| | 1.0.1.10.0.1 |

| Туре | Bluetooth Wireless |
|-----------------------|-------------------------------|
| Weighing capacity | 115 kg (253 lbs) |
| Units | lbs, kg, oz |
| Accuracy | +/- 0.06% of reading, +- 10 g |
| Resolution | 10 g |
| Power | 4 'AA' batteries (included) |
| Battery life | 80 hours continuous |
| Wireless range | 9 m |
| Operating temperature | 10 – 40°C |
| Weight | 3.6 kg |
| Dimensions | Platform size 32 x 28 cm |
| Carry case | Hard plastic carry case |
| | |







EL75172

R410A / R32

MANIFOLDS

🗘 JAVAC 🛈 🚇 🕏 🕀

- 1/4 turn control valves for fast operation and increased refrigerant flow
- Piston style valves to ensure perfect sealing
- 3 x 72" Continental R/Y/B hoses*.
- Forged aluminium body durable and lightweight
- 80mm gauge heads with rubber protection surround
- Long life rubber seals
- Anti-flutter pointers
- Robust carry case with laser cut foam protection and manual

| Product | Sight Glass | 1⁄4 turn | Piston Style | Hoses | Hard Case | Part No. |
|-------------|----------------|----------|-----------------|-------|--------------|----------|
| 4 Valve | 1 | 1 | - | 1 | 1 | EL75172 |
| 2 Valve | 1 | 1 | - | 1 | 1 | EL86372 |
| 2 Valve | - | - | 1 | 1 | 1 | EL66372 |
| 4 Valve | 1 | 1 | - | _ | - | EL75700 |
| 2 Valve | 1 | - | 1 | - | - | EL74400 |
| 2 Valve | - | - | 1 | - | - | EL66300 |
| R410A / R32 | | | | | | |



EL86372

| Hose Gaskets 1/4" & 5/16" | Part No. |
|---|----------|
| Hose Rubber Gaskets 1/4" (10 pack) | EL200-10 |
| Hose Rubber Gaskets 5/16" R410A / R32 (10 pack) | EL220-10 |

Information correct at time of going to press.

All in one box







EL5372

EL84372



All in one box

Multi Gas R134A, R22, R404A, R407C MANIFOLDS

- 1/4 turn control valves for fast operation and increased refrigerant flow
- Piston style valves to ensure perfect sealing
- 3 x 72" Continental R/Y/B hoses*.
- Forged aluminium body durable and lightweight
- 80mm gauge heads with rubber protection surround
- Long life rubber seals
- Anti-flutter pointers
- Robust carry case with laser cut foam protection and manual

| Product | Sight Glass | 1⁄4 turn | Piston Style | Hoses | Hard Case | Part No. |
|--------------------------|----------------|----------|-----------------|-------|--------------|----------|
| 4 Valve | 1 | 1 | - | 1 | 1 | EL75372 |
| 2 Valve | 1 | 1 | - | 1 | 1 | EL84372 |
| 2 Valve | - | - | 1 | 1 | 1 | EL64372 |
| 4 Valve | 1 | 1 | - | _ | - | EL75300 |
| 2 Valve | 1 | - | 1 | _ | - | EL74300 |
| R134A, R22, R404A, R407C | | | | | | |







EL54516

EL54511

80mm HP / LP Pressure gauges

REPLACEMENT GAUGES



- Anti-flutter pointer
- Class 1 (1% accuracy)
- All internal pieces are made of brass no plastic
- BAR & PSI

| Description | Part No. |
|-------------------------------------|----------|
| LP gauge – R22, R134A, R407C, R404A | EL54511 |
| HP gauge – R22, R134A, R407C, R404A | EL54516 |
| LP gauge – R410A / R32 | EL56511 |
| HP gauge – R410A / R32 | EL56516 |





Supahose stainless steel refrigerant hose

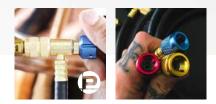


- Flexible PTFE lining surrounded by a braided stainless steel wire
- Maximum working pressure of 260 bar
- Temperature Range: up to +260 °C
- 1/4" SAE Connection

| Length | Part No. |
|---------------|----------|
| 12" (30,5cm) | 120404 |
| 15" (38cm) | 150404 |
| 18" (46cm) | 180404 |
| 24" (61cm) | 240404 |
| 30" (76cm) | 300404 |
| 36" (91,5cm) | 360404 |
| 48" (122cm) | 480404 |
| 60" (152,5cm) | 600404 |
| 78" (198cm) | 780404 |







Safety Swivel One-touch design

Safe Seal

Patented Safe Seal technology: 'One-Touch' design allows you to screw the fitting on to the system before starting refrigerant flow, avoiding refrigerant loss and risk of 'refrigerant burn'. Then simply turn the knob to start/stop flow.

- 72" hose (183cm), Suitable for standard refrigerants.
- The safety swivel sleeve allows free rotational movement of the hose without the fitting coming loose being put under unnecessary strain and preventing unwanted leaks

| Description | Part No. |
|---|----------|
| Charging Hoses, Safe Seal, 1/4", Working Pressure: 600/3000 PSI (41 bar) Bursting pressure of 3000 psi (207 bar) | JAV-1071 |
| R410A/R32 Charging Hoses, Safe Seal, 1/4" x 5/16", Working Pressure: 800/4000 PSI (55 bar). Bursting pressure of 4000 psi (276 bar) | JAV-1072 |
| | |
| Safa Saal Hasa Gaakata | Part No |

| Safe Seal Hose Gaskets | Part No. |
|--|----------|
| Safe Seal Gasket Manifold End 1/4" (10 pack) | JAV-1374 |
| Safe Seal Gasket Serve End 5/16 x 1/4" (10 pack) | JAV-1276 |
| Safe Seal O-ring for 5/16" | JAV-1355 |
| Safe Seal O-ring for 1/4" | JAV-1354 |









- Large bore vacuum and charging hose
- Designed specifically to increase speed, flow and efficiency when using vacuum pumps and refrigerant charging via the 3/8th access fittings
- Available in 60" (1525mm) and 72" (1828.8mm) lengths
- Connections: 3/8" x 3/8" and 3/8" x 1/4"
- Teflon sealed
- Used for all vacuum and refrigerant charging procedures

| Max working pressure | 55 Bar |
|----------------------|---------|
| Burst Pressure | 275 Bar |
| Core depressor | No |
| Ball valve | No |
| Colour | Black |

| Length | Part No. |
|---------------------------|----------|
| 72" 3/8 Vacuum Hose | JAV-1362 |
| 60" 3/8 Vacuum Hose | JAV-1363 |
| 72" 3/8 x 1/4 Vacuum Hose | JAV-1364 |
| 60" 3/8 x 1/4 Vacuum Hose | JAV-1365 |

| NEW! Gaskets | Part No. |
|--|----------|
| JAVAC Edge Teflon Gaskets 3/8" T Flow (10 pack) | JAV-1374 |

Information correct at time of going to press.



JAV-1375

Hose Sets

NO BALL VALVE, STANDARD & SET BACK

JAVAC 🛈 🕏

• Red/Yellow/Blue

• Temperature rating -30 to +95





Burst pressure rating / Part No. Length / Type / Connections No Ball Valve Ball Valve Set Back Standard Ball Valve Max working pressure Bar JAV-1375 72" hose set 1/4" x 1/4" 1 JAV-1376 60" hose set 1/4" x 1/4" 1 3000 PSI/206 / 600 PSI/41 _ JAV-1377 36" hose set 1/4" x 1/4" 1 JAV-1378 72" hose set R410a 1/4" x 5/16" 1 JAV-1379 60" hose set R410a 1/4" x 5/16" 1 4000 PSI/275 / 800 PSI/55 JAV-1380 36" hose set R410a 1/4" x 5/16" 1 JAV-1381 72" hose set 1/4" x 1/4" 1 JAV-1382 60" hose set 1/4" x 1/4" 1 3000 PSI/206 / 600 PSI/41 _ JAV-1383 36" hose set 1/4" x 1/4" 1 ./ JAV-1384 72" hose set R410a 1/4" x 5/16" 4000 PSI/275 / 800 PSI/55 JAV-1385 60" hose set R410a 1/4" x 5/16" 1 JAV-1386 36" hose set R410a 1/4" x 5/16" JAV-1387 72" hose set 1/4" x 1/4" 1 JAV-1388 60" hose set 1/4" x 1/4" 1 3000 PSI/206 / 600 PSI/41 1 JAV-1389 36" hose set 1/4" x 1/4" 1 JAV-1390 72" hose set R410a 1/4" x 5/16" 1 JAV-1391 60" hose set R410a 1/4" x 5/16" 4000 PSI/275 / 800 PSI/55 JAV-1392 36" hose set R410a 1/4" x 5/16"

JAV-1366 Teflon gaskets for 1/4" & 5/16" Pack of 10

Gasket picker () JAVAC () 🕏



Information correct at time of going to press



Hose sets



R410A / R32 Hose set 60" (x3)

- High quality lines. Suitable for R410A / R32
- Working pressure 60 BAR / 870 PSI. 1/4 x 5/16th connector

Single charging line 1/4", (x1)

- High quality lines
- Suitable for standard refrigerants
- Working pressure 60 BAR. 870 PSI





 Product
 Length

 1/2"- 20UNF
 1/4 x 5/16"

 1/2"-20UNF
 1/4 x 5/16"

 1/2-20 UNF
 1/4 x 5/16"

Fitting 5/16" x 1/4" Ball valve Ball valve set back Standard Ball Valve

 Part No.

 Ball valve
 9884095

 back
 4666522

 I Valve
 4682519

| | | | Part No. | |
|---------|---------------|---------|----------|---------|
| Product | Length | Blue | Red | Yellow |
| CL-6 | 6" (15 cm) | 9881256 | 9881265 | 9881274 |
| CL-12 | 12" (30 cm) | 9881255 | 9881264 | 9881273 |
| CL-24 | 24" (60 cm) | 9881254 | 9881263 | 9881272 |
| CL-36 | 36" (90 cm) | 9881253 | 9881262 | 9881271 |
| CL-48 | 48" (120 cm) | 9881252 | 9881261 | 9881270 |
| CL-60 | 60" (150 cm) | 9881251 | 9881260 | 9881269 |
| CL-72 | 72" (180 cm) | 9881250 | 9881259 | 9881268 |
| CL-120 | 120" (300 cm) | 9881249 | 9881258 | 9881267 |
| CL-144 | 144" (365 cm) | 9881247 | 9881257 | 9881266 |
| CL-200 | 200" (500 cm) | 9883279 | 9883280 | 9883281 |
| | | | | |

Charging Line set 1/4" (x3)

- High quality lines
- Suitable for standard refrigerants
- Working pressure 60 BAR. 870 PSI



| Product | Length | Qty per pack | Part No. |
|---------|--------------|--------------|----------|
| CCL-36 | 36" (90 cm) | 3 | 9881278 |
| CCL-48 | 48" (120 cm) | 3 | 9881277 |
| CCL-60 | 60" (150 cm) | 3 | 9881276 |
| CCL-72 | 72" (180 cm) | 3 | 9881275 |

Hose Gaskets



EL200-10, EL220-10

| Description | Qty per pack | Part No. |
|---------------------------------------|--------------|----------|
| Hose Rubber Gaskets 1/4" | 10 | EL200-10 |
| Hose Rubber Gaskets 5/16" R410A / R32 | 10 | EL220-10 |
| Hose Teflon [®] Gaskets | 10 | 9880871 |

9880871



TurboFlow Vacuum and Charging Kit

VETO + JAVAC EDGE ALL IN ONE BAG



This complete charging and evacuation kit, is designed to handle all high-pressure referigerants and not to collapse or permeate under vacuum pressure.

- Truly universal to work with any vacuum pump with a 3/8" connection
- All products are vacuum rated so no leaks can occur when in ultimate vacuum
- All products are restriction free for complete TurboFlow state
- Significantly reduce evacuation times compared to a set up with a manifold and ¼" hoses
- Can be used on all standard refrigerants to efficiently and quickly charge HVAC systems
- All items available available to buy seperately

| Description | Part No. |
|-----------------------------------|----------|
| TurboFlow Vacuum and Charging Kit | JAV-1422 |

Kit includes: 2 x JAV-1364 TurboFlow 3/8" FL to ¼" FL black vacuum and charging hoses; 2 x EL41550 TurboFlow JAVAC core removal tools ¼" as standard with 5/16" adaptor; 1 x JAV-1415 JAVAC Edge Veloci-Tee 3/8" Vacuum and Charge Tee; 3/8"MF on the run; 1 x AX3685 Veto Pro Pac Hose Hauler bag

| Hose Hauler Bag (AX3685) specifications | | | |
|---|---|--|--|
| Size mm – w/d/h | 430x130x430 | | |
| Weight (empty) | 1.8kg | | |
| Storage/pockets | 6 x pockets;1 x removeable parts/gauges bag | | |
| Max. Payload | 7kg | | |
| Internal volume | 50.5L | | |







Veloci-Tee 3/8"

VACUUM & CHARGING T VALVE



Veloci-Tee is universal to work with any vacuum pump with a 3/8" connection, and is vacuum rated so no leaks. The restriction free design of the ports means a significant reduction in evacuation times compares with traditional methods. Compatible with all standard refrigerants bringing extra speed and efficiency.

| Description | Part No. |
|-----------------|----------|
| Veloci-Tee 3/8" | JAV-1415 |



JAV-1025

Tube Expander Set

DIAVAC 1 & PRESIDENTED

- Patented 1/4" / 6mm Expander Head makes small to large pipework joining installations a breeze
- Hard plastic carry case
- Hard drawn copper must be heated/annealed

| Ð |
|---|
| |



1/4" / 6mm Expander Head*

Expander Heads Only

| Sizes | Part No. | Sizes | Part No. |
|--------|----------|-------|----------|
| 1/4" | JAV-1081 | 6mm | JAV-1188 |
| 1/2" | JAV-1080 | 8mm | JAV-1189 |
| 3/4" | JAV-1082 | 10mm | JAV-1190 |
| 3/8" | JAV-1083 | 12mm | JAV-1191 |
| 5/8" | JAV-1084 | 15mm | JAV-1192 |
| 7/8" | JAV-1085 | 16mm | JAV-1193 |
| 1" | JAV-1088 | 18mm | JAV-1194 |
| 1-1/8" | JAV-1086 | 22mm | JAV-1195 |
| 1-3/8" | JAV-1054 | 25mm | JAV-1196 |
| 1-5/8" | JAV-1055 | 28mm | JAV-1197 |
| | | | |

| Sizes | Part No. |
|--|----------|
| 8 Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8" | JAV-1025 |
| 8 Sizes: 6, 8, 10, 12, 15, 16, 18, 22mm | JAV-1187 |

Information correct at time of going to press.





MULTI SIZE

- Patented 90° Indicator feature so you know when the tube has accurately reached a perfect 90° bend
- Complete with Reversing Adaptors to bend pipe in all directions with ease perfect for awkWard spaces
- 7 x mandrel sizes; 1 x Reverse bending attachment
- Hard plastic carry case
- For use on soft drawn copper only







90° Indicator

Reverse bending adaptor

| Sizes | Part No. |
|---|----------|
| 7 Sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8" | JAV-1021 |
| 7 Sizes: 6, 8, 10, 12, 15, 18, 22mm | JAV-1183 |

Spares

| • | | | |
|---------------|----------|---------|----------|
| Counterformer | Part No. | Mandrel | Part No. |
| 1/4 - 3/8" | JAV-9001 | 1/4" | JAV-1143 |
| 1/2 - 7/8" | JAV-9002 | 5/16" | JAV-1144 |
| | | 3/8" | JAV-1145 |
| | | 1/2" | JAV-1146 |
| | | 5/8" | JAV-1147 |
| | | 3/4" | JAV-1148 |
| | | 7/8" | JAV-1149 |



Tube Benders MULTI SIZE

JAV-1016 3/8"

• Patented Dual Hinge Design – resets the handle position for extra leverage, making the second bend to 180° so simple.

300.15%

• For use on soft drawn copper only



JAV-1019 3/4"



| Sizes OD | Part No. | Sizes OD | Part No. |
|----------|----------|----------|----------|
| 3/8" | JAV-1016 | 10mm | JAV-1177 |
| 1/2" | JAV-1017 | 12mm | JAV-1178 |
| 5/8" | JAV-1018 | 15mm | JAV-1179 |
| 3/4" | JAV-1019 | 16mm | JAV-1180 |
| 7/8" | JAV-1020 | 18mm | JAV-1181 |
| | | 22mm | JAV-1182 |

PATEN



Tube Straightener

- Accurately straightens light wall tube from coil
- Straighten what you need less material wastage
- Accelerated flow for better efficiencies from straighterpipe
- Rollers spiral along the tube to straighten and strengthen the tube
- Create radius tube bends using the central hole
- For use on soft drawn copper only

| Sizes O.D. | Part No. |
|------------|-----------|
| 1/4" | JAV-TST14 |
| 3/8" | JAV-TST38 |
| 1/2" | JAV-TST12 |
| 5/8" | JAV-TST58 |
| 6mm | JAV-1035 |
| 10mm | JAV-1036 |







Tube positioning plate

Eccentric Flaring Tool

Avoid leaks, make the perfect flare the easiest way with the Tube Positioning Plate – the plate ensures the tube is set at the correct position

• Hard plastic carry case

| Sizes | Part No. |
|---|----------|
| 7 Sizes: 3/16" 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" | JAV-1024 |
| 7 Sizes: 6, 8, 10, 12, 15, 16, 18mm | JAV-1185 |

Flare Size Gauge

Designed to measure all flares to offer 100% seal tightness against all flare fittings, a must for every toolbox.

| Description | Part No. |
|------------------|----------|
| Flare Size Gauge | JAV-1022 |









2-in-1 Flaring & Swaging Tool

An easy to use 2-in-1 one design that can be used to flare or swage. Perfect flaring and swaging, less to carry with extra room in the van for more tools!

- Diamond Flaring Cone deburrs and polishes during the flaring process creating an exceptional finished surface, meaning less time deburring
- Patented Diamond Flaring Cone has a unique 'square edge fitting' so when attached the cone is allowed to spin as you turn the handle. Creating a perfectly smooth finish
- Indexing Mechanism Provides accurate alignment when switching between different hole positions on the flaring bar.
- Tube Positioning Plate ensures the tube is set at the correct position for all sizes
- Hard plastic carry case.
- Hard drawn copper must be heated prior to use.

| Sizes | Part No. |
|---|----------|
| 6 Sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" | JAV-1023 |
| 7 Sizes: 6, 8, 10, 12, 15, 16, 18mm | JAV-1184 |





Tube positioning plate

Dual Clutch Eccentric Flaring Tool

Dual clutch design. Clutch releases when the flare is complete to prevent over compression

- Drill powered or manual
- Lightweight aluminium body and superior steel core

| Sizes | Part No. |
|---|----------|
| 7 Sizes: 3/16" 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" | JAV-1034 |





Left to right: JAV-1010, JAV-1015, JAV-1013, JAV-1012, JAV-1014 Cuts stainless steel up to 3mm thick. Heavy duty with 6 ball bearing rollers JAV-1011 Ratchet tube cutter set (includes JAV-1010 tube cutter), JAV-1009

Tube Cutters



Smart spring design

JAV-1011: 2-in-1

All our JAVAC EDGE tube cutters feature:

- Titanium plated blade
- Patented Smart Spring Design
- Automatic Cutting. The spring pressure advances the blade when cutting, so there is no need to re-tighten the cutter

| Size | Tube Cutter | Replacement blades (packs of 2) |
|--------------|-------------|---------------------------------|
| 1/8 – 5/8" | JAV-1009 | JAV-1008 |
| 1/8 – 7/8" | JAV-1010 | |
| 1/8 – 7/8", | JAV-1011 | JAV-1001 |
| 1/8 – 1-1/4" | JAV-1012 | |
| 1/8 – 1-5/8" | JAV-1013 | JAV-1005 |
| 1/4 – 1-1/4" | JAV-1014 | JAV-1006 |
| 3/8 – 2-5-8" | JAV-1015 | JAV-1003 |



Replacement blades





Digital Torque Wrench

• Adjustable head

- Digital torque value readout
- +/- 2% accuracy
- CW and CCW operation
- Peak hold and track mode selectable
- Buzzer and LED indicator for the 9 pre-settable target torques
- Water contact indicator
- Engineering units (N-m, ft-lb, in-lb, kg-cm) selectable
- 50 or 250 data memory for recall and joint torque auditing
- Auto Sleep after about 5 minutes idle
- Compatible with rechargable batteries

| Accuracy *1 | BN | BR |
|---------------------------------------|--------------------------|-------------|
| | CW : ±2% CCW : ±3% | |
| Data memory size | 50 | 250 |
| PC Connectivity *2 | No | No |
| Pre-Setting No. | 9 sets | |
| Bright LED | 6 LEDs (1 Red + 5 Gre | en) |
| Operation Mode | Peak hold/Trac | k |
| Unit Selection | N-m, in-lb, ft-lb | , kg-cm |
| Head Type | Adjustable wre | ench head |
| Gear Teeth | 52 | |
| Size of Head of End Fitting (WxH) | 9 x 12mm | |
| Axial Distance | 17.5mm | |
| Button | 5 | |
| Battery *3 | AAA x 2 | |
| Operating Temperature | -10°C ~ 60°C | |
| Storage Temperature | -20°C ~ 70°C | |
| Humidity | Up to 90% nor | -condensing |
| Drop Test | 1m | |
| Vibration Test *4 | 10G | |
| Environmental test *5 | Pass | |
| Electromagnetic compatibility test *6 | Pass | |

| Part | No. | Square | e Drive | Max. Torque | |
|------|-------|-----------------|---------|---------------------------------------|---------|
| JAV- | 1356 | 3/8" | | 85 N-m / 62.7 ft-lb / 752 867kg-cm | in-lb / |
| | | | | | |
| Accu | iracy | | Torque | Measuring Range (N-m) | Length |
| В | | 6-CW / 6-CCW | 4.2~85 | | 270mm |





HYDRA-XP9 Hydraulic Expander

- Single-handed operation
- Compact design permits working in hard to access areas
- Laser-engraved expander heads are easy and quick to identify and attach
- De-burring tool included in the kit
- Angled and ergonomic design requires less effort
- 9 Heads 1/4", 3/8", 1/2", 5/8", 3/4", 7/8",
- 1 & 1/8", 1 & 3/8" & 1 & 5/8"
- Spare heads available

| Description | Part No. |
|------------------------------|----------|
| HYDRA-XP9 Hydraulic Expander | JAV-1405 |

Kit includes:

1 x Hydraulic Expander Tool, *1 x* Deburring Tool, *1 ecah of* 9 Heads – 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1 & 1/8", 1 & 3/8" & 1 & 5/8"

Spare heads

| Sizes | Part No. | Sizes | Part No. |
|-------|----------|--------|----------|
| 1/4" | JAV-1406 | 7/8" | JAV-1411 |
| 3/8" | JAV-1407 | 1 1/8" | JAV-1412 |
| 1/2" | JAV-1408 | 1 3/8" | JAV-1413 |
| 5/8" | JAV-1409 | 1 5/8" | JAV-1414 |
| 3/4" | JAV-1410 | | |







Expander set

⊕ JAVAC ① 🕏

Heavy duty expander with 6 interchangeable expander heads -3/8 - 1 1/8

- Includes Inner / Outer Reamer
- Designed to expand tubing for fast accurate joints in soft copper, aluminium and soft steel
- Hard steel carry case

Expander heads spares

- Free floating and self centering
- Fits with the JAVAC Tube Expander Set JAV-1000B



| Description | Part No. |
|--------------|-----------|
| Expander Set | JAV-1000B |

| Sizes | Part No. | Sizes | Part No. |
|-------|-------------|--------|--------------|
| 3/8" | JAV-1000-38 | 7/8" | JAV-1000-78 |
| 1/2" | JAV-1000-12 | 1 1/8" | JAV-1000-118 |
| 5/8" | JAV-1000-58 | 1 3/8" | JAV-1000-138 |
| 3/4" | JAV-1000-34 | 1 5/8" | JAV-1000-158 |

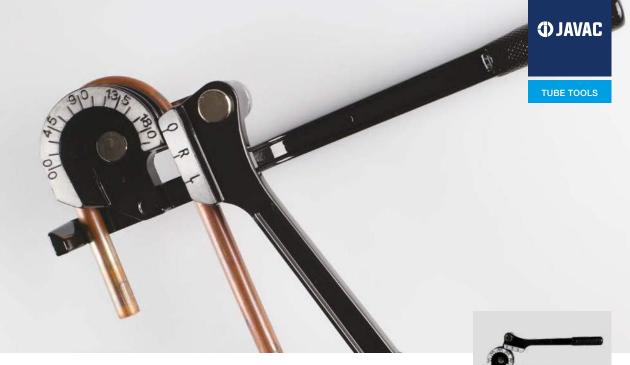
1/4 – 1 5/8" inside / outside reamer

① JAVAC ① 贫



| Description | Part No. |
|----------------|----------|
| Deburring Tool | CT-209 |
| | |

Information correct at time of going to press



JTB-3

3-in-1 Tube Benders

① JAVAC ① 贫

• To bend 1/4", 5/16", 3/8" O.D. tubing

| Size O.D. | Part No. |
|-----------|----------|
| 5/16" 90° | JTB-368 |
| 3/8" 180° | JTB-666 |

Tube Benders

) JAVAC 🛈 🕏



| Sizes | Part No. | Sizes | Part No. |
|-------|------------|-------|------------|
| 1/4" | JTB-364-04 | 1/2" | JTB-364-08 |
| 5/16" | JTB-364-05 | 5/8" | JTB-364-10 |
| 3/8" | JTB-364-06 | 3/4" | JTB-364-12 |

Spring Type Tube Benders

① JAVAC ① 贫



| Sizes | Part No. | Sizes | Part No. | |
|-------|----------|-------|----------|--|
| 1/4" | 102-F-04 | 5/8" | 102-F-10 | |
| 3/8" | 102-F-06 | 3/4" | 102-F-12 | |
| 1/2" | 102-F-08 | | | |





Hydraulic Tube Bender

① JAVAC ① 兌

() JAVAC

TUBE TOOLS

- One handed operation to precisely bend soft drawn copper pipe
- Formers included: 3/8, 1/2, 5/8, 3/4 7/8"
- Quick release mechanism allows for an easy release of the copper tube to switch to the next bend
- Includes Inner / Outer Reamer and 1/4" 1 1/8" tube cutter
- Hard plastic carry case

| Description | Part No. |
|-----------------------|----------|
| Hydraulic Tube Bender | HB-85 |

Crossbow Bender

① JAVAC ① 贫

- One handed operation to precisely bend soft drawn copper pipe
- Formers included: 3/8, 1/2, 5/8, 3/4 7/8"
- Quick release mechanism allows for an easy release of the copper tube to switch to the next bend
- Includes Inner / Outer Reamer and 1/4" 1 1/8" tube cutter
- Hard plastic carry case



| Description | Part No. |
|-----------------|-----------|
| Crossbow Bender | JAV-404-L |



() JAVAC





Flaring & Swaging Kit

⊕ JAVAC ① 🕏

- Forged high quality steel for use with copper tube
- Flaring & Swaging 1/8"- 3/4"
- Tool flaring adaptors and 3/16"- 3/4" swaging adaptors
- Hard plastic carry case

| Description | Part No. |
|-----------------------|-----------|
| Flaring & Swaging Kit | JAV-275-K |
| | |

Eccentric Flaring Tool

() JAVAC (1) 🕏

Ratchet type flaring tool with an eccentric flaring cone providing a smooth finish on all flares

- Highly recommended for joints on high pressure systems (R410A)
- Accurate Flaring
- 1/4" 3/4" eccentric flaring kit
- Hard plastic carry case



| Description | Part No. |
|------------------------|----------|
| Eccentric Flaring Tool | JAV-806B |

Deburring Tool

⊕ JAVAC ① 🕏

Description Deburring Tool

....

Part No. JAV-1087





Oxy-acetylene brazing & welding tool kit



Decsription

Part No.

Oxy-acetylene brazing & welding tool kit F23220001

Kit includes:

Oxygen Regulator x 1, Acetylene Regulator x 1, Brazing Torch and Mixer x 1, Pair of 5 m Hoses x 1, Flip Up Brazing Goggles x 1 Lightweight Nozzles (Assorted Sizes) x 1, Pistol Grip Spark Lighter x 1, Cylinder Spanner x 1, Multi Head Spanner x 1 Nozzle Cleaning Set x 1, Pair Of Flashback Arrestors x 1

Pistol Grip Spark Lighter



Multi head spanner



Nozzle Cleaning Set

Information correct at time of going to press.

JAVAC

BRAZING & WELDING EQUIPMENT





0783650

Single stage oxygen & acetylene regulators **BRAZING KIT SPARES**

① JAVAC ① 兌

- 63mm pattern gauges
- Bottom entry built to BS EN ISO 2503

| Decsription | Part No. |
|---------------------|----------|
| Oxygen regulator | 0783640 |
| Acetylene regulator | 0783650 |

Oxygen and acetylene flashback arrestors

BRAZING KIT SPARES

JAVAC 1 🕏

- FA sintered flame arresting element,
- NV non return valve
- TV thermal trip device



| Decsription | Part No. |
|------------------------------|----------|
| Oxygen flashback arrestor | 50920 |
| Acetylene flashback arrestor | 50921 |



Lightwieght nozzles

Brazing Kit Spares

) JAVAC 🛈 🕏



L/WT SHANK AND MIXER FOR OXYGEN AND ACETYLENE

| Product | Part No. |
|------------|----------|
| L/WT Shank | 81222 |
| Mixer | 81025 |
| | |



OXYGEN & ACETYLENE 5 & 10 METRE HOSES

| Product | Part No. |
|---------------------|----------|
| 5 m Oxygen hose | 841065 |
| 5 m Acetylene hose | 849065 |
| 10 m Oxygen hose | 841069M |
| 10 m Acetylene hose | 849069M |



CYLINDER BOTTLE SPANNER

Part No. 9431290

L/WT NOZZLES

| Product | Part No. |
|---------|----------|
| No 7 | 62407 |
| No 10 | 62410 |
| No 13 | 62413 |
| No 18 | 62418 |



SPARK LIGHTERS

ProductPart No.Cup spark lighter54800003001BPPistol grip lighter9430830-1PC



NOZZLE CLEANING KIT

Part No. 9430860

Information correct at time of going to press.



Flexi Torch BRAZING & WELDING TORCH

() JAVAC (1) 🕏

- Trigger start ignition
- Flexible 205mm stainless steel burner tube
- Access hard to reach places
- Tube stays cool throughout use
- Swirl flame
- For use with MAPP & Propane
- 800 1300°C



| Description | Part No. |
|-------------|----------|
| Flexi Torch | JAV-1004 |
| | |



Fusion Dual

BRAZING & WELDING TORCH

) JAVAC 🛈 🕏

- Stainless steel nozzle
- Manual ignition
- Double barrel
- Variable control swirl flame
- For use with MAPP & Propane Gas
- High temperature, faster brazing
- 360° Swivel Tip

| Description | Part No. |
|-------------|----------|
| Fusion Dual | FD-2 |

Bottle Trolley

● JAVAC ①



| Description | Part No. |
|--|----------|
| Oxygen and Acetylene Bottle Trolley 5 & 10L | 9431380 |



Olympus Brazing & Welding Torch

① JAVAC ① 贫

- Stainless steel nozzle
- Auto ignition
- Variable flame control
- 360° swivel tip
- For use with MAPP and Propane gas

| Description | Part No. |
|-------------|----------|
| Olympus | OLY2 |

S2 Brazing Rods

) JAVAC 🛈 🕏

- Premium grade S2 self-fluxing solder copper phosphorus alloy brazing rods
- Suitability copper-copper and high copper content alloys
- Melting range Solidus 645°C, Liquidus 850°C
- 1kg Pack. 500mm long. Made in the UK











Heat Shield

) JAVAC 🛈 🕏

A reusable putty designed to protect sensitive parts from heat damage during brazing, soldering and welding. No more need or messy wet rags!

- Apply, remove and reuse up to 40 times!
- Handy colour changing putty shows you when you need to replace the pot.

| Description | Part No. |
|--------------------------------------|----------|
| Box of 12 | JAV-1002 |
| Each tub: net weight 325g, 92 x 67mm | |



Maxy Flame Kit

OXYGEN/MAXY GAS WELDING & BRAZING KIT

- Twin cartridge capacity for Maxy gas bottles.
- Extended handle for ease of transportation.
- Significantly lighter than a standard Oxy/Acetylene kit.
- Extended 5m hose set included.
- Adaptable trolley to support mid size nitrogen bottle.
- No rental charges on Maxy Gas cartridges.

| Description | Part No. |
|----------------|----------|
| Maxy Flame Kit | JAV-1264 |

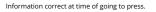
Kit includes:

1 x Trolley, 1 x Shank, 1 x 100 L/h Lance, 1 x 315 L/h Lance 1 x Oxy Flashback Arrestor, 1 x Maxy Flashback Arrestor, 2 x 5m Hose, 1 x Oxy Regulator, 1 x Maxy Gas Regulator, 1 x Accessory Tub, 1 x Goggles, 1 x Igniter

MAXY GAS CARTRIDGE Part no. S050011*

Maxy Flame Kit is only for use with the Maxy Gas cartridge. *Sold separately by Advanced, visit aspenpumps.com









Nitrogen Regulator 50 Bar (OFN)

- 300 bar maximum inlet pressure.
- 0 50 bar (0 750 psi) outlet pressure range.
- Suitable for testing systems using R410A and all standard refrigerants, in accordance with BS EN 378.
- 1/4" SAE flare outlet connection to allow for rapid connection to industry standard hoses.
- Large pressure adjustment knob to allow for easy pressure adjustment.

| Description | Part No. |
|---------------------------------|----------|
| Nitrogen Regulator 50 Bar (OFN) | RS-750 |
| | |

| Max. inlet pressure | 300 bar |
|-----------------------|------------------------------|
| Outlet pressure range | 0 - 50 bar (0 - 750 psi) |
| Connector type | 1/4" outlet flare connection |

Information correct at time of going to press.





RS-750-RIG Model may vary from picture shown

Nitrogen Rig pressure testing rig with isolation valve and gauge

A complete testing rig specifically designed for high pressure testing in HVAC/R systems using R410A.

- Designed for testing refrigeration systems that use R410A (in accordance with BS EN 378).
- 1/4" SAE flare outlet connection to allow for rapid connection to industry standard hoses.
- Safety relief valve to prevent regulator over-pressurisation.
- Robust rig that is ideally suited to the rigours of daily use.

| Description | Part No. |
|-------------------------------|------------------------------|
| Nitrogen Pressure Testing Rig | RS-750-RIG |
| | |
| Max. inlet pressure | 300 bar |
| Outlet pressure range | 0 - 50 bar (0 - 750 psi) |
| Connector type | 1/4" outlet flare connection |







PVR Nitrogen Pressure

AND VACUUM MANIFOLD SET

() JAVAC (1) 🕏

2-in-1 Nitrogen pressure and vacuum testing manifold

- The PVR is designed for use with oxygen free nitrogen (OFN) only
- Separate valves for pressure and vacuum testing procedures
- The PVR speeds up the process of pressure and vacuum testing
- Designed to handle high pressures involved in pressure testing R410A systems
- Both gauges on the PVR are equipped with a set point indicator to monitor for pressure or vacuum losses
- The PVR has a built in vent valve for safe de-pressurisation of systems
- A 3/8" vacuum hose adaptor is included for larger systems DO NOT use for refrigerant charging

Nitrogen cylinder trolley の JAVAC ① 会



DescriptionPart No.PVR nitrogen pressurePVR SET

Kit includes:

1 x PVR Manifold, 2 x Stainless Steel braided, 1/4" connection hoses, 1 x 72" Yellow vacuum hose, 1 x 1/4" x 5/16" adaptor to suit R410A systems, 1 x 1/4" x 3/8" vacuum hose adaptor, 1 x Manifold hook for easy use, 1 x Instruction Manual, 1 x Hard plastic carry case

| Description | Part No. |
|---------------------------|----------|
| Nitrogen cylinder trolley | NIT02 |

*Gas bottle not included

10 Bar (OFN) nitrogen regulator

- Forge Brass Body. Internal Safety Valve
- 63mm Dual Scale Safety Pressure Gauges
- Captive Pressure Adjusting Screw
- Single stage regulators
- Built to the latest BS EN ISO 2503 standards to provide maximum accuracy and safety

| Description | Part No. |
|---------------------------------|----------|
| 10 Bar (OFN) nitrogen regulator | RS-150 |
| | |

Max. outlet pressure

10 bar, SAE connection

Information correct at time of going to press.





CO2 liquid / vapour charging rig

① JAVAC ① 銥

A complete CO2 trans critical charging rig

- Including: 300 bar maximum inlet pressure
- Liquid CO2 Charging connector
- ¼" 2m High Pressure hose
- 1/4" SAE female flare outlet, for direct connection to system
- Direct connection to CO2 cylinder

| Description | Part No. |
|----------------------------------|--------------|
| CO2 liquid / vapour charging rig | JAV-2000-144 |

Kit includes:

1 x PVR Manifold, 2 x Stainless Steel 1 x 2m CO2 hose, 2 x anti-whip cables, 1 x shut-off ball valve with CO2 bottle connector

CO2 sub and trans critical manifolds

① JAVAC ① 兌

- 2 or 4 valve manifolds with 80mm diameter oil filled gauges
- Sub: LP -1 to +30 Bar, HP -1 to +50 Bar Trans: LP -1 to +80 Bar, HP -1 to +160 Bar
- Set of 3 charging lines 1m long.
- Sturdy plastic carry case.

| Description | Туре | Part No. |
|-------------|----------------|---------------|
| CO2 2 valve | Sub critical | FR1304-E20 |
| CO2 4 valve | Sub critical | FR1308-4R-E20 |
| CO2 2 valve | Sub critical | 4687894 |
| CO2 2 valve | Trans critical | FR4312-E25 |









Digital alarm thermometer

① JAVAC ① 銥

- Max/min memory.
- Stainless Steel probe 5" with 1 metre cable.
- Hold and alarm functions.
- Hand size, with detachable probe.
- Batteries included.

| Description | Part No. |
|---------------------------|---------------------------|
| Digital alarm thermometer | RT-905 |
| | |
| Units | °C, °F |
| Temperature range | -50 ~ 200°C / -58 ~ 392°F |
| Power | x1 AAA (included) |
| Probe size | 230 mm |
| Dimensions | 118 mm |

AC digital clamp meter



- Back light
- Continuity buzzer
- Data hold
- Maximum display 1999



| Description | Part No. |
|------------------------|------------------------|
| AC digital clamp meter | EM310C |
| | |
| DC voltage | 1000V ± (1%+2) |
| AC voltage | 750V ± (1.2%+5) |
| DC current | 20A / 200A / 1000A |
| Resistance | 200 / 2K ± (1%+3) |
| Temperature range | -40°C ~ 750°C ± (1%+3) |



Temperature and humidity meter

ALL

Supco



- Temperature, humidity & dew point
- Min/Max/Avg
- Data hold
- Back light
- Auto power off. Low battery indicator
- Hard plastic carry case

| Description | Part No. |
|---------------------------|----------|
| Digital alarm thermometer | EM10 |

| Temperature range | 14°F to 122°F (-10°C to 50°C) |
|------------------------|-------------------------------------|
| Temperature resolution | 0.1°F (0.1°C) |
| Temperature accuracy | ±1.8°F (± 1.0°C) |
| Humidity | 0% to +100% RH |
| Humidity resolution | 0.1% RH 0.1% RH |
| Humidity accuracy | 3% RH (5 to 95% RH) |
| Units | °F/°C/%RH |
| Power | 1.5 V AAA x 3 (included) |
| Dimensions | 121 x 60 x 30 mm (4.8 x 2.4 x 1.2") |
| Weight | 180 g (6.2 oz) |
| | |

Thermo-anemometer



- Data hold
- Back light
- Auto power off
- Low battery indicator
- Hard case included



| Description | Part No. |
|---------------------------|----------|
| Digital alarm thermometer | EM20 |

| Velocity range | 80 fpm to 4000 fpm, 0.4m/s to 2- m/s |
|------------------------|---|
| Velocity resolution | 1 fpm (0.1 m/s) |
| Temperature range | 14°F to 122°F (-10°C to 50°C) |
| Temperature resolution | 0.1°F (0.1°C) |
| Temperature accuracy | ±1.8°F (± 1.0°C) |
| Humidity accuracy | 3% RH (5 to 95% RH) |
| Units | m/s, km/h, fpm, mph, kts, Beaufort Scale,°F, 2°C |
| Power | 1.5 V AAA x 3 (included) |
| Dimensions | 157 x 60 x 30 mm (6.2" x 2.4" x 1.2") |
| Weight | 180 g (6.3 oz) |
| | |



Dual differential thermometer



- Dual Thermocouple (J, K) inputs
- High & Low Alarms. Data Hold. Data Storage
- Min/ Max / Avg for T1 & T2
- Backlit LCD. Auto power off
- Includes two (2) K-type thermocouples
- Hard plastic carry case

| Description | Part No. |
|-------------------------------|----------|
| Dual differential thermometer | EM60 |

| Thermocouple range | K: 328°F to 2372°F J:- 328°F to 2192°F (-200°C to 1200°C) (-200°C to 1300°C) |
|--------------------|---|
| Temperature range | (K): -328°F to 2372°F |
| Resolution | 0.1°F (0.1°C) |
| Best Accuracy | K-Thermocouple \pm 0.2% of Reading \pm 2°F (\pm 0.1% of Reading \pm 1.4°F) J-Thermocouple \pm 0.2% of Reading 2°F (\pm 0.1% of Reading \pm 1.4°F) |
| Measures | T1, T2 & T1-T2 |
| Power | 1.5 V AAA x 3 (included) |
| Dimensions | 121 x 60 x 30 mm (4.8 x 2.4 x 1.2") |
| Weight | 180 g (6.2 oz) |

Tachometer



- Range: 100 rpm to 30,000 rpm
- Min / Max
- Data Hold
- Backlit LCD
- Auto power off

74

Hard plastic carry case



| Description | Part No. |
|-------------|----------|
| Tachometer | EM30 |

| Velocity range | 80 fpm to 4000 fpm, 0.4m/s to 2- m/s |
|------------------------|---|
| Velocity resolution | 1 fpm (0.1 m/s) |
| Temperature range | 14°F to 122°F (-10°C to 50°C) |
| Temperature resolution | 0.1°F (0.1°C) |
| Temperature accuracy | ±1.8°F (± 1.0°C) |
| Humidity accuracy | 3% RH (5 to 95% RH) |
| Units | m/s, km/h, fpm, mph, kts, Beaufort Scale,°F, 2°C |
| Power | 1.5 V AAA x 3 (included) |
| Dimensions | 157 x 60 x 30 mm (6.2" x 2.4" x 1.2") |
| Weight | 180 g (6.3 oz) |



ANCILLARIES



EL41550

Valve core remover / installer

- 1/4" & 5/16" SAE valve core remover / installer
- Vacuum connection port and isolation valve
- Hard plastic case

| Description | Part No. |
|--------------------------------|----------|
| Valve core remover / installer | EL41550 |

Ball valves & adpators

JAVAC ① S S





EL33023



EL30035 / EL30036

| Description | Part No. |
|---|----------|
| Ball Valve R410A 5/16", 1/4 turn | EL33023 |
| Set of 3 Ball Valves (RBY) 1/4" SAE | EL33021 |
| 1/4" female flare x 1/4" male flare auto shut off | EL30036 |
| Adaptor 5/16 to 1/4 for R410A | EL30036 |

10kg cylinder adaptor



| Description | Part No. |
|-------------------------------|-------------|
| 10KG Cylinder Adaptor L/H R32 | JAV-CA04218 |





SU-04

Access valves & core tools

() JAVAC (1) 🕏



| Description | Part No. |
|------------------------------|----------|
| Valve core removal tool | S-209 |
| Schrader Valve 1/4" | SU-04 |
| Schrader Valve 5/16" – R410A | SU-05 |

Hydrocarbon can valve

① JAVAC ① 贫

- Can valve connection 1/4" SAE outlet
- Suitability R600 and R290 cans



| Description | Part No. |
|-----------------------|----------|
| Hydrocarbon Can Valve | JAV-1393 |





JAV-1372

Ancillary Fittings

The JAVAC 1/4" \times 1/8" NPT fitting is designed for secure and leak-free connections

- The JAVAC 1/4" Flare Cap with Gasket is designed for sealing and protecting 1/4" flare connections, contributing to the overall safety and integrity of the system
- Pack of 10

Safe Access Valves

♦ JAVAC ①

- Safe access valves, designed to use on the end of HVAC hoses to eliminate any potential refrigerant burns to hands
- Gives control to the user to accurately reduce or increase refrigerant flow
- Easily reduce and lock off the refrigerant flow from your hoses before disconnecting from the system
- Flow lock off feature
- Compatible with all refrigerants (except ammonia and CO2)
- Allows safe access with zero liquid refrigerant burns

| Description | Part No. |
|----------------------------------|----------|
| 1/4" x 1/8" NPT fitting (x10) | JAV-1371 |
| 1/4" Flare Cap with Gasket (x10) | JAV-1372 |
| 5/16" Flare Cap with Gasket (x0) | JAV-1373 |

| Description | Part No. |
|---------------------------------|----------|
| 1/4" x 1/4" Safe access valve | JAV-1368 |
| 1/4" x 5/16" Safe Access valve | JAV-1369 |
| 5/16" x 5/16" Safe Access valve | JAV-1370 |







JAV-127-CO

Ratchet wrenches

() JAVAC (1) 🕏



| Description | Part No. |
|--|------------|
| Offset ratchet wrench 1/4, 3/8, 5/16, 3/16" | JAV-127-CO |
| Ratchet wrench 1/4, 3/8, 5/16, 3/16" | JAV-127-C |

Torque wrench kit

① JAVAC ① 贫

- Torque 10-75 Nm.
- 7 Heads 17, 19, 22, 24, 26, 27, 29mm
- Hard plastic carry case

| Description | Part No. |
|-------------------|----------|
| Torque wrench kit | JAV-TW8 |





() JAVAC





JAV-3157

Piercing Plier

() JAVAC () 🕏

Designed to immediately pierce into any charging tube on all HVAC/R systems, mostly used in domestic applications

- Once the tube is pierced simple charging or evacuation can be carried out with minimal fuss
- Once complete the tube can be pinched off with the JAVAC Pinch off plier (JAV-1357) and the system can then be sealed

| Description | Part No. |
|---------------------|----------|
| Piercing Plier | JAV-3157 |
| Spare Needles (x10) | JAV-1359 |

Pinch Off Plier

() JAVAC () 🕏

The JAVAC Pinch Off Pliers are designed to pinch off copper tube up to 8mm thickness

- Locking jaw
- Pinches off and locks in place

| Description | Part No. |
|-----------------|----------|
| Pinch off plier | JAV-3157 |
| | |







JAV-1360

Capillary Couplers

() JAVAC (1) 🕏

The JAVAC 900mm and 1500mm Capillary couplers with depressor 1/4" x 1/4" provides secure leak-free connections.

- The depressors ensure controlled refrigerant release during connections
- Brass nuts
- Built in depressor, one end

| Description | Part No. |
|--|----------|
| Capillary Coupler 1/4" with Depressor 900mm | JAV-1360 |
| Capillary Coupler 1/4" with Depressor 1500mm | JAV-1361 |



ANCILLARIES



2 3 4 y f

EL30312

EL30303

Automotive couplers

() JAVAC (1) 🕏

• 1/4" SAE Hose Connection

| Description | Part No. | Description | Part No. |
|-------------|----------|-------------|----------|
| R134A LP | EL30302 | R1234YF LP | EL30303 |
| R134A HP | EL30312 | R1234YF HP | EL30313 |

Charging oil pump

① JAVAC ① 兌

Charge oil directly into the system with no need to shut it down.

- The pump fits any size oil drum, bottle or container.
- Pump against small positive pressure.
- Pumps 1 L in 20 full strokes of pump (approx).
- Can be used with alkyl benzene, ester based, polyol ester, mineral and synthetic oils.

| Description | Part No. |
|-------------------|----------|
| Charging oil pump | JAV-1042 |



| 1 | | |
|---|--|--|
| | | |
| | | |



M-2

Inspection mirror

() JAVAC (1) 🕏

- 2" (50mm) diameter mirror
- Mirror can be angled
- Telescopic action handle for those hard to reach places

| Description | Part No. |
|-------------------|----------|
| Inspection mirror | M-2 |

Fin comb

) JAVAC 🛈 🕏

• Fin Comb fits all sizes 8, 10, 12, 14 and 15 FPI



| Description | Part No. |
|-------------|----------|
| Fin comb | EL70925 |

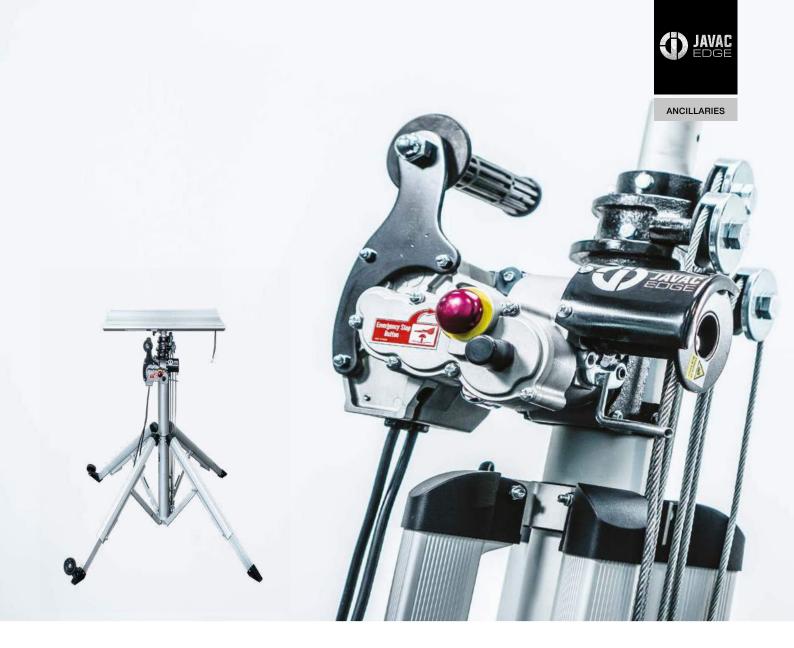
Solenoid service magnet

JAVAC 1 🕏

- Pocket sized, permanent magnet with protective plastic coating & carry case
- Safe, quick and easy way to manually operate electric solenoid valves
- Fits all makes of solenoid valve
- Saves service time
- An essential service engineer's tool



| | Description | Part No. |
|---|-------------------------|----------|
| - | Solenoid service magnet | JAV-1306 |
| 1 | | |



240V Portable Lifter

• **D AVAC** • **D**

The ultimate solution designed to assist with the lifting and positioning of heavy equipment in the HVAC industry.

- The lifter is suitable for use with condensers, evaporators, ductwork, air handling units, pipework plus many other uses
- Featuring its extendable legs, wide platform base and robust design the lifter offers unparalleled suitability and adaptability for almost all HVAC lifting and positioning requirements
- Designed to endure tough conditions allowing you to work safely, securely and efficiently

| Description | Part No. |
|----------------------|----------|
| 240V Portable Lifter | JAV-1353 |

Kit includes: 1 x Platform, 1 x Telescoping mast, 1 x Pulley with pulley cover, 1 x Steel cable, 1 x Motor and gearbox, 1 x Sliding ring, 4 x Legs, 1 x Wheel, 1 x Lever to select going up or down, 1 x Emergency Stop push button, 1 x Trigger button to control speed, 1 x Wheeled bag

| Operational Voltage | 220V ~ 240V @ 50/60Hz |
|-----------------------------|--|
| Operation Current | 4 Amp |
| Motor Duty | S3 30% |
| Plug Type | EU plug and UK plug adaptor |
| Max. Load Capacity | 130kgs (3.0m height) |
| Basic Height | 1m |
| Lifting Height | 3.69m |
| Standard Platform | 75 x 44cm |
| Operating Size | 115 x 118cm |
| Length of controlling cable | 4m |
| Length of power cord | 2.7m |
| Ambient temperature | -5 °C to 45 °C |
| IP Level | IP43 |
| Packaging box size | 102 x 28 x 33cm |
| Net / Gross weight | 30.5kgs (Machine 24kgs + Platform 4.8kgs) / 33kgs |
| Accessories | Manual Handle |
| Safety Standard | EN 60204-1:2018 / EN ISO 12100:2010 |
| Compliance | WEEE / CE / UKCA |
| | |



Unilite has built lights tough since 1981. The range back then was limited to just a handful of product lines. Wind the clock forward 43 years and now there are over 125 products, all with the same Built. Tough. DNA.





SLR-1450 | COMPACT WORK LIGHT

- 1450 lumen white COB LED, 6500k
- With 150 lumen 6500k white LED flashlight
- Plus 45 lumen Red and Red flash modes
- Powerful 'LG' 3.7v 5000mAh 21700 Li-ion battery
- Super tough copolymer and aluminium construction
- 180° rotating handle/stand with carabiner snap hook
- Strong magnets within the stand

 BATTERY
 3.7v 5000mAh 21700 Li-ion

 WEIGHT
 288g

 DIMENSIONS
 folded H 122.5 x W 50.5 x D 50.5mm extended H 219 x W 50.5 x D 50mm

- Glow-in-the-dark strip for extra visibility
- Battery level and charging indicators
- Faster 2A USB-C charging 3 hour charge time
- Im high quality USB-C cable included
- Battery can be removed so a convenient spare can be kept at hand
- 21700 battery has its own USB-C port so is easily charged out of the lamp

#BUILT TOUGH

LUMEN 1450LM | RUNTIME 3-90H | BEAM 53M | IP RATING IPX5



SLR-1750 WORK LIGHT WITH POWERBANK

AMMMMMM

UNILITE

- 1750 lumen white COB LED, 6500k
- Red LED modes for emergency / signalling / night vision
- Built-in USB power bank with multiple intelligent outputs - 5V-3A/9V-2A/12V-1A
- Super tough copolymer and aluminium construction
- 180° rotating handle/stand with carabiner snap hook

BATTERY 3.7v 10,400mAh Li-ion WEIGHT 600g DIMENSIONS folded - 102 x 158 x 55mm extended - 102 x 268 x 48mm

- Strong magnets within the stand
- Glow-in-the-dark strip for extra visibility
- Super high power 'LG' 10,400mAh battery
- Battery level and charging indicators
- Faster 4 4.5 hour USB-C charging with multiple inputs - 5V-3A/9V-2A
- Im high quality USB-C cable included

#BUILT TOUGH

LUMEN 1750LM | RUNTIME 4.5-195H | BEAM 50M | IP RATING IPX5

Information correct at time of going to press.

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SLR-5500 | RECHARGEABLE WORK LIGHT

- 5500 lumen 50W white SMD LEDs, 6500k
- High power 7.4v 7500mAh Li-ion battery
- Removable battery with powerful 2A USB power bank
- With battery level and charging indicators
- Tough aluminium & polycarbonate construction
- Glow-in-the-Dark strip around reflector for extra visibility
- Built-in aluminium heat sink

BATTERY 7.4v 7500mAh Li-ion Battery Pack WEIGHT 2200g **DIMENSIONS** 215 x 192 x 285mm

- Anti-slip rubber grip handle
- Adjustable head to change light angle
- Acrylic LED diffuser for even light dispersion
- Super strong magnetic base
- Mains 12V 2A multi-country charger/power lead included (inc UK, EU, US & AU adaptors)
- 4-5 hours charge time

#BUILT TOUGH

LUMEN 5500LM | RUNTIME 3-6H | BEAM 54M | IP RATING IP54



PL-3 INSPECTION PENLIGHT

- 275 lumen white SMD LEDs, 6500k
- Die cast aircraft grade aluminium construction
- Easy press rubberised micro-switch
- 3 Light mode settings
- Strong magnetic base
- Useful rear aluminium pocket clip
- IPX4 water resistant
- Im drop resistant

BATTERY3 x 1.5v AAA Alkaline Batteries (inc.)WEIGHT57g (without batteries)DIMENSIONS154 x 15 x 21.5mm

LUMEN 275LM | RUNTIME 3-16H | BEAM 23M | IP RATING IPX4



IL-925R | FOLDING INSPECTION LIGHT

- 925 lumen white COB LED, 6500k
- Secondary rear 475 lumen white COB LED, 6500k
- Extra top torch 150 lumen SMD LED, 6500k
- Compact hand-held size
- Super tough aluminium & nylon construction
- 180° vertical folding head
- Super strong magnetic base
- IK07 shock resistant 2m drop resistant

BATTERY3.7v 2600mAh Li-ionWEIGHT193gDIMENSIONSfolded 162 x 40 x 29 mmextended 304 x 33 x 29 mm

- IP54 dust & water resistant
- High quality 2600mAh li-ion battery
- Battery level & charging indicators
- Fast 1A USB-C charging 4 hour charge time
- Im high quality USB-C cable included

LUMEN 925LM | RUNTIME 2.5-9H | BEAM 41M | IP RATING IP54/IK07



IL-425R | FOLDING INSPECTION LIGHT

- 425 lumen white COB LED, 6500k
- Secondary rear 150 lumen white SMD LED, 6500k
- Extra top torch 80 lumen SMD LED, 6500k
- Ultra lightweight compact pocket size
- 180° vertical folding head
- Super tough aluminium & nylon construction
- Useful pocket clip
- Super strong magnetic base

BATTERY3.7v 1100mAh Li-ionWEIGHT105gDIMENSIONSfolded 147 x 33.5 x 21 mmextended 279 x 33.5 x 21 mm

- IK07 shock resistant 2m drop resistant
- High quality 1100mAh li-ion battery
- Low battery 3x warning flash reminds when charging is needed
- Quick 1A USB-C charging 3 hour charge time
- Im high quality USB-C cable included

LUMEN 425LM | RUNTIME 3-6.5H | BEAM 31M | IP RATING IP20/IK07



NL-350R | RECHARGEABLE NECK LIGHT

- High quality 350 lumen 6500k white SMD LEDs
- Super lightweight, adjustable and comfortable
- 2 light heads can be adjusted independently
- Super tough polycarbonate & ABS construction
- Up to 120° wider lighting angle
- IK07 Shock proof 2m drop resistant
- IP54 Dust & water resistant
- Circuit protection prevents battery from overcharging or over-discharging

 BATTERY
 3.7v 700mAh Li-ion

 WEIGHT
 140g

 DIMENSIONS
 230 x 150 x 23mm

- High quality 3.7v 700mAh Li-ion battery
- 3 colour LED battery level indicator
- Charging indicator Green flash: Charging / Green: Fully Charged
- Low battery 3x warning flash reminds when charging is needed
- USB-C charging cable included quick 2½ hour charge time

LUMEN 350LM | RUNTIME 2-10H | BEAM 45M | IP RATING IP54/IK07





WL-450R | DUAL BEAM COMPACT WORK LIGHT

- 450 Lumen 7W white 6500K COB LED
- Additional 450 lumen 3W 6500K CREE LED spot beam with magnifying collimator lens for long distance beam
- Ultra tough nylon & TPR construction
- 360° Rotating stand/handle with super strong magnets
- Memory switch remembers last mode used
- IP65 Dust & water resistant

 BATTERY
 3.7v 1500mAh Li-po

 WEIGHT
 145g

 DIMENSIONS
 69.5 x 34.1 x 85.7mm

- IK07 Shock proof 2M drop resistant
- Powerful 3.7v 1500mAh Li-polymer battery
- Battery level & charging indicator LED under the switch
- Fast 3A USB-C charging 2.5 hour charge time
- Supports quick 'USB PD' Charging
- Im high quality USB-C cable included

#BUILT TOUGH

LUMEN 450LM | RUNTIME 2.5-6H | BEAM 34M | IP RATING IP65

Information correct at time of going to press.

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K-550 COMPACT MINI WORK LIGHT

- 550 Lumen 5.7W white 6500K COB LED
- Press & Hold Turbo mode with additional red
- modes 6 different lighting modes
- Ultra tough nylon & polycarbonate construction
- Super compact and lightweight size
- 160° Rotating stand with strong magnet
- Smart Memory remembers last mode used
- Glow-in-the-Dark strip around led
- Comes with a carabiner and handy storage bag

 BATTERY
 3.7v 1200mAh Li-po

 WEIGHT
 74g

 DIMENSIONS
 54 x 28 x 60mm

- IPX6 water proof
- Powerful 3.7v 1200mAh li-polymer battery
- Useful battery level & charging indicators
- Fast 1A USB-C charging 1.5 hour charge time
- 30cm USB-C charging cable included
 - *550 lumen is Turbo mode and operates by 'press & hold' switch with 1 hour total runtime. High mode is 375 lumen with 3 hour runtime.

#BUILT TOUGH

LUMEN 450LM | RUNTIME 2.5-6H | BEAM 34M | IP RATING IP65





MTB-5300 | MULTI BATTERY HYBRID WORK LIGHT

- 5300 lumen 50W 6500K COB LED
- Dual Power rechargeable & mains powered
- Takes up to 20V 6.0Ah batteries from Milwaukee, De Walt, Makita & Metabo - 4 adapters included
- Secure battery compartment cover (note: larger 6.0Ah batteries may need to be used without cover)
- Super tough heavy duty nylon construction
- Easy carry rubber grip handle
- Rotating stand with holes for attaching tripod/ magnet
- 4 x dim settings: 650 / 1350 / 2700 / 5300 lumen

BATTERYNot included, bare toolWEIGHT1250gDIMENSIONSW 238 x H 257 x D 181mm

- Memory Switch remember last mode used
- Safety automatic switch-over from mains to battery in the event of power failure
- 2A USB Powerbank works with any battery Installed
- 4 x Battery level & charging indicators
- Comes with 5 metre heavy duty 24V-2.7A H05RN-F charger/power lead (includes UK, EU, US & AU plugs)
- Unilite 14.8V 5.2Ah battery available to purchase separately (NOTE: Only Unilite battery can be charged via the lamp)

NOTE: runtimes based on Unilite 5.2Ah battery

#BUILT TOUGH

LUMEN 5300LM | RUNTIME approx 2.5-16H | BEAM 95M | IP RATING IP65/IK07



HL-BR DUAL BEAM SENSOR HEADTORCH

- 475 lumen white SMD LEDs, 6500k
- 2 x Side SMD LEDs for wide flood lighting
- 250 lumen SMD LED for long distance spot beam Fast 1A USB-C rechargeable 2.5 hours
- Sensor mode for hands-free operation
- Super tough construction with rubberised coating Im USB-C charging cable included
- IK07 shock resistant
- IP65 dust & water resistant
- Im impact resistant
- 60° rotational head

- Fully adjustable non-slip silicone lined headband
- Red-to-Green charging indicator light
- charge time

BATTERY 3.7v 1500mAh Li-Polymer WEIGHT 111g **DIMENSIONS** headtorch 47.5 x 78.5 x 46mm

#BUILT TOUGH

LUMEN 475LM | RUNTIME 4-35H | BEAM 90M | IP RATING IP65/IK07

HEAD TORCHES



LINILITE

- 275 lumen white CREE LED, 6500k
- 2 x 5mm red LEDs for night vision ON and FLASHING
- Red-to-Green charging indicator
- Easy push micro switch
- 45° rotational head
- Strong ABS housing
- Fully adjustable non-slip silicone headband
- 3M VHB adhesive helmet mount (included)

BATTERY 3.7v 1800mAh Li-Polymer WEIGHT 78g **DIMENSIONS** headtorch 63 x 40 x 42mm Im impact resistant

INILIT

Now Faster 1A USB-C charging - 2.5 hour charge time

RUNRUTE

300 MM

Im USB-C charging cable included

LUMEN 275LM | RUNTIME 6.5-170H | BEAM 95M | IP RATING IPX5

Information correct at time of going to press.

#BUILT TOUGH





HEAD TORCHES





PS-HDL2 | HELMET HEADTORCH

- 200 lumen white CREE LED, 6500k
- 4 main functions HIGH / MED / LOW / SOS FLASHING
- 3 auxiliary function HIGH / LOW / STROBE FLASHING
- Easy push micro switch
- Ultra-smooth reflector for long distance beamt
- 45° rotational head
- Strong ABS housing

BATTERY 3 x 1.5v AAA Energizer Alkaline Batteries (inc.) WEIGHT 88g (with batteries) **DIMENSIONS** headtorch 47 x 62 x 37mm

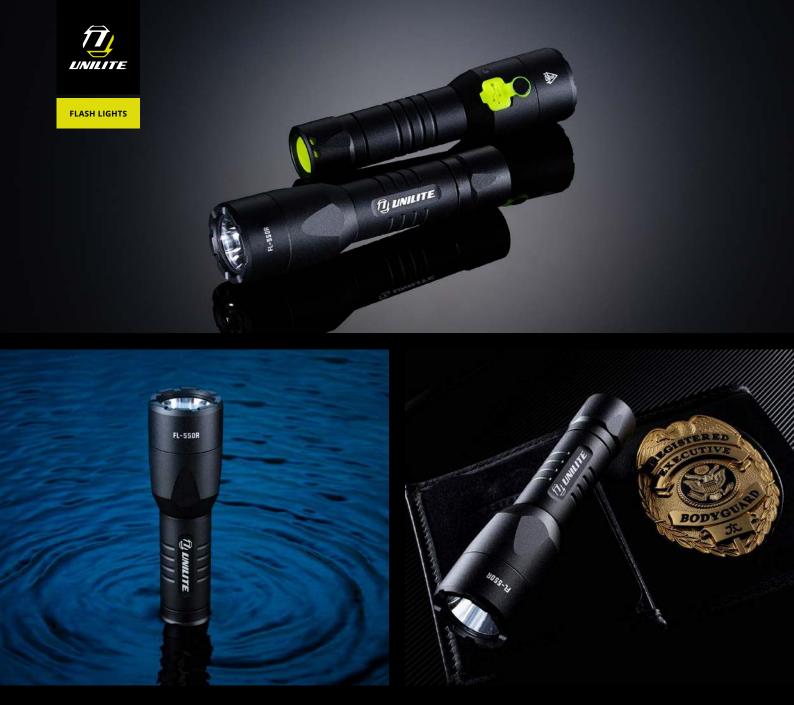
Fully adjustable non-slip silicone headband

- 3M VHB adhesive helmet mount (included)
- Im impact resistant
- IPX6 water resistant

LUMEN 200LM | RUNTIME 5-185H | BEAM 95M | IP RATING IPX6

Information correct at time of going to press.

#BUILT TOUGH



FL-550R ALUMINIUM USB FLASHLIGHT

- 550 lumen white Nichia LED, 6500k
- Hard anodized die cast matte aluminium body
- Tactical rubberised micro switch operation
- 3 light mode settings and 8Hz defence strobe
- Flawless smooth reflector for long distance beam
- IP67 dust and waterproof 1m submersible
- Impact resistant to 1m
- Built-in USB rubberised charging port cover
- Battery level and charging indicator LED

 BATTERY
 3.7v 800mAh 14500 Li-ion (inc.)

 WEIGHT
 109g (with battery)

 DIMENSIONS
 113 x 30 x 30mm

- 1A USB-C charging fast 2 hours charge time
- High quality USB-C charging cable included
- Nylon velcro holster & safety nylon wrist strap included

LUMEN 550LM | RUNTIME 2.5-21H | BEAM 182M | IP RATING IP67

Information correct at time of going to press.

#BUILT TOUGH



FR-1200 DUAL POWER RIGHT ANGLE FLASHLIGHT

- High quality 1200 lumen white LED, 6500k
- Hard anodized die cast matte aluminium body
- Head rotates to 90-degree angle
- Useful pocket clip and strong magnetic base
- Rubberised easy press side switch
- 3 light mode settings
- Flawless smooth reflector for long distance beam
 High quality USB-C charging cable inc. (0.5m)
- IP65 dust and water resistant
- Impact resistant to 2m

- Built-in rubberised USB-C charging port
- Battery level and charging indicator under the switch
- Circuit Protection prevents battery from overcharging or over-discharging
- Fast 1A USB-C charging 2.5 hour charge time
- Can also work with 2 x CR123A lithium batteries (not inc.)

BATTERY 3.6v 2600mAh 18650 Li-ion (inc.) / or 2 x CR123A batteries (not inc.) WEIGHT 209g (with li-ion battery) / 161g (without battery) **DIMENSIONS** Extended length 160.5 x Ø 30x Ø 27mm

#BUILT TOUGH

LUMEN 1200LM I RUNTIME 3-14H I BEAM 180M I IP RATING IP65

Information correct at time of going to press.

UK an ASPEN PUMPS GROUP company



FR-400 | RIGHT ANGLE USB FLASHLIGHT

- High quality 400 lumen white LED, 6500k
- Hard anodized die cast matte aluminium body
- Head rotates to 90-degree angle
- Useful pocket clip and strong magnetic base
- Rubberised easy press side switch
- 2 light mode settings
- Frosted lens for smoother beam spread
- IP65 dust and water resistant
- Impact resistant to 2m

- Built-in rubberised USB-C charging port
- Battery level and charging indicator under the switch
- Circuit Protection prevents battery from overcharging or over-discharging
- Fast 1A USB-C charging 2.5 hour charge time
- High quality USB-C charging cable inc. (0.5m)

BATTERY3.7v 750mAh 10900 Li-ion (inc.)WEIGHT90g (with li-ion battery) / 69g (without battery)DIMENSIONSExtended length 161.5 x Ø 19x Ø 17mm

#BUILT TOUGH

LUMEN 400LM | RUNTIME 2-8H | BEAM 60M | IP RATING IP65





F-1400 DUAL POWER ALUMINIUM FLASHLIGHT

- High quality 1400 lumen white LED, 6500k
- Hard anodized die cast matte aluminium body
- Tactical rubberised tail switch
- 4 light modes and 8Hz defence strobe
- Flawless smooth reflector for long distance beam
 Can also work with 2 x CR123A lithium batteries
- IP68 dust and waterproof 1m submersible
- Impact resistant to 2m
- Built-in concealed USB-C charging port
- Battery level and charging indicator LED

- Circuit Protection prevents battery from overcharging or over-discharging
- Fast 1A USB-C charging 2.5 hour charge time
- High quality USB-C charging cable inc. (0.5m)
- (not inc.)
- Safety nylon wrist strap included

BATTERY 3.6v 2600mAh 18650 Li-ion (inc.) / or 2 x CR123A batteries (not inc.) WEIGHT 157g (with li-ion battery) / 109g (without battery) DIMENSIONS 140 x Ø 30x Ø 25mm

F-2700 USB ALUMINIUM FLASHLIGHT

- Super bright 2700 lumen white LED, 6500k
- Hard anodized die cast matte aluminium body
- Tactical rubberised tail switch
- 4 light modes and 8Hz defence strobe
- Flawless smooth reflector for long distance beam
 Safety nylon wrist strap included
- IP68 dust and waterproof 1m submersible
- Impact resistant to 2m
- Built-in concealed USB-C charging port
- Battery level and charging indicator LED

BATTERY 3.6v 5000mAh 21700 Li-ion (inc.) WEIGHT 210g (with li-ion battery) / 138g (without battery) **DIMENSIONS** 153 x Ø 33x Ø 28mm

- Circuit Protection prevents battery from overcharging or over-discharging
- Fast 2A USB-C charging 3 hour charge time
- High quality USB-C charging cable inc. (0.5m)

#BUILT TOUGH

LUMEN 1400LM I RUNTIME 2.5-23H I BEAM 180M I IP RATING IP68

Information correct at time of going to press.

UK an ASPEN PUMPS GROUP company







SG-YIO | SAFETY GLASSES WITH INDOOR/OUTDOOR LENSES

- Super tough flexible nylon-polymer frame
- 8-Base curved toughened polycarbonate lenses
- Toughened polycarbonate lenses
- Indoor & outdoor mirror lens coating
- With 99% UV A/B/C protection (EN170)
- Anti-scratch & anti-fog lens coatings
- Flexible PC & TPR co-injected side arms
- Rubberised TPR inner arm grips
- TPR non-slip nose grip with reinforced bridge

WEIGHT 33.5g

- Side TPR temple shields with ventilation
- Micro-fibre drawstring storage bag included

LENS MARKINGS

- Lens Filters: 2 (UV EN170) 1.4 (Indoor & Outdoor)
- Optical Class: 1 (high optical quality)
- Lens Coatings: Standard Anti-Scratch & Anti-Fog
- Mechanical risk Low energy impact F
- High speed particles at extreme temperatures T



#BUILT TOUGH

CERTIFICATIONS CE - EN166 / USA - ANSI Z87.1 / AUS/NZ - AS/NZS 1337.1



SG-YFG | SAFETY GLASSES WITH CLEAR LENSES & FOAM GASKET

- Tough flexible polycarbonate frame
- 8-Base curved toughened polycarbonate clear lenses
- Hytrel black back frame with EVA foam gasket
- K & N anti-scratch & anti-fog lens coatings
- 99% UV A/B/C protection (EN170)
- Flexible PC & TPR co-injected side arms
- With side temple ventilation
- Adjustable TPR non-slip nose pads
- Reinforced nose bridge

WEIGHT 39.5g

Micro-fibre drawstring storage bag included

LENS MARKINGS

- Lens Filters: 2C (UV EN170) 1.2 (Clear)
- Optical Class: 1 (high optical quality)
- Lens Coatings: Anti-Scratch K Anti-Fog N
- Mechanical risk: Low energy impact F
- High speed particles at extreme temperatures T



#BUILT TOUGH

CERTIFICATIONS CE - EN166 / USA - ANSI Z87.1 / AUS/NZ - AS/NZS 1337.1







SG-YCB | SAFETY GLASSES WITH CLEAR BLUE LIGHT LENSES

- Tough flexible polycarbonate frame
- 8-Base curved toughened polycarbonate lenses
- Clear 420Cut blue light blocking lenses
- Blocks harmful HEV blue light up to 420nm
- K & N anti-scratch & anti-fog lens coatings
- 99% UV A/B/C protection (EN170)
- Flexible PC & TPR co-injected side arms
- Adjustable rubberised non-slip nose pads
- Reinforced nose bridge
- Micro-fibre drawstring storage bag included

LENS MARKINGS

- Lens Filters: 2C (UV EN170) 1.2 (Clear)
- Optical Class: 1 (high optical quality)
- Lens Coatings: Anti-Scratch K Anti-Fog N
- Mechanical risk: Low energy impact F
- High speed particles at extreme temperatures T





#BUILT TOUGH

CERTIFICATIONS CE - EN166 / USA - ANSI Z87.1 / AUS/NZ - AS/NZS 1337.1

Information correct at time of going to press.

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SG-YDS | SAFETY GLASSES WITH DARK SMOKE LENSES

- Tough flexible polycarbonate frame
- 8-Base curved toughened polycarbonate lenses
- Dark smoke lens tinting
- K & N anti-scratch & anti-fog lens coatings
- 99% UV A/B/C protection (EN172)
- Flexible PC & TPR co-injected side arms
- Side temple ventilation
- Adjustable rubberised non-slip nose pads
- Reinforced nose bridge
- Micro-fibre drawstring storage bag included

LENS MARKINGS

- Lens Filters: 5 (UV EN172) 2.5 (Dark Smoke)
- Optical Class: 1 (high optical quality)
- Lens Coatings: Anti-Scratch K Anti-Fog N
- Mechanical risk: Low energy impact F
- High speed particles at extreme temperatures T





#BUILT TOUGH

CERTIFICATIONS CE - EN166 / USA - ANSI Z87.1 / AUS/NZ - AS/NZS 1337.1







MT5M2 | HEAVY DUTY TAPE MEASURE

- Heavy duty 5m tape measure with 27mm wide blade
- Ultra high performance nylon coated SUPERBLADE - 5 x extended life
- 2.9m/9.5ft high stand-out blade
- SUPERBLADE withstands durability tests of falling sand particles with 60 litres of salt spray for 100 hours
- Magnetic triple riveted stainless steel dual hook with 1kg suction
- Dual colour double sided imperial & metric blade
- Durable rear pocket clip wont detach even if screw loosens

- Powerful push lock secures the blade
- Superior internal mechanism provides smooth operation
- Impact resistant TPR covered ABS casing
- Drop tested from 9m

WEIGHT 322g | DIMENSIONS H 76.5 x W 79 x D 51.8mm

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| | | | | Longost finger | Inches | <mark>S/7</mark> | <mark>M/8</mark> | L/9 | XL/10 | XXL/11 |
| | | | | Longest finger length to cuff | Inches | 9 | 9 ½ | 10 | 10 1⁄4 | 10 1⁄2 |
| | | | | Longest finger length to cuff Palm width at | Inches CM Inches | | | | | |

UG-12C4 | HEAVY DUTY CUT-D IMPACT GLOVES

- Cut resistant gloves with full dorsal TPR impact protection
- Flexible lightweight design, TPR weighs less than 60g
- Heavy duty 15-Gauge high-performance polyethylene (HPPE) yarn interwoven with steel and glass fibres for added strength and high cut resistance
- Sandy nitrile half-dip coating offers excellent grip
- TPR is sonic welded to the glove for greater longevity
- Adjustable TPR velcro wrist strap for secure fit
- Synthetic leather stitched cuff for durability
- Touch screen technology
- EN388 mechanical hazard protection: 4X42DP cut level D
- ANSI/ISEA 138 impact resistant level 2
- ANSI cut resistant level A4
- Available in 5 EU sizes 7/S, 8/M, 9/L, 10/XL & 11/XXL.

CERTIFICATIONS EN ISO 21420:2020 | EN388:2016+A1:2018 | ANSI/ISEA 2016 | ANSI/ISEA138:2019

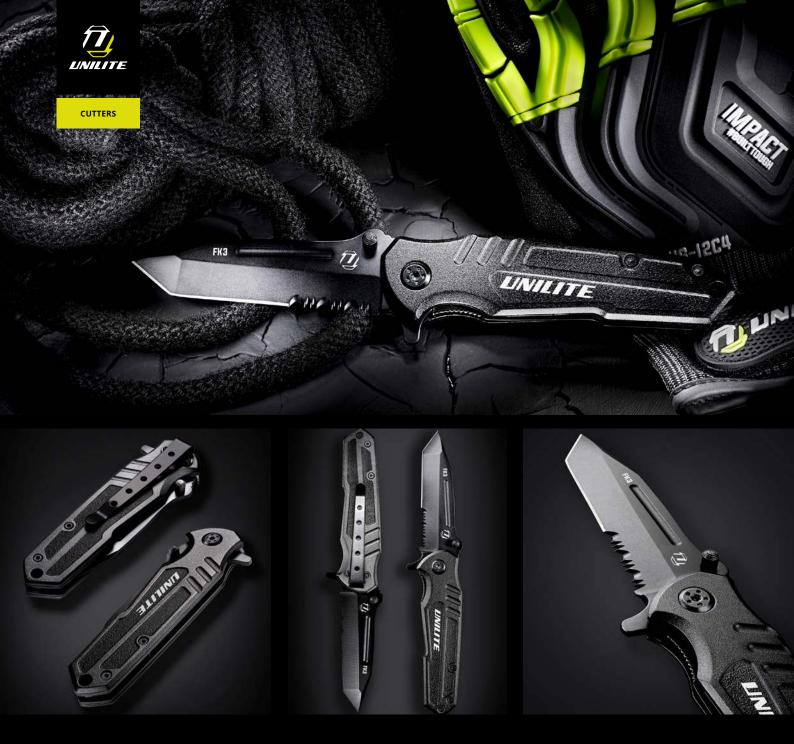












FK3 | HEAVY DUTY FOLDING UTILITY KNIFE

- Heavy duty folding utility knife
- High-carbon 3Cr13 stainless steel blade
- 'Clip point' blade with serrated edge and tapered spine swedge
- Blade spine includes thumb rise for extra grip
- Blade hardness 52-54 HRC
- Assisted one-handed opening with thumb studs
- Easy to operate one-handed 'Liner lock' mechanism
- Ultra tough ergonomic aluminium handle with front Quillion finger guard
- Pocket clip for easy carrying
- Hole in the handle for adding a lanyard

WEIGHT 119.5g | DIMENSIONS Length: 198mm





EK5 | HEAVY DUTY FOLDING UTILITY KNIFE

- Heavy duty folding utility knife
- Super high-carbon 7Cr17MoV stainless steel blade with high tensile strength
- 'Sheepsfoot' blade with cable stripper notch
- High blade hardness 56-58 HRC
- Crescent nail pull in the blade spine for easy opening
- Sharpening 'choil' notch at the blade plunge line for easier sharpening
- Durable and easy to operate 'Lockback' mechanism
- Ultra tough ergonomic aluminium handle
- Hole in the handle for adding a lanyard
- Super low-profile at only 10mm thick

WEIGHT 107g | DIMENSIONS Length: 182mm



EK5 | HEAVY DUTY FOLDING UTILITY KNIFE

- Heavy duty folding utility knife
- Super high-carbon 7Cr17MoV stainless steel blade with high tensile strength
- 'Sheepsfoot' blade with cable stripper notch
- High blade hardness 56-58 HRC
- Crescent nail pull in the blade spine for easy opening
- Sharpening 'choil' notch at the blade plunge line for easier sharpening
- Durable and easy to operate 'Lockback' mechanism
- Ultra tough ergonomic aluminium handle
- Hole in the handle for adding a lanyard
- Super low-profile at only 10mm thick

#BUILT TOUGH

WEIGHT 107g | DIMENSIONS Length: 182mm





UK1 | FOLDING UTILITY KNIFE

- Heavy duty nickel body with ABS and a TPR grip
- 4 x SK5 black steel blades included
- 1 blade installed and 3 replacement blades conveniently stored inside
- Multi-position folding design
- Easy press unlocking button
- Quick release blade change
- Convenient wire/strap cutter slot
- Useful hole for attaching a lanyard
- Accepts most standard utility blades
- Extended size H 175 x W 33 x D 23.5mm

#BUILT TOUGH

WEIGHT 125g | DIMENSIONS H 116 x W 41.5 x D 23.5mm



The toughest and most versatile tool bag you'll ever own. Maximised tool storage capacity – you will never be short on space. Waterproof base, double stitched, heavy duty plastic coil over sized zips. Industrial strength double nylon stitching. D-Rings: Powder coated steel. Zinc/marine grade stud press studs. Gun metal/marine grade rivets. Wheels, backpacks, open tops, pouches. Aspen Pumps Group are proud to deliver these superb bags designed for the HVAC/R technician.

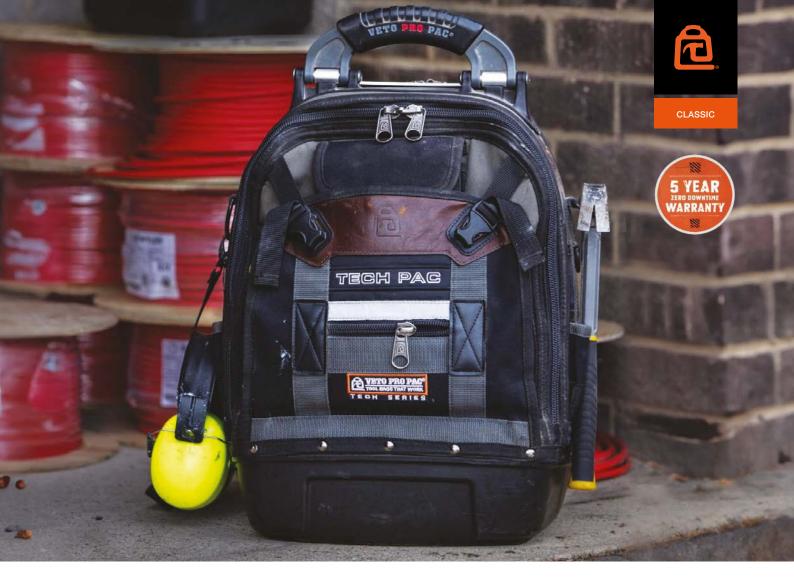


Photo credit: Top left clockwise: BassFilmco/Epic Air, @alstoolchannel, BassFilmco/Epic Air.

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Tech-Pac васкраск тооl вад

Veto Pro Pac's Tech Pac is Veto's first backpack tool bag designed specifically for professional service and commissioning engineers carrying tools, laptops & service checkers. Ideal for the long walks on large sites and inner city calls outs.

- Adjustable padded shoulder straps
- Padded EVA thermoformed, ergonomic back padding
- Pocket for small tablet or laptop/multi purpose
- Internally stored aluminium hook to hang bag
- 46 interior & exterior pockets
- 5 year limited warranty

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with overmolded rubber grip. YKK[®] Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: 38 zinc, gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | Part No. |
|-------------|----------|
| Tech Pac | AX3501 |
| | |

Model specific specifications

| Size mm – w/d/h | 305x230x330 (400 with handle) |
|-----------------|---|
| Weight (empty) | 2kg |
| Storage/pockets | Vertical Tool Pockets: 46 interior and exterior tool pockets of various sizes. 2 Storage Bays – 4 Storage Platforms |
| Max. Payload | 23kg |
| Maxi i ayioaa | 20109 |
| Internal volume | 25L |
| , | 0 |
| Internal volume | 25L |

Information correct at time of going to press.

Photo credit: @epicveto



Tech-Pac MC

- 39 Interior and exterior pockets
- Neoprene meter pockets
- Interior magnetic screw catcher
- 2 Storage bays 4 storage platforms
- Padded eva foam back pad
- Waterproof polypropylene plastic base
- For moisture and abrasion protection
- Quick release metal hasp, allows easy access to
- Rear storage bay & positive connection to bag body
- 5 year limited warranty

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | | Part No. | |
|-------------------|-------------------------|----------|--|
| Tech-Pac MC Tool | Bag | W | |
| Model specific sp | adifications | | |
| would specific sp | Decinications | | |
| Size mm – w/d/h | 305x230x430 | | |
| Weight (empty) | 3.5kg | | |
| Storage/pockets | 39 | | |
| Max. Payload | 16kg | | |
| Internal volume | 18L | | |
| S/S Tape clip | \checkmark | | |
| Plus | Quick release metal has | sp. | |
| | | | |

Information correct at time of going to press.

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MC TOOL BAG

The MC tool bag is small, lightweight and perfect tool organizer for troubleshooting, diagnostics and job specific setups and offers 20 interior and exterior pockets for handling tools, meters, and a compact cordless drill/driver compartment.

- Vertical Tool Pockets: 20 interior and exterior
- D-Rings: 2 large and 5 small
- Meters and compact cordless drill/driver compartment

| Description | Part No. |
|-------------------|----------------------------------|
| MC Tool Bag | AX3506 |
| | |
| Model specific sp | pecifications |
| Size mm – w/d/h | 305x230x330 (400 with handle up) |
| Weight (empty) | 2kg |
| Storage/pockets | 20 |
| Max. Payload | 14kg |
| Internal volume | 11L |
| S/S Tape clip | 1 |
| Plus | Quick release metal hasp |

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with overmolded rubber grip. YKK[®] Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: 38 zinc, gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

Information correct at time of going to press.

Photo credit: @r/Tools, Reddit



Tech-MCT

Compact, yet fully featured service, repair or installation tool organiser that features everything you have come to expect from Veto Pro Pac's patented center panel, heavy duty construction and stabilizing injection molded waterproof base that keeps tools dry, even in the nastiest of conditions.

- Vertical Tool Pockets: 20 interior and exterior
- D-Rings: 2 large and 5 small
- Meters and compact cordless drill/driver compartment

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | | Part No. |
|-------------------|---|----------|
| Tech MCT Open To | ool Bag | AX3513 |
| | | |
| Model specific sp | pecifications | |
| Size mm – w/d/h | 305x215x355 | |
| Weight (empty) | 2.25kg | |
| Storage/pockets | 44 vertical interior and exterior. 2 Storage Bays- Hand Tools on one side; Meter and Drill Storage on the other side; 2 Neoprene Pockets on Meter Side | |
| Max. Payload | 14kg | |
| Internal volume | 13L | |
| D-Rings | 2- 2" and 5- 1" | |
| S/S Tape clip | \checkmark | |
| | • | |

Information correct at time of going to press.

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Tech-XL

TOOL BAG

The Tech-XL is the technician version of Veto Pro Pac's award winning XL tool bag. The TECH-XL tool bag sports 80 pockets with ample pocket room for hand tools, parts boxes, meters, a cordless impact drill and other bulkier items. 9 small neoprene pockets have been added for drill bits and bit extensions.

• Extra-Wide, Heavy Duty, Padded Shoulder Strap Clips onto Handle

| Description | Part No. | |
|-------------------|--|--|
| Tech-XL Tool Bag | AX3503 | |
| Model specific sp | pecifications | |
| Size mm – w/d/h | 420x240x380 | |
| Weight (empty) | 4kg | |
| Storage/pockets | 80 vertical interior and exterior pockets of various sizes; Neoprene Pockets: 2 Large, 3 Medium and 9 Small (for bits or memory sticks) | |
| Max. Payload | 20kg | |
| Internal volume | 27L | |
| D-Rings | 4 large and 5 small | |
| S/S Tape clip | \checkmark | |
| Plus | 8" Electrical Tape Strap | |

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

Photo credit: @epicveto



TP-XXL EXTRA LARGE TOOL POUCH

A closable extra-large sized tool pouch designed with integral side mounted padded meter pockets. Each zippered meter pocket will securely fit meters up to 260mm x 90mm x 50mm. The TP-XXL can be customized to hold a variety of tools, meters, fasteners, small tablet computer (rear pocket can accommodate tablet up to 9" x 11"), and various other gear.

- Includes rear tablet pocket & 2 Padded Meter Pockets
- "Hang-Up" Hook- Accessible While Open & Closed
- Over-Molded Rubber Grip
- Padded Shoulder Strap

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | Part No. | |
|-------------------|---|--|
| TP-XXL Tool Pouc | h AX3579 | |
| | | |
| Model specific sp | pecifications | |
| Size mm – w/d/h | 305x215x80 (560 with handle up) | |
| Weight (empty) | 14kg | |
| Storage/pockets | 46 total exterior and interior pockets; V-Swap™ Removable Tool Pocket Panel System; Includes rear tablet pocket & 2 Padded Meter Pockets | |
| Max. Payload | 14kg | |
| Internal volume | 12L | |
| D-Rings | 2- 2" and 5- 1" | |
| S/S Tape clip | 1 | |



Tech OT-MC

OPEN TOP TOOL BAG

The Tech OT-MC tool tote bag is an open-top tool storage optimiser. This compact, open-top tool bag contains an internal plastic box that includes a repositionable insert box with nonmagnetic lid to allow for customizing your tool storage needs. The Tech OT-MC also features multiple vertical tool pockets for quick and easy access..

| Description | | Part No. | |
|-------------------|---------------------|-------------|--|
| Tech OT-MC Tool E | Bag | AX3514 | |
| Model specific sp | ecifications | | |
| Size mm – w/d/h | 330x265x305 | | |
| Weight (empty) | 2.5kg | | |
| Storage/pockets | 28 Interior & Exter | ior Pockets | |
| Max. Payload | 14kg | | |
| Internal volume | 10.5L | | |
| S/S Tape clip | \checkmark | | |

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

Information correct at time of going to press.

Photo credit: BassFilmco/Epic Air



OT-XL OPEN TOP TOOL BAG

Enter the Open Top version of our award winning XL tool bag. It's the perfect king-sized, all-purpose tool storage bag for those fill 'em up and go situations.

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | Part No. | |
|-------------------|--|--|
| OT-XL Tool Bag | AX3543 | |
| | | |
| Model specific sp | pecifications | |
| Size mm – w/d/h | 46x29x32 | |
| Weight (empty) | 4kg | |
| Storage/pockets | Vertical Tiered Tool Pockets: 40 Flat Zippered Pockets: 4 | |
| Max. Payload | 18kg | |
| Internal volume | 22L | |
| D-Rings | 2 large and 4 small | |
| S/S Tape clip | ✓ | |
| | | |

Information correct at time of going to press.

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Tech OT-LC

TOOL BAG

The Tech OT-LC is a large capacity wide open tote with removable/ swappable vertical pocket panels. This bag comes with the 10 and 15-pocket tool panels and a bulk storage panel, and it also includes the large center box with two repositionable partitions and a removable insert box with a magnetic lid. The TECH OT-LC contains additional open space that can be reoriented, accommodating multiple tools & gear for a variety of tasks. Additional panels, partitions and insert boxes are available for purchase below.

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | Part No. | |
|-------------------|---|--|
| Tech OT-LC Tool E | Bag AX3580 | |
| Model specific sp | pecifications | |
| Size mm – w/d/h | 405x305x305 | |
| Weight (empty) | 3.5kg | |
| Storage/pockets | 38 Available Pockets; V-Swap™ Removable Tool Pocket Panel System; Optional Bulk Panel Storage Included; 2 Movable Plastic Partitions; Holds Up To 4 Removable Insert Boxes; 1 Magnetic Lid and Insert Boxes; Exterior Utility Pocket | |
| Max. Payload | 18kg | |
| Internal volume | 15.5L | |
| D-Rings | 2 large and 4 small | |
| S/S Tape clip | J | |



MB5B Tester Bag

TOOL BAG

The MB5B Tester Bag is an extra large and highly-configurable front accessed bag designed for a Multifunction Tester (MFT). Once the bag is loaded out, it can be worn over both shoulders using the included backpack straps, over a single shoulder using the optional padded shoulder strap (sold separately), or at your side with over-molded gripped handle. Finally, the bag features an additional 8 pockets on the front flap as well as a padded tablet computer pocket on the back.

- Rear padded tablet computer pocket: 11"(h) x 10" (h) x 1" (d)
 Detachable/optional backpack straps
- V-Swap™ removable component system choose from several included or optional panels

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

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| Description | Part No. | |
|---|--|--|
| MB5B Tester Bag | AX3663 | |
| Model specific sp | ecifications | |
| Size mm – w/d/h | 46x29x32 | |
| Weight (empty) | 4kg | |
| Storage/pockets (additional V-Swap panels can be purchased seperatly) | 4kg 21 exterior tool pockets; 2 padded side- mounted meter or tool repositionable pockets; Rear padded tablet computer pocket: 11"(H) x 10" (W) x 1" (D); Removable storage box & adjustable height shelf for a Multifunction Tester; 2 x 20cm magnetic parts bags for leads and fittings; V-Swap Large Side Pocket Inserts; MFT Accessory Box; V-Swap Front Padded Panel; V-Swap Rear Padded Panel; PB2-8 MAG Parts Bags | |
| Max. Payload | 20kg | |
| Internal volume | 14L | |
| D-Rings | 2 large and 4 small | |
| S/S Tape clip | \checkmark | |
| 'Hang-up' hook | \checkmark accessible while open and closed | |
| Plus | 8" Electrical Tape Strap | |

Information correct at time of going to press.

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Photo credit: @epicveto



Tech Pac MC Special Ops

BACKPACK TOOL BAG - WITH 2 PARTS BAGS

Combining the tactical look of our Blackout bags with the practicality of bold Hi-Viz accents, the TTech Pac MC Special Ops also includes black reflective tape for enhanced visibility. The Tech Pac MC SPECIAL OPS, with the industry-best capabilities of our Tech Pacs, also includes the addition of two Hi-Viz PB5 parts bags.

- Padded EVA foam back pad
- Subtle 'Black Reflective' elements & bold Hi-Viz Yellow accents
- 2 PB5 HI-VIZ Parts bags included

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | Part No. | |
|-------------------|--|--|
| Tech Pac MC Spec | al Ops (inc. 2 Parts Bags) AX3623 | |
| | | |
| Model specific sp | ecifications | |
| Size mm – w/d/h | 305x230x430 (480m with handle up) | |
| Weight (empty) | 3.5kg | |
| Storage/pockets | 39 Interior and Exterior pockets; 2 PB5 HI-VIZ Parts bags included; Neoprene meter pockets; Interior magnetic screw catcher; 2 storage bays – 4 storage platforms | |
| Max. Payload | 16kg | |
| Internal volume | 18L | |
| S/S Tape clip | \checkmark | |



Scan me for the full range of Veto Bags. vetopropac.com

Photo credit: @rdaviselectrical

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Tech-Pac Blackout

BACKPACK TOOL BAG

The Tech Pac Blackout is a blacked-out tool backpack for tool storage based on our Tech Pac but with Veto Pro Pac's V-Swap™ system that comes with front and back removable tool and meter pocket panels which are also exchangeable.

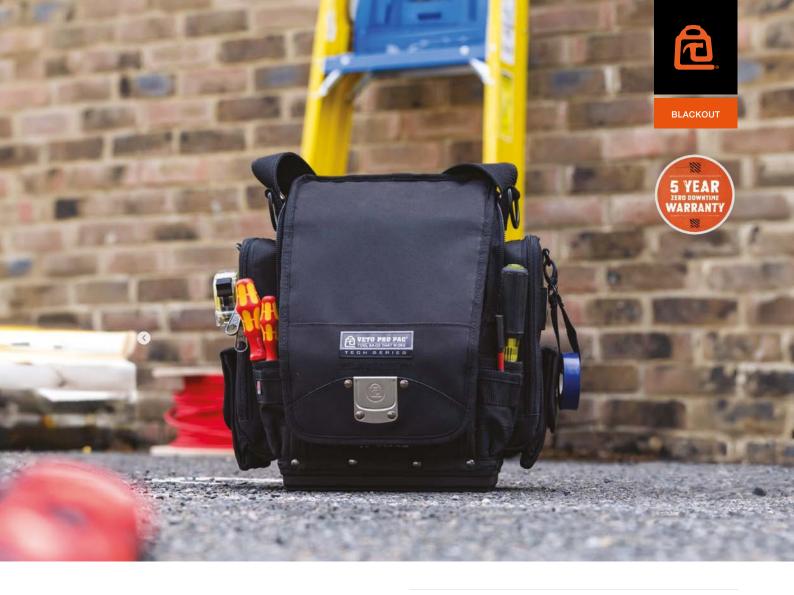
Note: This bag comes with the tool and meter panel. You do not have to select any panels for the bag to come with the tool and meter panels though you may purchase additional panels to offer a variety of configurations. Visit website for further details.

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

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| Description | | Part No. |
|-------------------|--|---|
| Tech-Pac Blackou | Tech-Pac Blackout Tool Bag | |
| | | |
| Model specific sp | pecifications | |
| Size mm – w/d/h | 330x250x495 (56 | 0 with handle up) |
| Weight (empty) | 5.5kg | |
| Storage/pockets | tool pockets of va (Front Side) Desig ity; Swap-Out Too Tool Panels are re ble; Laptop Panel (must be purchas | ets: 46 interior and exterior rious sizes; Upper Pockets ned For Extra Tool Capac- ol Panels- Front and Back movable and exchangea- Available as an accessory ed separately) 2 Storage Platforms; Manifold Gauge e Pocket |
| Max. Payload | 23kg | |
| Internal volume | 25L | |
| D-Rings | 4 large and 5 small | |
| S/S Tape clip | \checkmark | |
| Plus | 8" Electrical Tape Strap | |
| | | |



TP-XXL Blackout

TOOL POUCH

The TP-XXL Blackout is a closable extra-large tool pouch designed with integral side mounted padded meter pockets. Each zippered meter pocket will securely fit meters up to 10" (260mm) x 3.5" (90mm) x 2" (50mm). The all-black tactical construction of the Blackout edition discretely conceals additional V-Swap capabilities. V-Swap panels inside the TP-XXL Blackout enable the removal of all internal pockets to create a custom layout, easy clean-out and/ or the storing of larger equipment in addition to a variety of tools, meters, fasteners, small tablet computer.

DescriptionPart No.TP-XXL Blackout Tool BagAX3654

| Description | | Part No. |
|-------------------|---------------------------------------|---|
| Tech-Pac Blackout | t Tool Bag | AX3561 |
| | | |
| Model specific sp | ecifications | |
| Size mm – w/d/h | 380x205x380 (560 with handle up) | |
| Weight (empty) | 3.25kg | |
| Storage/pockets | tool pocket pane tablet pocket (11 | kets; V-Swap™ removable I system; Includes rear x9") & 2 padded meter nal panels are available and |
| Max. Payload | 14kg | |
| Internal volume | 12L | |
| S/S Tape clip | \checkmark | |
| 'Hang-up' hook | ✓ accessible whi | le open and closed |
| Plus | 8" Electrical Tape | e Strap |

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.



Tech Pac MC Blackout

TOOL BAG

The Tech Pac Blackout is a blacked-out tool backpack for tool storage based on our Tech Pac but with Veto Pro Pac's V-Swap™ system that comes with front and back removable tool and meter pocket panels which are also exchangeable.

Note: This bag comes with the tool and meter panel. You do not have to select any panels for the bag to come with the tool and meter panels though you may purchase additional panels to offer a variety of configurations. Visit website for further details.

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

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| Description | | Part No. |
|-------------------|---|--|
| Tech Pac MC Blac | kout Tool Bag | AX3582 |
| Model specific sp | ecifications | |
| Size mm – w/d/h | 330x250x495 (560 |) with handle up) |
| Weight (empty) | 5.5kg | |
| Storage/pockets | tool pockets of var (Front Side) Desigr ity; Swap-Out Tool Tool Panels are rer ble; Laptop Panel (must be purchase | ets: 46 interior and exterior rious sizes; Upper Pockets ned For Extra Tool Capac- I Panels- Front and Back movable and exchangea- Available as an accessory ed separately) 2 Storage Platforms; Manifold Gauge Pocket |
| Max. Payload | 23kg | |
| Internal volume | 25L | |
| D-Rings | 4 large and 5 sma | I |
| S/S Tape clip | \checkmark | |
| Plus | 8" Electrical Tape | Strap |



Tech MCT Blackout

WITH TOOL & METER PANELS

The Tech-MCT Blackout Tool Bag comes with Veto Pro Pac's V-Swap™ **removable and exchangeable** Tool and Meter Panels. To customize your panel choices from the start (instead of the tool and meter panels), click the Build-Out circle below and visit the Tech-MCT Blackout Build-out page.

Note: This bag comes with the tool and meter panel. You do not have to select any panels below for the bag to come with the tool and meter panels though you may purchase additional panels to offer a variety of configurations. Visit website for further details.

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | | Part No. |
|---|-----------------------------------|--|
| Tech MCT Blackout with Tool & Meter Panels | | AX3600 |
| | | |
| Model specific sp | pecifications | |
| Size mm – w/d/h | 305x215x355 (| 430 with handle up) |
| Weight (empty) | 5.5kg | |
| Storage/pockets | sizes; Neopren Holds over 50 l | terior pockets of varying e Pockets for Meters/Testers; nand tools; Includes tool & Iternate V-Swap™ panels old separately |
| Max. Payload | 16kg | |
| Internal volume | 13L | |
| D-Rings | 4 large and 5 s | mall |
| S/S Tape clip | 1 | |



TP-XD Blackout

TOOL POUCH

The TP-XD Blackout is a one-sided, closable, compact-sized tool pouch featuring Veto Pro Pac's proprietary V-Swap[™] system, enabling job specific customization. The larger capacity and zippered cover of the TP-XD Blackout provide greater weather and dust protection for techs needing a compact bag for service calls requiring just the right amount of tools.

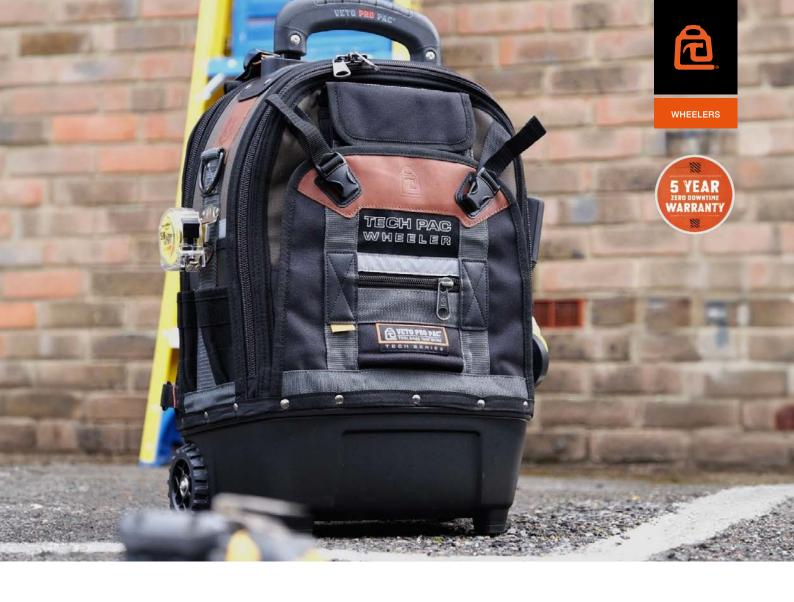
• The TP-XD Blackout comes with a Front Tool Panel, Tool Panel and 2 & 4 bit panels.

| Description | Part No. |
|-------------------|---|
| TP-XD Blackout | AX3630 |
| | |
| Model specific sp | Decifications |
| Size mm – w/d/h | 280x200x340 (530 with handle up) |
| Weight (empty) | 3kg |
| Storage/pockets | Tactical all-black construction; 7 external tool pockets; Backside tablet pocket; V-Swap™ removable tool pocket panel system; up to 24 internal pockets, Magnetic screw catcher |
| Max. Payload | 14kg |
| Internal volume | 25L |
| 'Hang-up' hook | \checkmark accessible while open and closed |
| | |

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

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Tech Pac Wheeler

WHEELED TOOL BAG

The Tech Pac Wheeler is a rolling version of the best-selling Tech Pac backpack tool bag. Featuring additional volume capacity & Veto Pro Pac's proprietary V-Swap[™] system that offers the back meter panel to be swapped out with optional laptop or bulk storage panels (both sold separately), the Tech Pac Wheeler provides a versatile tool transport system functioning as both a wheeled and backpack tool bag.

- Optional & stowable backpack shoulder harness
- Thermoformed cushioned EVA back pad

| 355x280x530 (610 with handle up) | |
|--|--|
| 7kg | |
| Tactical all-black construction; 7 external tool pockets; Backside tablet pocket; V-Swap™ removable tool pocket panel system; up to 24 internal pockets, Quick release metal hasp supports load & allows easy access to rear storage bay Magnetic screw catcher | |
| | |
| | |
| | |
| | |

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

Information correct at time of going to press.

Photo credit: @epicveto



Tech XL Wheeler

WHEELED TOOL BAG

The Tech-XL Wheeler is a rolling version of the tried and true Tech-XL tool bag. Featuring additional volume capacity and Veto Pro Pac's proprietary V-Swap™ system, the bag comes with innovative V-Swap™ removable Tool (mandatory) and Meter pocket panels to allow for customization.

Note: The Tool panel must remain inside the bag. The Meter panel is easily swapped out with optional Laptop and Bulk Storage panels, (sold separately).

- Waterproof Polypropylene plastic base with integral 5"(13cm) wheels and trolley system
- Thermoformed protective backside with hinged rub rails

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK[®] Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

Photo credit: Brian Silva @hvacr_mech_life

| | | Photo | credit: | @epicveto |
|--|--|-------|---------|-----------|
|--|--|-------|---------|-----------|

| Description | Part No. |
|-------------------------|--|
| Tech XL Wheeler | AX3618 |
| | |
| Model specific sp | pecifications |
| Size mm – w/d/h | 510x320x480 (570 with handle up) |
| Weight (empty) | 8kg |
| Storage/pockets | Interior grey pockets for better visibility. Large front & back zippered storage bays keep tools safe & secure; 85 interior and exterior tool pockets of varying sizes; Front tool panel includes removable sub-panels for interior cus- tomization and storing of larger tools; Magnetic screw catchers |
| Max. Payload | 45kg |
| Internal volume Plus | 41L 8" Electrical Tape Strap |



Tech LCT Wheeler

WHEELED TOOL BAG

The Tech-LCT Wheeler is a rolling version of the tried and true Tech-LC tool bag, but with an extra 2 inches of vertical height for storing longer tools.

- Waterproof Polypropylene plastic base with integral 5"(13cm) wheels and trolley system
- Thermoformed protective backside with hinged rub rails

| Description | | Part No. |
|-------------------|---|--|
| Tech LCT Wheeler | Tool Bag | AX3647 |
| | | |
| Model specific sp | pecifications | |
| Size mm – w/d/h | 430x320x530 (6 | 20 with handle up) |
| Weight (empty) | 8.6kg | |
| Storage/pockets | front & back zipp safe & secure; 61 pockets of varyin able tool pocket tool panels availa tool panel include | kets for better visibility. Large ered storage bays keep tools interior and exterior tool g sizes; V-SWAP™ remov- banel system with alternate ble & sold separately; Front is removable sub-panels for tion and storing of larger tools |
| Max. Payload | 41kg | |
| Internal volume | 39L | |
| Plus | 8" Electrical Tape | e Strap |

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK[®] Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.



EDC PAC LCB Olive

EVERYDAY BACKPACK TOOL BAG

Designed as an everyday carry backpack. Just like the Tech Pac, the EDC PAC LCB is built with durability and stability in mind. Open compartment perfect for supplies, gear and other everyday essentials. A separate semi-rigid zippered compartment at the top is designed for protecting sunglasses or safety glasses. Two additional zippered front pockets offer several organizational compartments.In back is a dedicated laptop compartment with a padded sleeve that can accommodate 15" laptops and some 17" laptops.

- Available in two colours Olive and Carbon
- Waterproof Polypropylene plastic base with integral 5"(13cm) wheels and trolley system
- Trolly handle pass-through

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK® Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | Part No. |
|-------------------|----------|
| EDC PAC LCB Olive | AX3656 |

Model specific specifications

| Size mm – w/d/h | 510x320x480 (570 with handle up) |
|-----------------|---|
| Weight (empty) | 8kg |
| Storage/pockets | 36 interior and exterior pockets; Expandable side pockets for water bottles and other items; Separate padded laptop compart- ment with tablet sleeve |
| Max. Payload | 45kg |
| Internal volume | 41L |
| D-Rings | Multiple D-Ring lashing points and Molle loops |
| Plus | 8" Electrical Tape Strap |

Information correct at time of going to press

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EDC PAC LCB Carbon

EVERYDAY BACKPACK TOOL BAG

Designed as an everyday carry backpack. Just like the Tech Pac, the EDC PAC LCB is built with durability and stability in mind. Open compartment perfect for supplies, gear and other everyday essentials. A separate semi-rigid zippered compartment at the top is designed for protecting sunglasses or safety glasses. Two additional zippered front pockets offer several organizational compartments.In back is a dedicated laptop compartment with a padded sleeve that can accommodate 15" laptops and some 17" laptops.

- Available in two colours Olive and Carbon
- Waterproof Polypropylene plastic base with integral 5"(13cm) wheels and trolley system
- Trolly handle pass-through

Rugged materials & construction

Waterproof base: 3mm Injection molded Polypropylene. Weatherproof body fabric: 950 and 1250 PVC Impregnated denier fabric. Weatherproof tool pocket fabric: 1800 PVC Impregnated denier fabric, Quick release metal hasp: Easy access to rear storage bay and creates positive shoulder strap load connection. Handle: Injection molded nylon plastic with over-molded rubber grip. YKK[®] Zips: Double stitched, heavy duty plastic coil zips with oversized zip tabs. Press studs: 6 zinc, marine grade. D-Rings: Powder coated steel. Rivets: Gun metal/marine grade rivets. Stitching: Industrial strength double nylon stitching.

| Description | Part No. |
|--------------------|----------|
| EDC PAC LCB Carbon | AX3655 |

Model specific specifications

| Size mm – w/d/h | 510x320x480 (570 with handle up) |
|-----------------|---|
| Weight (empty) | 8kg |
| Storage/pockets | 36 interior and exterior pockets; Expandable side pockets for water bottles and other items; Separate padded laptop compart- ment with tablet sleeve |
| Max. Payload | 45kg |
| Internal volume | 41L |
| D-Rings | Multiple D-Ring lashing points and Molle loops |
| Plus | 8" Electrical Tape Strap |

Servicing & Calibration

FOR OPTIMUM PERFORMANCE WHILST ADDING YEARS TO YOUR TOOLS

Here at JAVAC we understand the importance of regularly maintaining vacuum and refrigeration equipment. That is why we offer full servicing on all JAVAC products and many other brands of equipment. Our Service Technicians are also available to answer any questions.

Goods can be sent to JAVAC using the following repair/inspection product codes (speak to your wholesaler). You place an order and once JAVAC have tested the goods, JAVAC will come back to you with a quote for repair. The inspection charge will be waived.

If you go ahead with the repair or replace the equipment if we can't repair.

Services include...

PRESSURE CALIBRATION

Calibration of pressure gauges, comparison to traceable UKAS Standards. Maximum pressure 50 Bar. Including certificate.

LEAK DETECTOR CERTIFICATION

Will be tested to conform to F-Gas regulations including certificate.

VACUUM CALIBRATION

Calibration of vacuum gauges, comparison to traceable UKAS Standards.

Maximum vacuum 1 x10-3 Mbar, Including certificate.

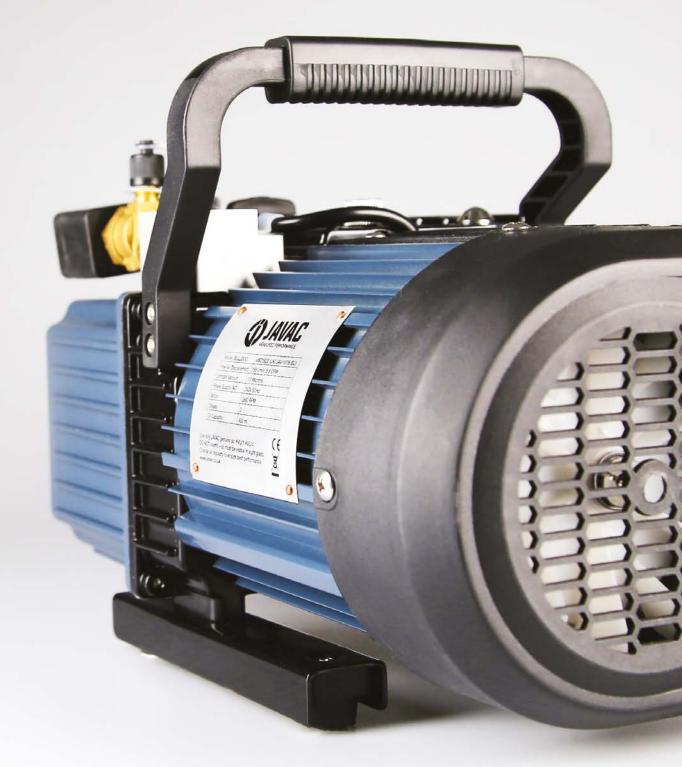
SCALE CALIBRATION

Calibration of scale platforms, comparison to UKAS traceable weights. Including certificate.

TEMPERATURE CALIBRATION

Calibration of Thermometers to National Standards including Certificate (certificate available on request).







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