

2021 | UK



Product Guide

Recovery, vacuum & service
equipment for the HVAC/R industry

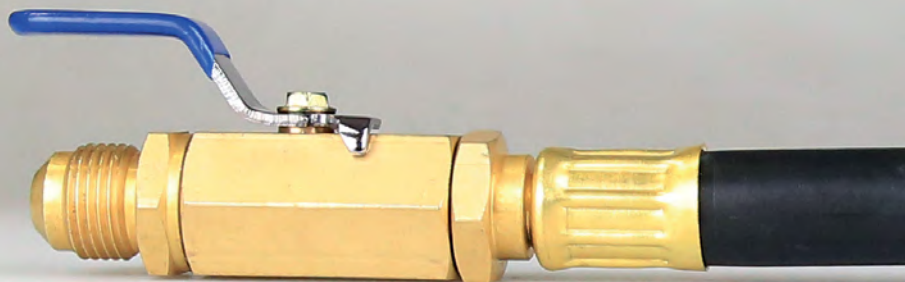




JAVAC has a proud heritage of supplying quality tools to the HVAC/R industry. For over 50 years our brand has stood for quality, reliability and service – making JAVAC one of the UK's most trusted names in HVAC/R service equipment.

As part of the Aspen Pumps Group we are now able to bring JAVAC to European customers for the first time and like all Aspen Pumps Group brands, our focus is on products which make the installer's life easier.

javac.co.uk



ASPEN
PUMPS
GROUP



Advanced 

 JAVAC



aspenpumps.com

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Key



Guarantee



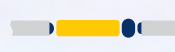
Service



Calibration
service



Injection



Charge inline



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

Refrigerant Recovery

Packed with unique features we explain what makes our recovery units stand out from the crowd.



Part no. XTRC2-A2L

Why choose JAVAC recovery units?

Future proof – A2L ready

All of our JAVAC Refrigerant Recovery units are A2L ready! Everything you need in a vacuum pump to handle today's mildly flammable refrigerants efficiently and safely.



Faster and lighter

Largest recovery rates on the market:
Liquid 216 kg/hr; Vapour 30 kg/hr; Push/pull 660 kg/hr
Our high torque AC motor, reduces noise and increases liquid pumping by up to 50%*. This ensures that the residual vapour moves faster and delivers your results quicker.
Oil-less lubrication compressor maximizes speed in both liquid and vapour recovery.
Lighter than competitors equivalents: 16 kg

X-Connect technology

An industry first, X-Connect technology protects the JAV-1061's vital components against incorrect voltage for example: 230V supply when switched to 115V.

Zero downtime

Purge and self cleaning can be completed while the system is running so there is no need to shut down.

Multi purpose recovery

Capable of recovering a range of CFC's, HCFC's, HFC's and A2L/R32 with blends of A & B variations of most of these gases.

Thoughtful design

All of our refrigerant recovery units include a comprehensive built in manifold. Ergonomic design makes the units easy to carry and transport.

Safety first

Additional features on our recovery units include cool to touch unit, refrigerant connections that point down away from your eyes, safety switches, thermal overloads, circuit breakers and convenient connection points all on one side of the unit. All of our products are CE certified.

A name you can trust

All of JAVAC's products are built to stringent standards for quality performance and strength.

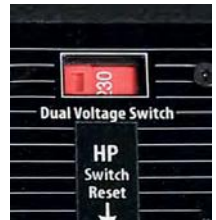
*based on 1/2 HP – 691082 (JAV-1061)



Protected switches, hard wired cables & circuit breakers



Safety first



Dual voltage

XTR-Altima A2L

Spark Proof Refrigerant Recovery Unit



XTR-Altima A2L

Part no. XTRC2-A2L

Suitable for R32, R1234YF plus all standard refrigerants.

Spark proof design: 5 m hard wired cable.

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 | 16 kg |
| Dimensions | 420 x 290 x 420 mm |



Hard wired



Protected switches & circuit breaker

XTR-Pro DV A2L

Spark Proof Dual Voltage Refrigerant Recovery Unit



XTR-Pro DV A2L

Part no. JAV-1061

Suitable for R32, R1234YF plus all standard refrigerants.

Spark proof design: 5 m hard wired cable.

Dual voltage – switch easily to 115 V* or 230 V.

Integrated circuit breaker protection.

X-Connect technology protects against incorrect voltage.

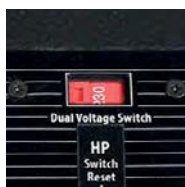
| | |
|-------------------|--|
| Suitability | R32, R1234YF, HFC/HCFC/CFC/A2L, Standard |
| Push/Pull (kg/hr) | 300 |
| Vapour (kg/hr) | 15 |
| Liquid (kg/hr) | 90 |
| Power supply | 115 V* or 230 V |
| Motor size | 1/2 HP |
| HP cut out | 500 psi (35 bar) |
| Compressor | Oil-less |
| Weight | 12 kg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



Hard wired



Protected switches & circuit breaker



* 115 V lead not included, available on request.

XTR-Ultra A2L

Spark Proof Refrigerant Recovery Unit



XTR-Ultra

Part no. XTR-ULTRA-A2L

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 | 8.4 kg |
| Dimensions | 320 x 220 x 260 mm |

HC-3 hydrocarbon

Refrigerant Recovery Unit

R32









HC-3 hydrocarbon

JAV-1032

- Liquid and vapour recovery with automatic changeover.
- Self-discharging and Hot Gas / Cool Gas discharge switch.
- Suitable for A3 and A2L hydrocarbon refrigerants used on domestic, commercial and automotive refrigeration and air conditioning equipment.
- High efficiency heat exchanger and inlet oil separator with drain facility.
- Sealed automatic safety high and low-pressure switches with illuminated indicators.
- Manual low-pressure override switch.
- ATEX rated cooling fans.
- Robust painted steel casework.
- 5m hard wired mains lead with moulded plug.
- Available in 230v 50Hz and 110v 50Hz versions.

| | |
|------------------|--|
| Part Number | Caresaver -110v = HC3 Recovery Unit 110v |
| | Caresaver - 240v = HC3 Recovery unit 240v |
| 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 | 21 kg |
| Dimensions | 470 x 235 x 335 mm |

HC-AIR fan

Ventilation module



HC-AIR Fan Ventilation Module

JAV-1033

The HC-AIR fan module is an essential service accessory used when transferring hydrocarbon refrigerants.

ATEX approved, high efficiency, electronically commutated motor.

5m 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.

No maintenance.

| | |
|----------------------------|--------------------|
| Airflow | 700 m³ /h |
| Power supply | 230 V 50Hz |
| Power Absorbed | 25W |
| Fuse Protection | 3A |
| Ambient temperature rating | -20°C to 55°C |
| Weight | 6.48 kg |
| Dimensions | 300 x 220 x 380 mm |

A2L kit round up

JAVAC | **JAVAC**
EDGE



JAV-1061 XTR-Pro DV A2L, page 7



Part no. VBD1622 Bulldog A2L DV, page 14



718-202-G21

GAS-Mate® leak detector ATEX, page 28



Part no. JAV-CA04218 R32 bottle adaptor, page 85



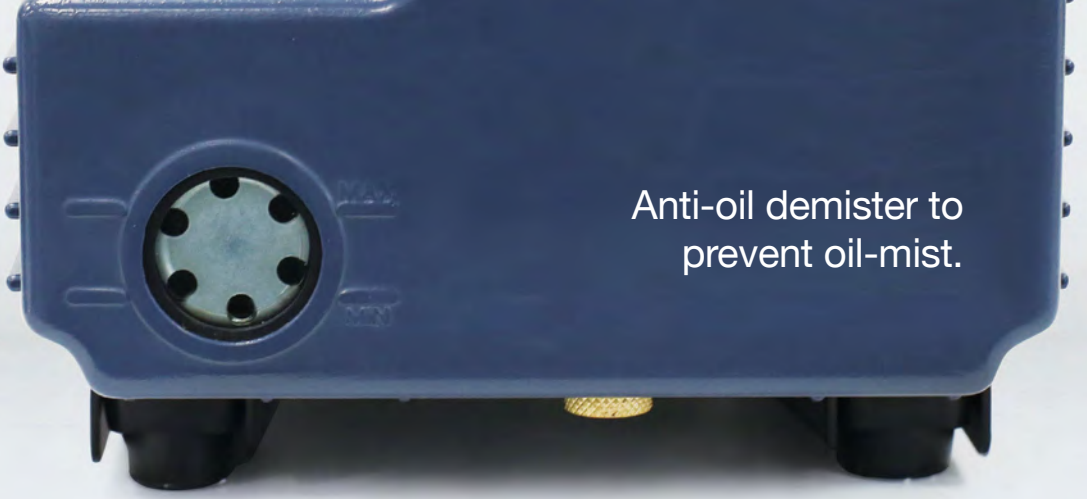
R410A / R32 manifold, page 50

Vacuum pumps

Practically designed and built for the toughest of environments.



Part no. CC-141-A2L, CC A2L Series Vacuum Pump



Anti-oil demister to prevent oil-mist.

Part no. VBD1622 , Bulldog A2L Vacuum Pump

Future proof

Everything you need in a vacuum pump to handle today's mildly flammable refrigerants efficiently and safely.



Reliability

In the event of power loss, our **isolation solenoid valve*** means long vacuums are now protected. Saving you hours of work and having to do the vacuum all over again.

Competitor vacuum pumps can exhaust oil up into the air resulting in an oil-mist landing on yours and your customers equipment, a messy and inconvenience you do not need.

Our **anti-oil demister** prevents this by recycling the oil and keeping it within the vacuum pump. Clean and tidy job every time.

Double stage oil sealed

Dual connector versatility†

The unique dual connector offers two hose fittings designed to cover a range of application capabilities:

- 1/4" fitting for standard gases
- 3/8" fitting for heavy duty hoses.

Solid and robust

The stocky design of the Bulldog A2L keeps this vacuum pump well grounded, making it very hard to wobble and tip over. Reassuring to know oil-spills are avoided when transporting and positioning.



Spark proof power switch, lead and circuit breaker*



Isolation solenoid valve to prevent vacuum loss*



* VBD1622 Bulldog Vacuum Pump only

† CC Series Vacuum Pumps only

Bulldog A2L DV

Spark proof vacuum pump



Bulldog A2L DV

Part no. VBD1622

Spark proof design: 5 m hard wired cable

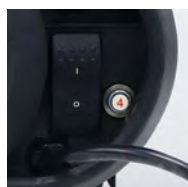
Dual voltage – switch easily to 115 V* or 230 V

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.



Spark proof design



Anti-oil demister
to prevent oil-mist



Intake fittings

| | |
|-----------------------|-----------------------------------|
| Suitability | All standard and A2L applications |
| Stage | Double |
| Ultimate vacuum | 15 Microns |
| Free air displacement | 156 l/m (5.5 CFM) |
| Power supply | 115* / 240 V 50Hz |
| Motor size | 2880 rpm |
| Power cord | 5 m, Glanded |
| Oil capacity | 450 ml |
| Intake fittings | 1/4", 5/16", 3/8" SAE |
| Weight | 12.5 kg |
| Dimensions | 338 x 212 x 238 mm |

* 115 V lead not included, available on request.

CC Series A2L

Spark proof dual voltage vacuum pumps



CC SERIES A2L

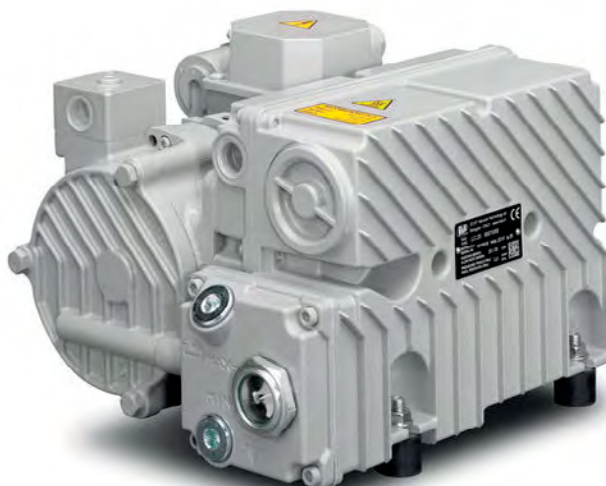
High performance A2L range
Sparkproof switches.
Hard wired 5m Lead.
Dual Voltage.
Solenoid valve.
Easy Access oil drain.



| Model / Part No. | CC-31-A2L | CC-141-A2L | CC-141AMM | CC-231-A2L | CC-231AMM |
|----------------------------------|-----------------------------------|-----------------|-----------|-----------------|-----------|
| Suitability | All | | Ammonia | All | Ammonia |
| | All standard and A2L applications | | | | |
| Specification | | | | | |
| Stage | Double | | | | |
| CFM | 1.4 | 5.3 | | 9 | |
| Ultimate vacuum (microns) | 15 | | | | |
| Free air displacement (CFM, l/m) | 1.4/40 | 5.3/151 | | 8.9/251 | |
| Power supply | Dual voltage 110/240 V 50Hz | | | | |
| Motor size HP | | 1/3 | | 2/3 | |
| Power cord connection to pump | IEC | | | | |
| Oil capacity (ml) | 140 | 540 | | 620 | |
| Intake fittings | 1/4 SAE, 3/8 SAE and 1/2 ACME | | | | |
| Weight (kg) | 4.5 | 11 | | 14.8 | |
| Dimensions (mm) | 265 x 105 x 220 | 348 x 140 x 272 | | 380 x 160 x 285 | |

LC25

Industrial vacuum pump



LC25 Industrial vacuum pump

Part no. LC25-1

For use on all large commercial chillers and multi compressor packs to significantly reduce evacuation time.High film strength. Minimal oil carry-over.

| | |
|----------------------------------|--------------------------|
| Suitability | All (Non H/C & A2L) |
| Stage | 2 |
| CFM | 15 |
| Ultimate vacuum (mbar) | 0.5 mbar |
| Free air displacement (CFM, l/m) | 15/666 |
| Power supply | 240 V |
| Motor size | 0.75 KW |
| Power cord | Wired |
| Oil capacity (ml) | 1000 |
| Intake fittings | Inlet 1/2"G or 3/8 flare |
| Weight | 25 kg |
| Dimensions | 356x280x212 mm |

Oils, Gauges



Universal vacuum pump oil 1L & 4L

Designed for rotary vane vacuum pumps.

Maximises performance and increases depth of vacuum.

Contains additives to improve the anti wear performance, oxidation resistance, corrosion protection, pour point (cold starting), air release and anti foaming tendencies.

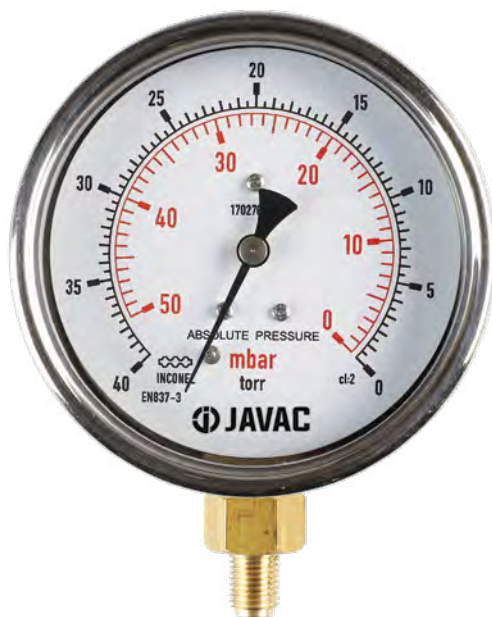
Low lacquer and carbon forming tendency ensuring cleaner systems.

Excellent corrosion resistance.

Improved sealing and mechanical efficiency.

High film strength. Minimal oil carry-over.

| Part No. | Size |
|-------------------------|------|
| HV68/1J | 1 L |
| HV68/4J | 4 L |



Torr gauge [Part no. CR2-40](#)

JAVAC Absolute Vacuum Gauge

Stainless Steel construction

Blow out plug for over pressure protection
(available as a spare [Part no. CR2-PLUG](#))

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



VG64

Digital vacuum gauge



VG64 Digital vacuum gauge

Part no. VG-64

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

Reads vacuum in seven international units.

Magnetic strap.

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.

| | |
|-----------------------------|--|
| 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 temperature 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) |

Digital vacuum gauge



Digital vacuum gauge

Part no. JAV-1041

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

Small and mighty. Pocket size, measuring only 110 mm tall.

Automatic oil sensor.

'Calibration self-check' function tells the user when and if re-calibration is necessary.

Instantaneous warm-up and response time.

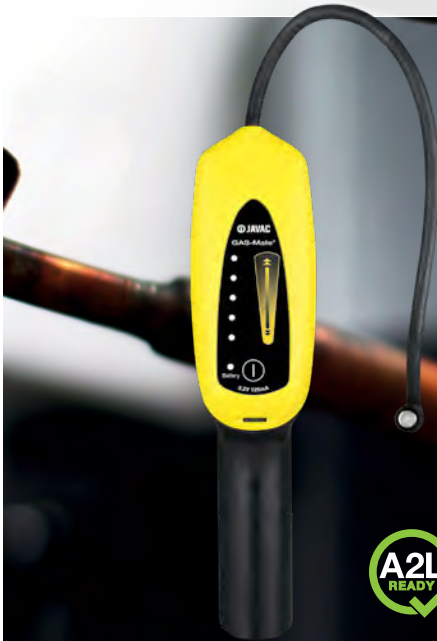
'Leak Rate Indicator' and 'Programmable Productivity' functions (Evacuation and Rise-Time Analysis) – saving you time by automating the work.

45 degree bend 1/4 flare female connector connects directly onto the system allowing for a more accurate reading.

| | |
|----------------------|---|
| Range | 0 - 25,000 Microns (3330 Pa, 33.30 mBar, 25 mmHg) |
| Accuracy | ± (5% of Reading + 5 Microns) |
| Resolution | 1 Micron (0.1 Pa, 0.001 mBar, 0.001 mmHg) |
| Units | Microns, Pa, mBar, mmHg, Torr |
| Warm-up Time | Instant |
| Response Time | Instant |
| Power | 2 X 'AAA' Alkaline Batteries. up to 100 hours |
| Operating temp | -12°C - 50°C |
| Maximum Overpressure | 500 PSI (34.5 Bar) |
| Dimensions | 110 x 33 x 25 mm |
| Weight | 77 g including batteries |

Leak Detection

Losing refrigerant? Find the source quickly.



Electronic Leak Detection

Why electronic?

- ✓ Detect leaks in open, easier to access spaces
- ✓ Audio & visual alarms.
- ✓ Unique digital leak size indicator takes the guesswork out of whether or not to repair a small leak
- ✓ Grab and go. Hand held convenience.
- ✓ Quick warm up time with instant results.
- ✓ Automatic calibration and reset to ambient levels.
- ✓ Adjustable sensitivity levels.
- ✓ Battery operated. 20 hours continuous.
- ✓ CE certified.

Ease of use



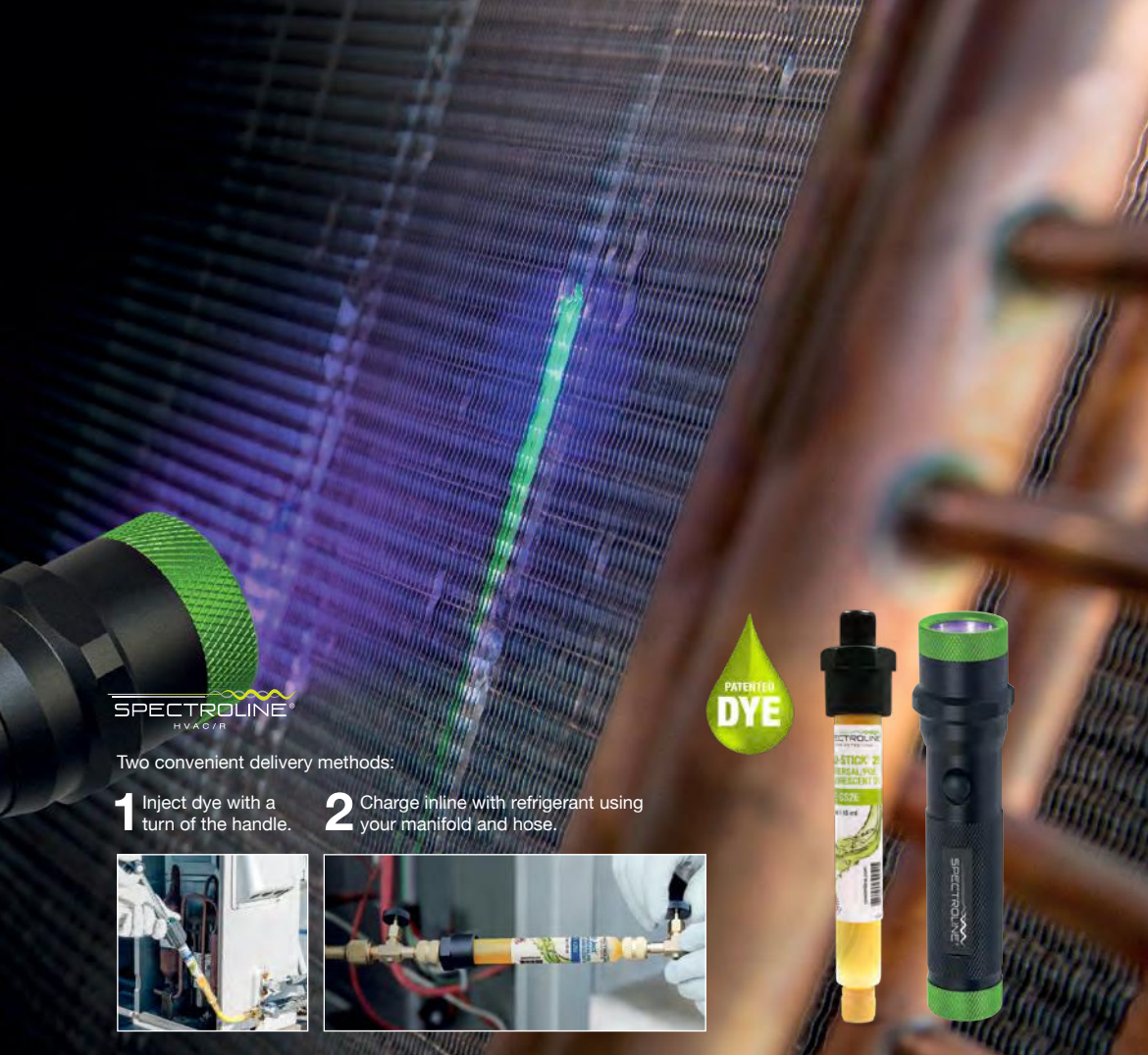
Turn on. The detector automatically starts heating the sensor.



Warm up is usually less than 10 seconds



Run the sensor tip slowly across your HVAC system. Once a leak is detected, a visual or alarm will sound.



SPECTROLITE®
HVAC/R

Two convenient delivery methods:

1 Inject dye with a turn of the handle.

2 Charge inline with refrigerant using your manifold and hose.



Fluorescent Leak Detection Dye and Additives

Why system dye?

- ✓ Quickly find the exact source of each & every leak. Even in the most awkward of places.
- ✓ Spectrolite® dyes glow brighter than the competition.
- ✓ Easily implemented into a comprehensive preventative maintenance program.
- ✓ Dyes and sealants are fully compatible with ALL popular refrigerants and oils.
- ✓ All injector assemblies easily overcome system pressure, including high-pressure R-410A systems.
- ✓ Co-solvent free. Dyes will not impair lubricant properties.
- ✓ All dyes are NSF certified.



Ease of use



- Add dye to the system & let it circulate.
- Charge inline with refrigerant **or**
- Inject dye with a turn of the handle.



- Scan system with a Spectrolite leak detection lamp and see any leaks glow brightly. Up to 8 meters away!



- Dye continues circulating in the system working for you around the clock, 24/7 to quickly identify any future leaks. Once in, always on.

Trusted by more
HVAC/R OEMs than
any other brand...



D-TEK 3[®]

Refrigerant gas leak detector



D-TEK[®] 3 leak detector

Part no. JAV-1283 (721-202-G1)

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 |

TEK-Check[®] reference leak

Part no. 703-080-G10

Verifies the functionality of your leak detector.
R134A reference leak.
5g of refrigerant.
Leak rate 5-9 grams per year at 20 Deg C.
Easy to store.



TEK-Mate®

Refrigerant gas leak detector



TEK-Mate® leak detector

Part no. 705-202-G21

F-GAS Compliant, tested to BSEN14624.

Controls soft touch switch-off, low sensitivity, high sensitivity.

Contamination adjustment - automatic.

R22: 2g / yr.

R410A: 5g / yr.

| | |
|-------------------|---|
| Sensitivity | CFCs, HCFCs, HFCs 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 |

| Suggested spares | Part No. |
|---------------------------|------------|
| Filter for TEK-Mate | 705-600-G1 |
| Spare sensor for TEK-Mate | 703-020-G1 |

D-TEK-CO2[®]

Leak detector



D-TEK-CO2[®] leak detector

Part no. 716-202-G5

Low risk of false alarms because it equalises to the CO₂ present in the air.

Consistent and accurate responses - infrared cell does not weaken over time.

Will not react to smoke, humidity, airflow or temperature changes.

Quick 'zeroing' from high efficiency air sampling.

On-board diagnostics indicate charging status and warn of low battery or infrared cell failure.

NiMH power stick won't corrode and provides greater charging capacity.

| | |
|-------------------|--|
| Sensitivity | 6gm/yr sensitivity |
| Sensor technology | Infrared |
| Power | 12 V and AC adapter. Rechargeable, NiMH power sticks |
| Battery life | 6.5 hours |
| Display | Visual LED |
| Weight | 540g |

D-TEK-Stratus®

Refrigerant leak detector



D-TEK-Stratus® Leak Detector

Part no. 724-202-G11

Worlds first hand-held cloud hunting leak detector with LCD readout!

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 and 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

| Product | Part No. |
|---|----------------------------|
| Car Charger, D-TEK Stratus | 721-605-G1 |
| Wall Charger, D-TEK Stratus | 721-606-G1 |
| D-TEK Select replacement probe cap | 712-705-G1 |
| Carrying Case, D-TEK Stratus | 724-700-G1 |
| | |
| Spares | Part No. |
| Refrigerant Sensor, D-TEK Stratus (Detects CFCs, HCFCs, HFCs, HFOs, and blends (including A2Ls)) | 724-701-G1 |
| CO2 Sensor, D-TEK Stratus | 724-701-G2 |
| Filter cartridges, set of 5 | 712-707-G1 |

| | |
|-------------------------|--|
| 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 |

Whisper[®]

Vacuum / nitrogen ultrasonic leak detector



Whisper[®]

Part no. 711-202-G1

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 |

GAS-Mate®

Leak detector



GAS-Mate® leak detector Hydrocarbon & TRACE-A-GAS™ compatible, ATEX approved

Part no. 718-202-G21

For R32 and all standard refrigerants and hydrocarbons.

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.

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.

ATEX approved.

Compatible with

TRACE-A-GAS™

| | |
|-------------------|---|
| Sensitivity | 5ppm methane |
| Sensor technology | Surface reaction |
| Power | 2 D-size 1.5 Volt Alkaline Batteries |
| Battery life | 16 hours |
| Display | Multiple LEDs, variable intensity audio alarm indicates leak strength |
| Weight | 700g |

| | |
|------------------|-------------------|
| Suggested spares | Part No. |
| Sensor | 706-700-G1 |

G1 Gas Check

Leak detector



G1 Gas Check leak detector

Part no. **GASCHECKG1**

New and advanced gas leak detector which uses an advanced micro-thermal conductivity sensor.

Rapidly detects almost any known gas or gas mixture - particularly sensitive to helium, hydrogen, ammonia, argon, butane & SF6.

Conveniently calibrated against helium.

Improved 'Micro Thermal Conductivity Sensor' for enhanced sensitivity.

Reliable, stable and repeatable readings.

| | |
|-----------------------------|---|
| Sensitivity | Any known gas or gas mixture - particularly sensitive to ammonia, argon, butane, helium, hydrogen, SF6 |
| Sensor technology | Micro thermal conductivity |
| Units | cc/sec, g/yr, mg/m3, ppm |
| Operating temperature range | -20°F to 122°F -27°C to 50°C |
| Power | Rechargeable, NiMH power sticks |
| Battery life | Typically 40 hours |
| Display | LCD back lit display |
| Weight | 0.45kg |

EZ-Ject™

Injection

SPECTROLINE®
HVAC/R



JAV-1154



JAV-1155



JAV-1210EZ-25



JAV-1211EZ-50

EZ-Ject fluorescent dye injection kit

JAV-1154 (SPE-EZ100E-CS)

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)

2 x 15 ml EZ-Ject Universal/POE dye cartridges

1 x Dye injector assembly

1 x 20 cm hose assembly with low-loss fitting & check valve

1 x R-410A adapter



Inject dye with a turn of the handle.

EZ-Ject cartridge

JAV-1155 (SPE-EZ5E-CS)

1 x 15 ml universal/POE dye cartridge

| Cartridge size | Treats (lubricant / refrigerant) |
|----------------|----------------------------------|
| 15 ml | up to 7.6 L up to 11.3 kg |

20 cm hose assembly with low-loss fitting & check valve **JAV-1210EZ-25**

Dye injector assembly **JAV-1211EZ-50**

Trusted by more HVAC/R OEMs than any other brand...



Glo-Stick®

Charge Inline

SPECTROLINE®
HVAC/R



JAV-1161 (6 pack JAV-1157)



JAV-1162 (6 pack JAV-1158)



JAV-1163 (6 pack JAV-1159)



JAV-1164 (6 pack JAV-1160)



Glo-Stick fluorescent dye capsules

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.

101E JAV-1161

(SPE-GS101E-CS)

6 pack JAV-1157

2E JAV-1163

(SPE-GS2E-CS)

6 pack JAV-1159

1E JAV-1162

(SPE-GS1E-CS)

6 pack JAV-1158

3E JAV-1164

(SPE-GS3E-CS)

6 pack JAV-1160

| Part No. | Cartridge size | Treats (lubricant / refrigerant) | |
|----------|----------------|----------------------------------|---------------|
| JAV-1161 | 0.89 ml | up to 445 ml | up to 1.3 kg |
| JAV-1162 | 15 ml | 445 ml – 1.5 L | 1.4 – 2.2 kg |
| JAV-1163 | 15 ml | 1.6 – 3 L | 2.3 – 4.5 kg |
| JAV-1164 | 15 ml | 3.1 – 7.6 L | 4.6 – 11.3 kg |



Charge inline with refrigerant



1/4" connections built in

Trusted by more HVAC/R OEMs than any other brand...



BigEZ™

Injection

SPECTROLINE®
HVAC/R



JAV-1166



JAV-1168



BigEZ fluorescent dye injection kit

JAV-1166 (SPE-BE400E-CS)

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)

- 1 x 118 ml BigEZ Universal/POE dye cartridge
- 1 x Dye injector assembly
- 1 x 20 cm hose assembly with low-loss fitting & check valve

BigEZ

JAV-1168 (SPE-BE5E-4CS)

| Dose | Treats (lubricant / refrigerant) | |
|--------|----------------------------------|--------------|
| 118 ml | up to 61 L | up to 181 kg |



Inject dye with a turn of the handle.

Trusted by more HVAC/R OEMs than any other brand...



BigEZ™

Injection

SPECTROLINE®
HVAC/R

M-L

NSF



JAV-1167



JAV-1120

BigEZ fluorescent dye cartridges

JAV-1167 (SPE-BEZ2E-4P3)

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.

| Part No. | Dose | Treats (lubricant / refrigerant) |
|----------------------|--------|----------------------------------|
| JAV-1167 (pack of 3) | 118 ml | up to 38 L up to 118 kg |

BigEZ injector assembly

JAV-1120 (BEZ50)



Inject dye with a turn of the handle.



Trusted by more HVAC/R OEMs than any other brand...



Violet light LED

Fluorescent leak detection lamp



Violet light LED leak detection lamp

JAV-1176 (SPE-HVL-CS)

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.

- 1 x Violet Light LED Leak Detection Lamp
- 3 x AAA batteries
- 1 x Fluorescence enhancing glasses

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



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

EZ-Ject™

Complete Kit - Injection

SPECTROLINE®
HVAC/R



EZ-Ject complete leak detection kit

JAV-1156 (SPE-HVLEZE)

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)

| Dose | Treats (lubricant / refrigerant) | |
|-------|----------------------------------|---------------|
| 15 ml | up to 7.6 L | up to 11.3 kg |

- 2 x 15 ml EZ-Ject Universal/POE dye cartridges
- 1 x Dye injector assembly
- 1 x 20 cm hose assembly with low-loss fitting & check valve
- 1 x R-410A adapter
- 1 x Violet light LED leak detection lamp
- 1 x Fluorescence-enhancing glasses
- 1 x 60 ml GLO-AWAY Plus+ dye cleaner
- 3 x Drip plugs; Service labels



Inject dye with a turn of the handle.

Trusted by more HVAC/R OEMs than any other brand...



Glo-Stick®

Complete Kit - Charge Inline

SPECTROLINE®
HVAC/R



Glo-Stick complete leak detection kit

JAV-1165 (SPE-HVLGSE)

Convenient, mess-free, single-dose capsules. Inject dye while charging with refrigerant, or when connecting from the high side to the low side. Spectroline dyes glow brighter than the competition.

Available in 4 sizes/concentrations to match the capacity of the system.

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

| Product | Dose | Treats (lubricant / refrigerant) | |
|---------|--------|----------------------------------|---------------|
| 1E | 118 ml | 445 ml – 1.5 L | 1.4 – 2.2 kg |
| 2E | 118 ml | 1.6 – 3 L | 2.3 – 4.5 kg |
| 3E | 118 ml | 3.1 – 7.6 L | 4.6 – 11.3 kg |



Charge inline with refrigerant



1/4" connections built in

Trusted by more HVAC/R OEMs than any other brand...



Complete Kit - Injection



BigEZ complete leak detection kit

JAV-1169 (SPE-HVLBEZE)

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.

Spectrolines 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)

| Dose | Treats (lubricant / refrigerant) | |
|--------|----------------------------------|--------------|
| 118 ml | up to 61 L | up to 181 kg |

- 1 x 118 ml BigEZ universal/POE dye cartridges
- 1 x dye injector assembly
- 1 x 20 cm hose assembly with low-loss fitting
& check valve
- 1 x R-410A adapter
- 1 x Violet light LED leak detection lamp
- 1 x Fluorescence-enhancing glasses
- 1 x 60 ml GLO-AWAY Plus+ dye cleaner
- 3 x Drip plugs; Service labels



Inject dye with a turn of the handle.

Trusted by more HVAC/R OEMs than any other brand...



Cool Seal™

Injection

SPECTROLINE®
HVAC/R



JAV-1106



JAV-1103



JAV-1111

Cool Seal A/C leak sealer injection kit

JAV-1106 (CS-100CS)

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.

2 x 15ml Cool Seal A/C leak sealer cartridges
1 x Injector assembly
1 x 20 cm hose assembly with low-loss fitting & check valve
1 x R-410A adapter; service labels

Cool Seal cartridge for JAV-1106, 1 x 15 ml

JAV-1103 (CS-1CS)

Cool Seal, 1 x 60 ml

JAV-1111 (CS-2CS)

| Dose | Treats (cooling) |
|-------|------------------|
| 15 ml | up to 14 kw |
| 60 ml | up to 56 kw |



Inject dye with a turn of the handle.

Trusted by more HVAC/R OEMs than any other brand...



Cool Seal™

Charge Inline

SPECTROLINE®
HVAC/R



JAV-1106

Cool Seal A/C leak sealer capsule

JAV-1140 (CS-3CS)

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 70).

Requires bleed valves for injection.

1 x 15ml Cool Seal A/C leak sealer cartridge

| Dose | Treats (cooling) |
|-------|------------------|
| 15 ml | up to 14 kw |



Charge inline with refrigerant



1/4" connections built in

Trusted by more HVAC/R OEMs than any other brand...



AR-GLO® 5E

Pour direct into system



JAV-1171

JAV-1170

AR-GLO, 473 ml

JAV-1171 (SPE-AG5E-16)

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 and 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.

AR-GLO, 60ml

JAV-1170 (SPE-AG5E-2P6)

6 x 60 ml bottles

| Dose | Treats (POE refrigerant oil) |
|------|------------------------------|
| 7 ml | up to 4.5 L |

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

Trusted by more HVAC/R OEMs than any other brand...



WATER-GLO® 802

Pour direct into system



WATER-GLO 802

JAV-1137 (WATER-GLO 802-P)

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, and fittings.

Ideal for use as part of a diagnostic/preventive maintenance program.

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

Trusted by more HVAC/R OEMs than any other brand...



Acid Buster™

Injection



JAV-1129



JAV-1119

Acid-Buster Acid scavenging solution injection kit JAV-1129 (AB-100CS)

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.

- 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

| Dose | Treats (oil) |
|-------|--------------|
| 15 ml | up to 946 ml |

Acid-Buster Acid scavenging solution cartridge JAV-1119 (AB-5CS)

Trusted by more HVAC/R OEMs than any other brand...



Accessories

Leak detection

SPECTROLINE®
HVAC/R



JAV-1172

GLO-AWAY PLUS+ Fluorescent dye cleaner

JAV-1172 (128484)

New 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.

1 x 60 ml GLO-AWAY Plus+ spray bottle



JAV-1131



JAV-1121

Fluorescence enhancing glasses

JAV-1131 (UVS-40)

Carrying case

JAV-1121 (CC-130)

Trusted by more HVAC/R OEMs than any other brand...



Procharge 100

Refrigerant Charging Scale



Procharge 100 Refrigerant Charging scale

Part no. G58610



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

Wey-TEK[®]

Scale



Wey-TEK scale

Part no. 713-202-G1

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

| | |
|-----------------------|---|
| Type | 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 |

Wey-TEK HD[®]

Wireless Scale



Wey-TEK HD Wireless scale

Part no. 719-202-G1

The world's 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 app's 'JOB LOG' feature keeps track and stores your data which can then be emailed or taken as a 'Snapshot'.

| | |
|-----------------------|--------------------------------|
| Type | 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 |

Wey-TEK HD wireless hand piece

Part no. 719-715-G1

Can be used in Lieu of smartphone via Bluetooth transmission

Large vivid colour display is easy to read, even in direct sunlight

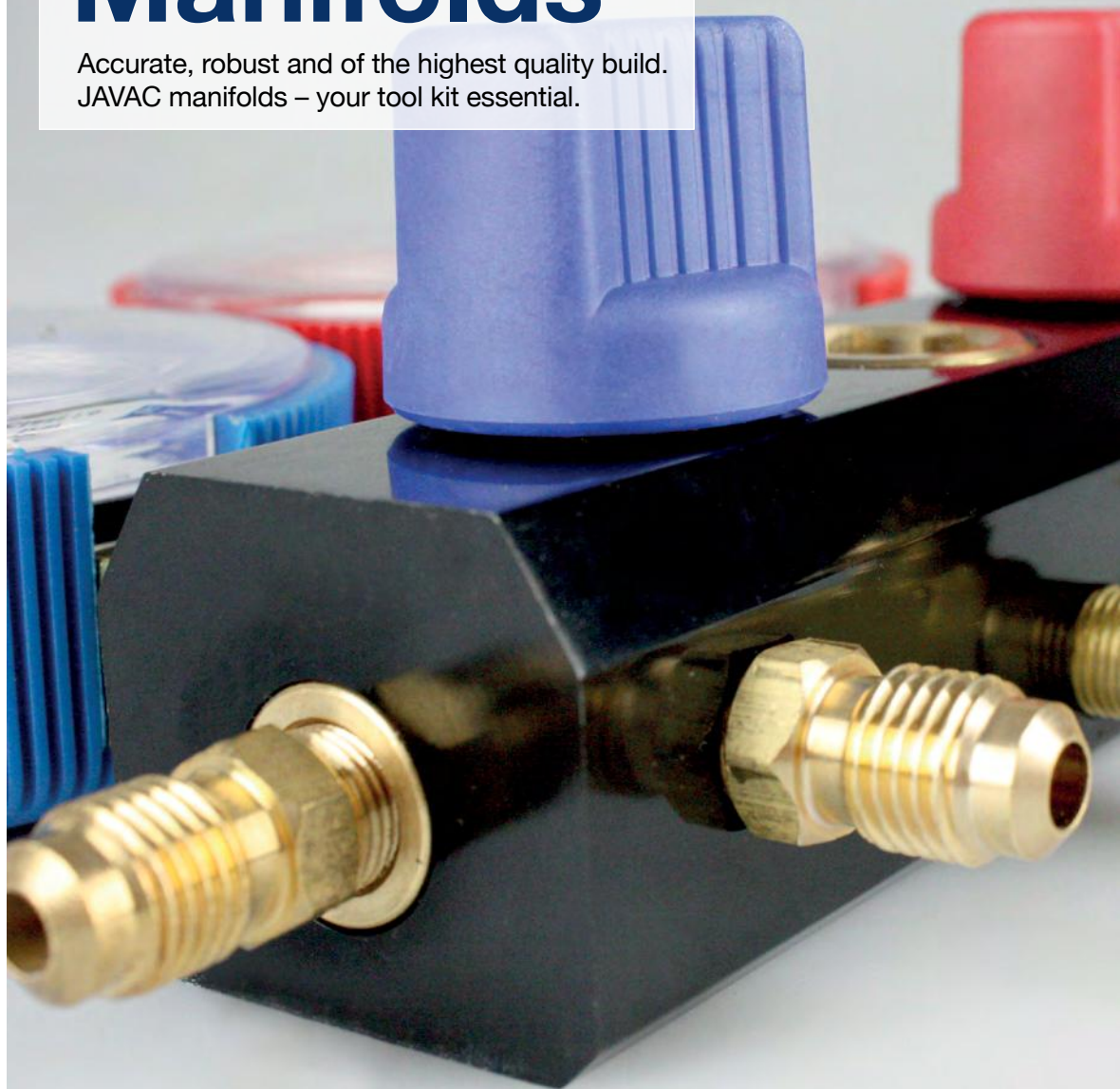
Auto shut-off 20mins and screen dimming

Magnet on hand piece for placing on a tank or nearby system



Manifolds

Accurate, robust and of the highest quality build.
JAVAC manifolds – your tool kit essential.





Forged aluminium body
– durable & lightweight

Built to the highest of standards

All JAVAC Manifolds are built to EN-837-T3, Pressure Equipment directive standards and built with engineer in mind.



Accurate and quick application

¼ turn control valves for fast operation and increased refrigerant flow.

Anti flutter pointer ensures an precise reading every time.
Class 1 (1% accuracy).

Designed to take the pressure

Robust and easy to use with 80 mm gauge heads, either dual seal piston or ¼ turn mechanical valves. Forged aluminium body – durable & lightweight.

All JAVAC manifolds are built with long life Teflon seals, and larger capacity bore for maximum flow. Manifold sets include Continental® hoses as standard.



You choose

From replacement gauges to the full manifold kit with hoses, we have a manifold for you.



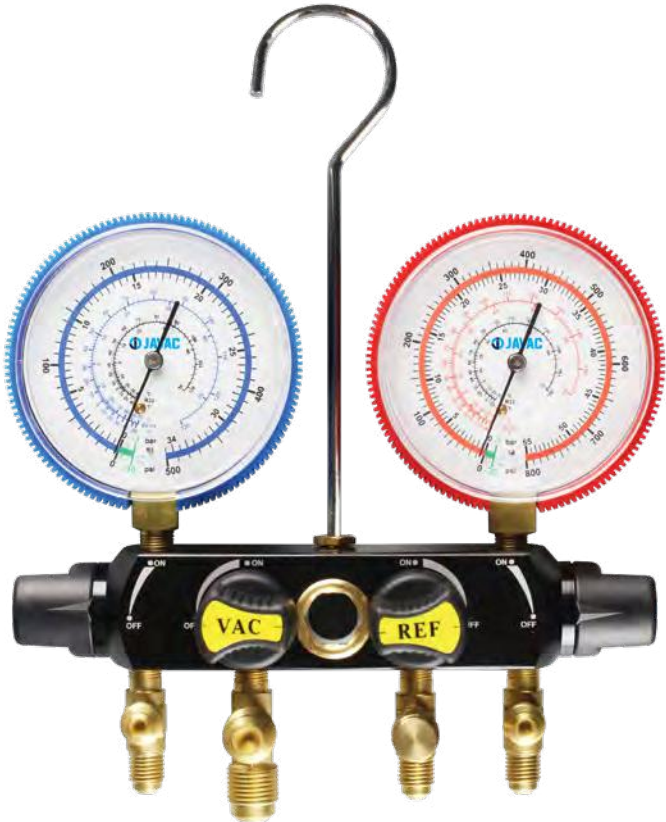
Anti flutter pointer



¼ turn control valves and sight glass (EN-837-T3 standards)

R410A / R32

Manifolds



R410A / R32 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 & lightweight.
- 80 mm gauge heads with rubber protection surround.
- Long life rubber seals.
- Robust carry case with laser cut foam protection and manual.



All in one box

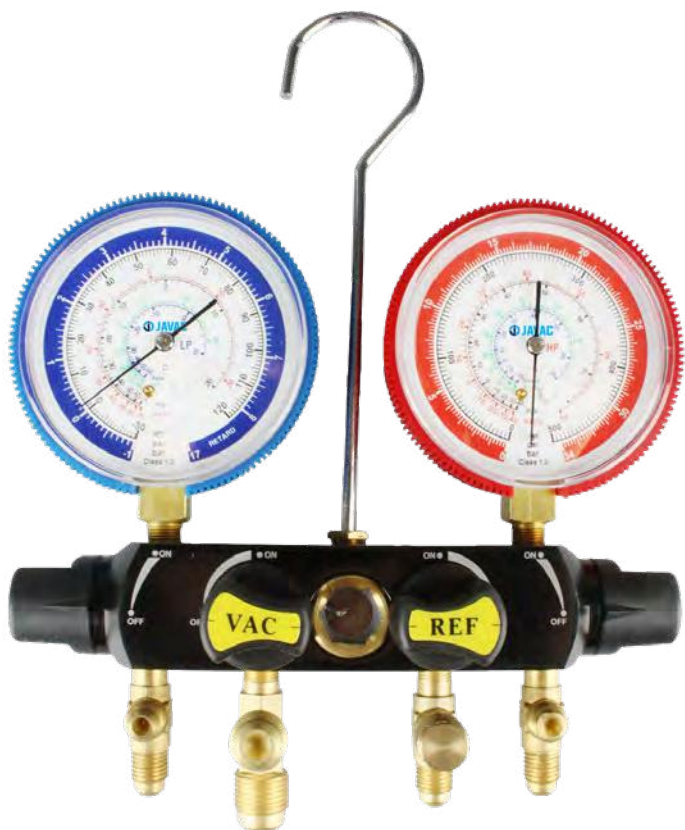


1/4 turn control valves and sight glass

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

Multi gas

R134A, R22, R404A, R407C Manifolds



Multi Gas Manifolds

¼ 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 & lightweight.

80 mm gauge heads with rubber protection surround.

Long life rubber seals.

Robust carry case with laser cut foam protection and manual.



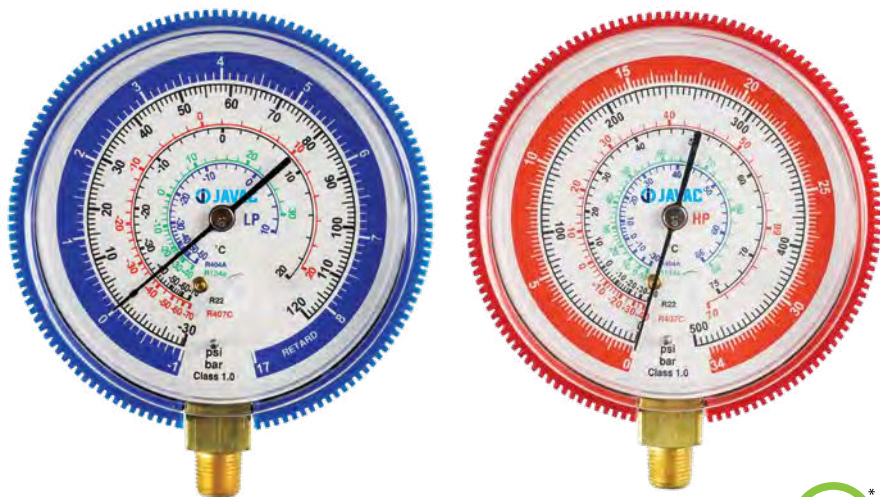
All in one box



Anti flutter pointer

| Product | Sight Glass | ¼ turn | Piston Style | Hoses | Hard Case | Part No. |
|--------------------------|-------------|--------|--------------|-------|-----------|-------------------------|
| 4 Valve | ✓ | ✓ | – | ✓ | ✓ | EL75372 |
| 2 Valve | ✓ | ✓ | – | ✓ | ✓ | EL84372 |
| 2 Valve | – | – | ✓ | ✓ | ✓ | EL64372 |
| 4 Valve | ✓ | ✓ | – | – | – | EL75300 |
| 2 Valve | ✓ | – | ✓ | – | – | EL74300 |
| R134A, R22, R404A, R407C | | | | | | |

Pressure gauges



80mm HP / LP Pressure gauges

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

| Product | 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 |



Anti flutter pointer

Leak detection kit round up

JAVAC

SPECTROLINE®
HVAC/R

S-M



JAV-1156 EZ-Ject Complete leak detection kit, page 34

S-M



JAV-1140 Cool Seal CS3
A/C leak sealer, page 38



EL33021 Ball Valves, page 85

**A2L
READY**



JAV-1283 D-Tek® 3, page 22 – Coming soon!

**A2L
READY**



Part no. 718-202-G21 GAS-Mate, page 27

Refrigerant hose

Stainless steel



R32



Supahose stainless steel refrigerant hoses

Flexible PTFE lining surrounded by a braided stainless steel wire.
Maximum working pressure of 260 bar.
Temperature Range: up to +260 °C.
R22, R134A, R404A, R407C.
1/4" SAE Connection.

| Length | Part No. |
|----------------|------------------------|
| 12" (30.5 cm) | 120404 |
| 15" (38 cm) | 150404 |
| 18" (46 cm) | 180404 |
| 24" (61 cm) | 240404 |
| 30" (76 cm) | 300404 |
| 36" (91.5 cm) | 360404 |
| 48" (122 cm) | 480404 |
| 60" (152.5 cm) | 600404 |
| 78" (198 cm) | 780404 |

Safe Seal

Charging hoses



Charging hoses, Safe Seal

72" hose (183cm), Suitable for standard refrigerants.

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.

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.

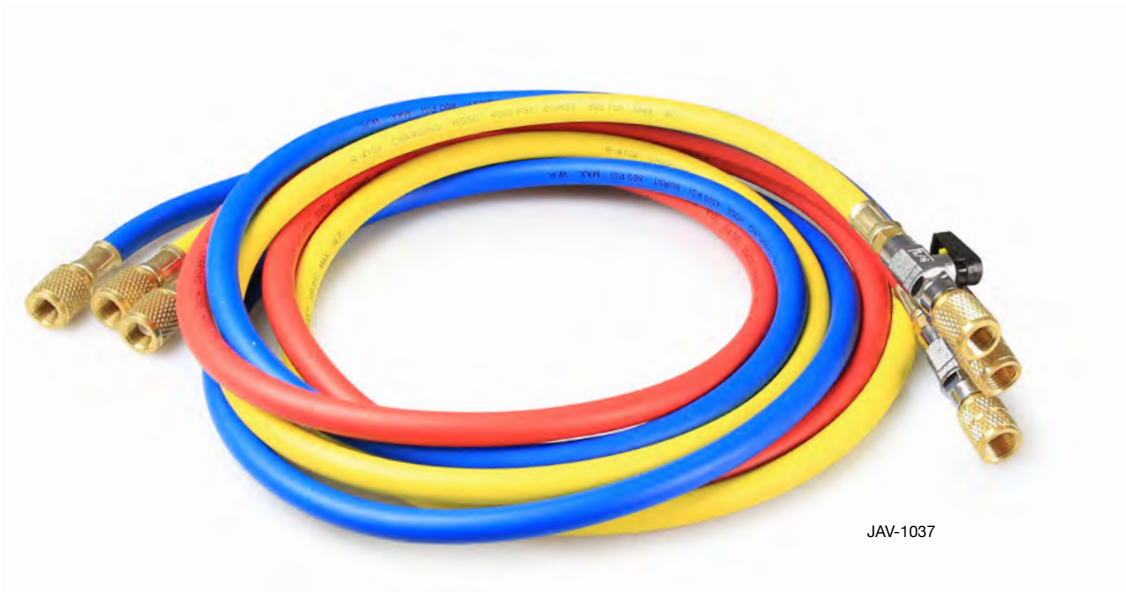


Safety Swivel. One-touch design

| 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 |

Hose Set 72" (x3)

JAVAC Refrigerant Hose Sets



JAV-1037

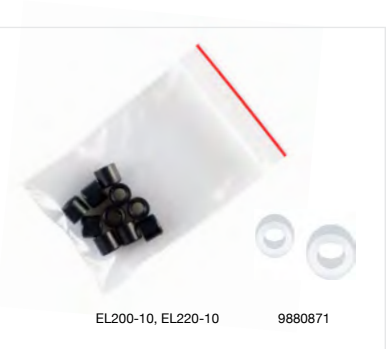
JAVAC Refrigerant hose set 72" (x3)

Available in 5/16" and 1/4" connections.
Standard and Ball Valve options.
Teflon gaskets

| Suitability | Length | Fitting | Part No. |
|-------------|--------|-------------------------|--------------------------|
| R410A/R32 | 72" | 5/16" x 1/4" Ball valve | JAV-1037 |
| Multigas | 72" | 1/4" x 1/4" Ball valve | JAV-1038 |
| Multigas | 72" | 1/4" x 1/4" Standard | JAV-1039 |

Hose gaskets 1/4" & 5/16"

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



Refrigerant Hose



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.

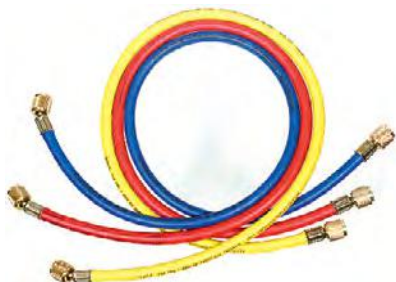
| Product | Fitting | Part No. |
|-------------|------------------------------------|-------------------------|
| 1/2"- 20UNF | 1/4 x 5/16" | 9884095 |
| 1/2"-20UNF | Ball valve set back 1/4 x 5/16" | 4666522 |
| 1/2-20 UNF | Standard Ball Valve 1/4 x 5/16" | 4682519 |



Single charging line 1/4", (x1)

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

| | | 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 Suitability standard refrigerants.

Working pressure 60 BAR / 870 PSI.

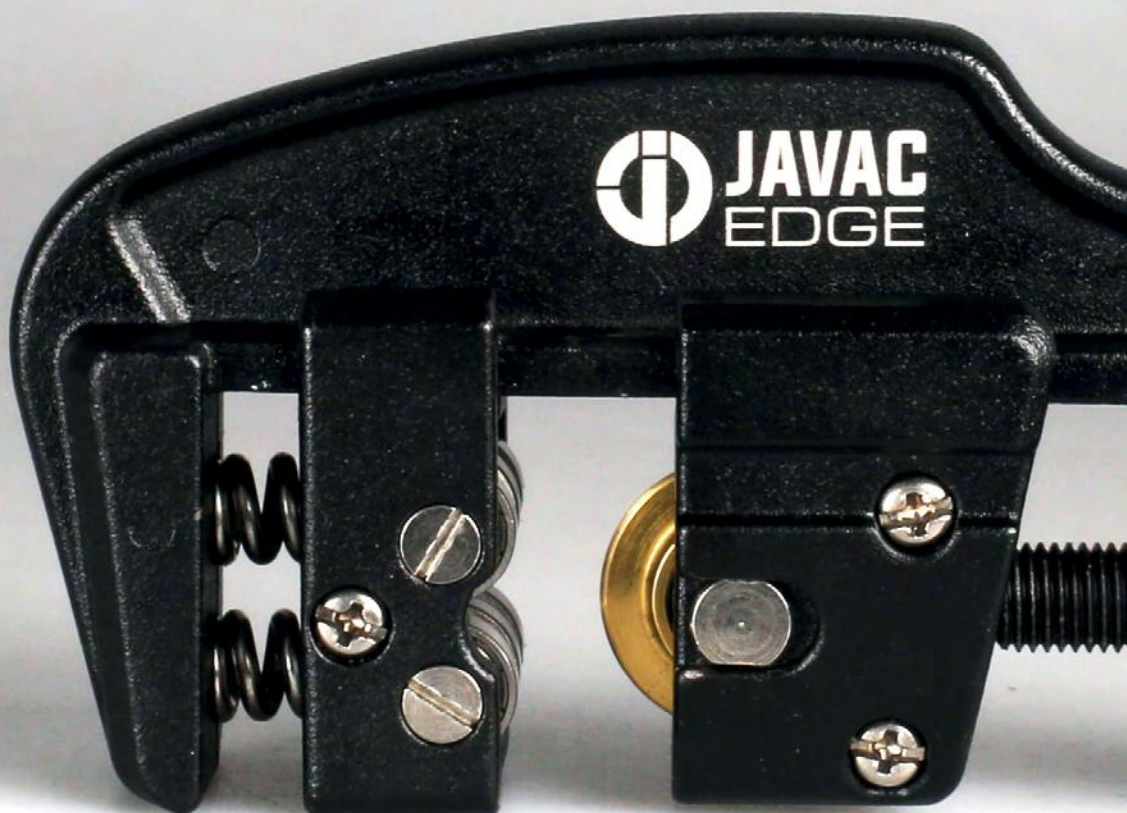
| Product | Length | Qty per pack | Part No. |
|---------|--------------|--------------|-------------------------|
| CCL-36 | 36" (90 cm) | 3 | 9881278 |
| CCL-48 | 48" (120 cm) | 3 | 9881277 |
| CCL-60 | 60" (150 cm) | 3 | 9881276 |
| CCL-72 | 72" (180 cm) | 3 | 9881275 |



Tube tools

A range of premium hand tools designed to make the job that little bit easier.

All JAVAC Edge tools are tough & durable, constructed with lightweight high-grade aluminium.



*  **PATENTED
DESIGN.**



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.



Dual Hinge Design*

Resets the handle position for extra leverage, making the second bend to 180° so simple.



90° Indicator feature*

Know when the tube has accurately reached a perfect 90° bend.



Reversing adaptors*

Bend pipe in all directions with ease - perfect for awkward spaces.



1/4" / 6 & 8 mm Expander Head*

Makes small to large pipework joining installations a breeze.



Smart Spring Design*

Automatic cutting: Spring pressure advances the blade when cutting, so there is no need to re-tighten the cutter.

Smooth cutting: The blade will adjust to the shape of the tube, creating a smooth cutting motion.

Tube expander set

Multi Size



Tube expander set multi size

JAV-1025

Patented 1/4" / 6 mm Expander Head makes small to large pipework joining installations a breeze.

Hard plastic carry case.

| Size | 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, 22 mm | JAV-1187 |



1/4" / 6mm Expander Head

Expander heads only

Six blade heads for precision and consistency.

| Size | Part No. |
|--------|--------------------------|
| 1/4" | JAV-1081 |
| 1/2" | JAV-1080 |
| 3/4" | JAV-1082 |
| 3/8" | JAV-1083 |
| 5/8" | JAV-1084 |
| 7/8" | JAV-1085 |
| 1" | JAV-1088 |
| 1-1/8" | JAV-1086 |
| 1-3/8" | JAV-1054 |
| 1-5/8" | JAV-1055 |

Hard drawn copper must be heated prior to use

Tube bender set

Multi Size



Tube bender set multi size

JAV-1021 / JAV-1183

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.

| Size O.D. | 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, 22 mm | JAV-1183 |

mm : coming soon



90° Indicator



Reverse bending adapter

Not to be used on Hard drawn copper

Tube benders

Multi Size



Tube benders

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

Not to be used on Hard drawn copper.

| Size O.D. | Part No. |
|-----------|--------------------------|
| 3/8" | JAV-1016 |
| 1/2" | JAV-1017 |
| 5/8" | JAV-1018 |
| 3/4" | JAV-1019 |
| 7/8" | JAV-1020 |



Dual hinge design

Tube straightener

Multi Size



Tube straighteners

Accurately straightens light wall tube from coil.

Straighten what you need – less material wastage.

Accelerated flow for better efficiencies from straighter pipe.

Rollers spiral along the tube to straighten and strengthen the tube.

Create radius tube bends using the central hole.

| Size O.D. | Part No. |
|-----------|---------------------------|
| 1/4" | JAV-TST14 |
| 3/8" | JAV-TST38 |
| 1/2" | JAV-TST12 |
| 5/8" | JAV-TST58 |



Eccentric flaring



Eccentric flaring tool

JAV-1024

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.



Tube positioning plate

Size O.D.

Part No.

7 sizes:

3/16" 1/4", 5/16", 3/8", **JAV-1024**
1/2", 5/8", 3/4"

Flare size gauge

JAV-1022

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



2-in-1 flaring & swaging



2-in-1 flaring and swaging tool

JAV-1023

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.

| Size | Part No. |
|---|-----------------|
| 6 sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" | JAV-1023 |



Hard drawn copper must be heated prior to use

Dual clutch flaring



Dual clutch eccentric flaring tool

JAV-1034

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

Lightweight aluminium body and superior steel core.

Removeable handles featuring female hex attachment

Hard plastic carry case.



Tube positioning plate

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

Tube cutters



JAV-1015

JAV-1010

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

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.

Smooth cutting. The blade will adjust to the shape of the tube, creating a smooth cutting motion.



Smart Spring Design



JAV-1011: 2-in-1

| 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

Tube tools



Tube expander set JAV-1000B

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.

Hard drawn copper must be heated prior to use.



Expander heads

Free floating and self centering.

Fits with the JAVAC Tube Expander Set JAV-1000B.

| Size | Part No. | Size | 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 |



Deburring Tool JAV-1087



1/4" - 1-5/8" inside / outside reamer

Part No. [CT-209](#)

Tube tools



3-in-1 Tube Benders

To bend 1/4", 5/16", 3/8" O.D. tubing.
Not to be used on Hard drawn copper

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



Tube benders

Robust lever type tube bender.
Hard Drawn copper must be heated prior to use.

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

Crossbow bender JAV-404-L

One handed operation to precisely bend soft drawn copper pipe.

Formers include 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.

Not to be used on Hard drawn copper

Spring type tube benders

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

Tube tools



Hydraulic tube bender HB-85

Double hydraulic circuit means effortless operation with smooth, accurate bends.

Bends pipe: 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8

For use only with soft drawn copper.

Die-cast aluminium body and stainless steel pump.

Adjustable pump lever according to hand size protection.

Hard plastic carry case.



Flaring and swaging kit JAV-275-K

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.



Eccentric flaring tool JAV-806B

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.

Tube tools



JTC-16



JTC-30



JTC-35



JTC-42

Includes inbuilt de-burring tool and spare cutting wheel

Tube cutters

Strong titanium blade.

Cuts soft and hard drawn copper easily.

Integrated copper tube reamer.

Robust solid steel construction and smooth turn bearing rollers.

Large easy turn hand wheel.

| Size | Part No. |
|---|---------------|
| 1/8 – 5/8" Includes inbuilt de-burring tool and spare cutting wheel | JTC-16 |
| 1/8 – 1-1/8" | JTC-30 |
| 1/8 – 1-3/8" | JTC-35 |
| 1/8 – 1-5/8" Includes inbuilt de-burring tool and spare cutting wheel | JTC-42 |

Oxy-acetylene brazing & welding tool kit



Tool kit contains F23220001

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

Bottle Trolley*

Part no. 9431380

Oxygen and Acetylene
Bottle Trolley 5 & 10L

*Sold seperately



Compatible with

BRAZE-A-GAS®



Oxygen
regulator

Acetylene
regulator



Flashback arrestors



Brazing Torch
and Mixer



Pistol Grip Spark
Lighter



Flip Up Brazing
Goggles



Lightweight nozzles



Cylinder spanner



Multi head spanner



Pair of 5 m Hoses



Nozzle Cleaning Set

Brazing kit parts



Single stage oxygen & acetylene regulators

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

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



Oxygen and acetylene flashback arrestors

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

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

Brazing kit parts



L/WT shank and mixer for oxygen and acetylene

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



L/WT nozzles

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



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 |



Spark lighters

| Product | Part No. |
|---------------------|-------------------------------|
| Cup spark lighter | 54800003001BP |
| Pistol grip lighter | 9430830-1PC |



Nozzle cleaning kit

| | |
|----------|-------------------------|
| Part No. | 9430860 |
|----------|-------------------------|



Cylinder bottle spanner

| | |
|----------|-------------------------|
| Part No. | 9431290 |
|----------|-------------------------|



Front flip goggles

| | |
|----------|--------------------------|
| Part No. | 17007220 |
|----------|--------------------------|

Flexi torch

Brazing & soldering torch



Flexi torch JAV-1004

Trigger start ignition.

Flexible 205 mm stainless steel burner tube.

Access hard to reach places.

Tube stays cool throughout use.

Swirl flame.

For use with MAPP & Propane.

800 – 1300°C.



S2 Brazing rods JAV-S2

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

• 1 kg Pack. 500 mm long • Made in the UK



Fusion Dual & Olympus

Brazing & soldering torch



Fusion Dual FD2

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



Olympus OLY2

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

Heat Shield

Heat blocking compound



Heat Shield, Heat blocking compound

JAV-1002

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.

| | |
|------------|------------|
| Size | 92 x 67 mm |
| Net Weight | 325 g |



Coming
Spring 2021

Maxy Flame Kit

Oxygen/Maxy Gas welding & brazing kit



*Gas cartridges **NOT** included. Shown for visual purposes only.

Maxy Flame Kit JAV-1264

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.

Maxy Gas Cartridge

Part no. S050011*

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

Advanced



Oxygen/Maxy Gas welding & brazing 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



Nitrogen Regulator

50 Bar (OFN)



Nitrogen Regulator 50 Bar (OFN)

RS-750

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.

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

Nitrogen Rig

Pressure testing



Nitrogen pressure testing rig

RS-750-RIG

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.

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

PVR Set

Nitrogen pressure and vacuum manifold set



PVR nitrogen pressure and vacuum manifold set

Part no. PVR SET

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.

| Part No. | PVR SET |
|------------|--|
| In the box | 1x PVR Manifold 2x 2 m Stainless Steel braided, 1/4" connection hoses 1x 72" Yellow vacuum hose 1x 1/4" x 5/16" adaptor to suit R410A systems 1x 1/4" x 3/8" vacuum hose adaptor 1x Manifold hook for easy use Instruction Manual Hard plastic carry case |

Nitrogen

Pressure testing



10 Bar (OFN) nitrogen regulator

Part no. RS-150

Single stage regulators.

Built to the latest BS EN ISO 2503 standards to provide maximum accuracy and safety.

Forge Brass Body.

Internal Safety Valve.

63mm Dual Scale Safety Pressure Gauges.

Captive Pressure Adjusting Screw.

Max Outlet Pressure 10 Bar, SAE connection.



Nitrogen cylinder trolley

Part no. NIT02

Heavy duty cylinder trolley for the safe transportation of 10 L Nitrogen cylinders.

Solid rubber wheels.

Security chain.

Gas bottle not included

CO₂

Pressure testing



FR1304-E20



FR1308-4R-E20



FR4312-E25



4687894

CO₂ sub and trans critical manifolds

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.

| Product | Type | Part No. |
|-------------------|----------------|-------------------------------|
| CO2 2 valve | Sub critical | FR1304-E20 |
| CO2 4 valve | Sub critical | FR1308-4R-E20 |
| Refco CO2 2 valve | Sub critical | 4687894 |
| CO2 2 valve | Trans critical | FR4312-E25 |



CO₂ liquid / vapour charging rig

Part no. [JAV-2000-144](#)

A complete CO₂ trans critical charging rig.

Including: 300 bar maximum inlet pressure

Liquid CO₂ Charging connector

1/4" 2m High Pressure hose

1/4" SAE female flare outlet, for direct connection to system

Direct connection to CO₂ cylinder

| | |
|------------|--|
| In the box | 1 x 2m CO ₂ hose 2 x anti-whip cables 1 x shut-off ball valve with CO ₂ bottle connector |
|------------|--|

Digital thermometers



Digital alarm thermometer

Part no. RT-905

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

| | |
|-------------------|---------------------------|
| 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

Part no. EM310C

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

| | |
|-------------------|----------------------------|
| DC voltage | 1000V \pm (1%+2) |
| AC voltage | 750V \pm (1.2%+5) |
| DC current | 20A / 200A / 1000A |
| Resistance | 200 / 2K \pm (1%+3) |
| Temperature range | -40°C ~ 750°C \pm (1%+3) |

Digital thermometers



Thermo-anemometer

Part no. EM20

Min/Max.
Data hold.
Back light.
Auto power off.
Low battery indicator.
Hard case included.

| | |
|------------------------|---|
| 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) |



Temperature and humidity meter

Part no. EM10

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

| | |
|------------------------|-------------------------------------|
| 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) |

Digital thermometers



Dual differential thermometer

Part no. EM60

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

| | |
|--------------------|--|
| 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 $\pm 2^\circ\text{F}$ ($\pm 0.1\%$ of Reading $\pm 1.4^\circ\text{F}$) J-Thermocouple $\pm 0.2\%$ of Reading 2°F ($\pm 0.1\%$ of Reading $\pm 1.4^\circ\text{F}$) |
| 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

Part no. EM30

Range: 100 rpm to 30,000 rpm.
Min / Max.
Data Hold.
Backlit LCD.
Auto power off.
Hard plastic carry case.

| | |
|------------------------|---|
| Temperature range | 14°F to 122°F (-10°C to 50°C) |
| Temperature resolution | 0.1°F (0.1°C) |
| Temperature accuracy | $\pm 1.8^\circ\text{F}$ ($\pm 1.0^\circ\text{C}$) |
| Humidity range | 0% to 99.9% RH |
| Humidity accuracy | 3% RH (5 to 95% RH) |
| Units | RPM, RPS |
| 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) |

Ancillaries



EL33021

EL33023



EL30035 / EL30036



JAV-CA04218

Ball valves and adaptors

| Product | 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 | EL30035 |
| Adaptor 5/16 to 1/4 for R410A | EL30036 |
| 10KG Cylinder Adaptor L/H R32 | JAV-CA04218 |



Valve core remover / installer

Part no. [EL41550](#)

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



S-209

SU-04

SU-05

Access valves and core tools

| Product | Part No. |
|------------------------------|-----------------------|
| Valve Core Removal Tool | S-209 |
| Schrader Valve 1/4" | SU-04 |
| Schrader Valve 5/16" – R410A | SU-05 |



REFCO can valve

Part no. [9881202](#)

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

Ancillaries



Charging oil pump

Part no. [JAV-1042](#)

The pump fits any size oil drum, bottle or container.

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

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.



Automotive couplers

1/4" SAE Hose Connection.

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



JAV-127-CO



JAV-127-C

Ratchet wrenches

| Product | 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 |

Ancillaries



Torque wrench kit

Part no. JAV-TW8

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



Inspection mirror

Part no. M-2

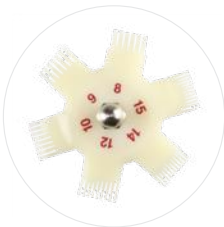
2" (50 mm) diameter mirror.
Mirror can be angled.
Telescopic action handle for those hard to reach places.



Fin comb

Part no. EL70925

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



Solenoid valve operating magnet

| Size | Part No. |
|-------|----------|
| 15 mm | SVOM-15 |
| 18 mm | SVOM-18 |

Tool bags that work

JAVAC are exclusive distributors of Veto Pro Pac® to HVAC/R market.



Designed for the HVAC/R technicians' tools and their working environment.

Maximised tool storage capacity

Including tablet pockets and over 50 interior/exterior pockets, you will never be short on space.

The toughest tool bag you'll ever own

Double stitched, heavy duty plastic coil zips with oversized zip tabs. Industrial strength double nylon stitching. D-Rings: Powder coated steel. Press studs: Zinc, marine grade. Rivets: Gun metal/marine grade rivets.

Rugged materials & construction

Waterproof base: 3mm Injection moulded Polypropylene 1800 – 1250 PVC. Weatherproof fabric: 950 and 1250 PVC Impregnated denier fabric. Handle: Injection moulded nylon plastic with over-moulded rubber grip.

Packed with extra features

Internally stored aluminium hook to hang bag. Adjustable padded shoulder straps. Padded EVA thermoformed, ergonomic back padding. Easy access to rear storage bay and creates positive shoulder strap load connection.

5 year warranty

Premium quality tool bags designed for the HVAC professional. All Veto Pro Pac® Tool bags carry a 5-year warranty.*



All features vary from model to model. Please see tech sheet. *Terms and conditions apply.

Tool bags

Veto Pro Pac®



AX3501
TECH PAC



NEW

AX3560
TECH PAC WHEELER

Veto Pro Pac tool bags

Designed for the HVAC/R technicians' tools and working environment. The toughest tool bag you'll ever own. Heavy duty fastenings and zips. Hinged ergonomic handles. Maximised tool storage capacity. Waterproof base (3 mm polypropylene). Weatherproof body fabric. (1800 PVC impregnated denier fabric). Gun metal / marine grade rivets. 5 year zero downtime warranty*.

| Part No. | Description | Width x depth x height (handle down) mm | Weight kg | Pockets |
|----------|------------------|---|-----------|---------|
| AX3500 | Tech LC | 241 x 342 x 483 (330) | 3.2 | 53 |
| AX3501 | Tech Pac | 251 x 362 x 546 (457) | 4 | 56 |
| AX3515 | Tech Pac Hi Viz | 251 x 362 x 546 (457) | 4 | 56 |
| AX3502 | Tech Pac LT | 216 x 356 x 483 | 3.3 | 27 |
| AX3503 | Tech XL | 241 x 419 x 527 | 4.2 | 80 |
| AX3506 | MC | 203 x 254 x 317.5 | 1.8 | 20 |
| AX3516 | Tech MC | 203 x 254 x 317.5 | 1.8 | 27 |
| AX3513 | Tech-MCT | 210 x 254 x 360 | 2.6 | 44 |
| AX3514 | Tech OT-MC | 254 x 292 x 203 | – | 28 |
| AX3509 | OT-LC | 241 x 343 x 305 | 3,5 | 36 |
| AX3518 | Tech Pac MC | 203 x 330 x 432 | 3.1 | 20 |
| AX3519 | Tech Pac MC-LT | 203 x 330 x 432 | 3.1 | 33 |
| AX3559 | Tech Pac Hi-Viz | 251 x 362 x 546 | 4 | 56 |
| AX3560 | Tech Pac Wheeler | 360 x 280 x 610 | 7 | 48 |

*Subject to terms & conditions.

Tool bags

Veto Pro Pac®



AX3521
MB3B



AX3501 TECH PAC



AX3502 TECH PAC LT



AX3513 TECH MCT



AX3500



AX3502



AX3503



AX3518



AX3519



AX3559

NEW



AX3506



AX3516



AX3513



AX3514



AX3509



AX3515



AX3560

Tool pouches

Veto Pro Pac®



AX3517
TP3B

Veto Pro Pac tool pouches

Small yet spacious, these clip-on bags are designed to hold a small selection of meters, analysers and repair tools.

Organise multiple job specific bags.

Heavy duty fastenings and clips.

Detachable rubber handles.

Nylon plastic connection clips.

Clips onto any model Veto tool bag's tape clip or D-Rings.

Weatherproof body fabric (600-1200 PVC impregnated denier fabric).

5 year zero downtime warranty*.

| Part No. | Description | Width x depth x height mm | Weight kg | Pockets |
|----------|-------------------------|------------------------------|--------------|---------|
| AX3504 | TP3 | 121 x 140 x 241 | 3,2 | 19 |
| AX3517 | TP3B | 114,3 x 177,8 x 279,4 | 0,69 | 15 |
| AX3505 | TP4 | 177 x 120 x 240 | 0,72 | 20 |
| AX3507 | MB Meter Tool Pouch | 76 x 203 x 229 | 0,9 | 10 |
| AX3508 | MB2 Meter Tool Pouch | 76 x 203 x 330 | 0,9 | 10 |
| AX3521 | MB3B | 370 x 280 x 160 | 2.15 | 11 |
| AX3522 | TP-XL | 400 x 330 x 150 | 2.1 | 31 |
| AX3576 | TP5B | 127 x 330 x 292 | 1.13 | 17 |

*Subject to terms & conditions.

Tool pouches

Veto Pro Pac®



693162
TP-XL



690594 TP3B



667762 MB Meter Tool Pouch



AX3521



AX3522



AX3576



AX3504



AX3517



AX3505



AX3507



AX3508

REFCO

Refmate Digital manifolds



Refmate 2 & 4 valve digital manifolds

- Instead of a touch display, the REFIMATE has sturdy, intuitive buttons and an easy-to-read colour display with an analogue pointer.
- Patented analogue display with pointers
- Superheat and subcool indicator
- High precision with class 0.5 accuracy
- Flexible power source (AA batteries or USB)
- Wireless communication with app and other devices
- Lockable for long-term measurements on construction sites
- 60" RYB hoses (with / without CA valves)
- External temperature sensors connector: 2 x K-type
- Sturdy plastic carry case.

| Product | 2 valve | Vacuum hose 3/8" | Temp clamps | Part No. |
|-----------|---------------|------------------|--------------|-------------------------|
| REFMATE-2 | | | | |
| Standard | ✓ | - | - | 4688124 |
| CA | ✓ (CA Valves) | - | - | 4688125 |
| CA-TC | ✓ (CA Valves) | - | ✓ | 4688126 |
| CA-WTC | ✓ (CA Valves) | - | ✓ (Wireless) | 4688127 |
| REFMATE-4 | | | | |
| Standard | ✓ | ✓ | - | 4688129 |
| CA | ✓ (CA Valves) | ✓ | - | 4688100 |
| CA-TC | ✓ (CA Valves) | ✓ | ✓ | 4688130 |
| CA-WTC | ✓ (CA Valves) | ✓ | ✓ (Wireless) | 4688131 |

| | |
|-----------------------|---|
| Pressure sensor range | 0.95 to 60 bar |
| Max. working pressure | 60 bar |
| Max. overpressure | 80 bar |
| Operating temperature | -40°C to +125°C / -40°F to +257°F |
| Accuracy | ±0.5% (class 0.5) |
| Resolution | 0.01bar / 0.5psi / 1kPa / 0.001MPa / 0.01kg/cm2 |
| Weight, Dimensions | 1.15 kg, 200 (h) x 190 (w) x 75 (d) mm |

Manifolds



R410A manifolds

All 54 bar Max allowable manifold pressure.

| Product | Refrigerant | Includes | Part No. |
|---|-------------|---------------------------|-------------------------|
| BM2-3-DS-R410A 2 Valve Manifold Kit | R410A | 3 x 36" Hose & Case | 9884707 |
| APEX-8-DS-R410A 2 Valve Manifold No Sight Glass | R410A | | 4681008 |

REFCO clim A/C manifold kits

All 54 bar Max allowable manifold pressure.

| Product | Refrigerant | Includes | Part No. |
|---------------|--|-------------------------------------|-------------------------|
| BM2-3-DS-CLIM | R22, R407C, R410A 2 Valve AC kit | 5 x 36" Hoses & Case | 4663506 |
| BM2-6-DS-CLIM | R410A, R22, R407C | 5 x 36" Hoses blister pack | 4663298 |

BM2-3-DS-R290/R600 hydrocarbon manifold

[Part no. 4687382](#)

Hydrocarbon manifold for R290, R600A, R600.
3 x 36" hoses (Red, Yellow, Blue).
Hard plastic carry case.

Manifolds

Multi-Gas manifolds



4688158

2 valve multi-gas manifolds

All 30 bar max allowable manifold pressure.

| Product | Refrigerant | Part No. |
|---|-----------------------------|-------------------------|
| SM2-8-DS-MULTI 2 Valve Manifold | R22, R404A, R407C, R134A | 4508069 |
| BM2-6-DS-R22 3 x 36" hoses blister pack | R22, R134A, R404A | 9884898 |
| BM2-3-DS-SUPER 2 Valve manifold kit | R22, R404A, R407C, R134A | 9883537 |

4 valve multi-gas manifolds

All 30 bar Max allowable manifold pressure.

| Product | Refrigerant | Part No. |
|------------------------------------|-----------------------------|-------------------------|
| SM4-8-DS-MULTI 4 Valve Manifold | R22, R404A, R407C, R134A | 4508077 |
| BM4-3-DS-SUPER 4 Valve Manifold | R22, R404A, R407C, R134A | 9883717 |

R410A/R32 manifolds

All 30 bar Max allowable manifold pressure.

Premium Bourdon-type gauges - class 1.6

Zero point adjustable

Piston style valves to ensure perfect sealing

Forged aluminium body – durable & lightweight

Complete with 3 x 72" R/Y/B ball valve hoses

| Product | Sight glass | Hoses | Case | Part No. |
|---------------------------------------|-------------|-----------------|------|-------------------------|
| BM2-3-DS- R410A/R32 2 Valve | ✓ | ✓ | ✓ | 4686947 |
| BM2-6- R410A/R32 2 Valve | ✓ | ✓ | – | 4686948 |
| BM2-3-DS- R32-CA-CCL-72 2 Valve | ✓ | ✓ Ball valve | ✓ | 4688158 |

Tap set

Wireless digital pressure & temperature gauges



REFCO tap set

Wireless digital pressure and temperature gauge set to measure temperature and pressure from the low and high sides of AC / R systems.

Available as one set (1 x gauge, 1 x clamp) or 2 sets (2 x gauges, 2 x clamps) or individually.

Connect up to 6 pressure gauges and temperature clamps

Calculates sub heating & sub cooling

Library of over 50 refrigerants

Display on pressure gauge and temperature clamp

App available (IOS & Android compatible)

Reports can be stored and emailed

Refrigerant updates available via Micro USB connection

Compatible with Refmate

Hard plastic carry case

| Product | Part No. |
|----------------|-------------------------|
| TAP-Set | 4687788 |
| TAP-Double SET | 4687789 |
| TAP Gauge | 4687787 |
| TAP-Clamp | 4687785 |

| TAP Pressure Gauge | |
|----------------------------|------------------------|
| Pressure range | Up to 60 bar (870 psi) |
| Accuracy | ≤ 1.0 % FS |
| Resolution | 0.07 bar / 0.1 psi |
| Units | bar, psi, kPa, MPa |
| Max. (Proof) overpressure: | 60 bar (870 psi) |

| TAP Temperature Clamp | |
|-----------------------|----------------|
| Type | K-Type |
| Temperature range | -40°C - +125°C |
| Accuracy | ± 1°C |
| Resolution | 0.1°C |
| Units | °C/°F |

Thermometers & hose



Hook on thermometer

Part no. 4503643

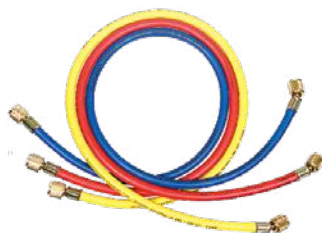
Scale -40 to +40°C .
Ø 65mm.
Pack of 10.



Dial thermometer

Universal design which can be mounted from the back or from the front. Elegant plastic construction at a very competitive price.
Temp range: -40 to +40°

| Diameter | Description | Part No. |
|----------|-------------|-------------------------|
| 100mm | 1.5m | 9881042 |
| | 3.0m | 9881041 |
| | 4.5m | 9881040 |
| | 7.5m | 9881039 |
| 60mm | 1.5m | 9881046 |



REFCO 1/4" hose sets

| Product | Description | Part No. |
|---------|-------------------|-------------------------|
| 72" | Blue, Red, Yellow | 9881275 |
| 36" | Blue, Red, Yellow | 9881278 |



REFCO 1/4" extended length single hoses

| Product | Description | Part No. |
|---------|-------------|-------------------------|
| 120" | Blue | 9881249 |
| | Red | 9881258 |
| | Yellow | 9881267 |
| 200" | Blue | 9883279 |
| | Red | 9883280 |
| | Yellow | 9883281 |

Hose & spares



REFCO 1/4" single hoses with ball valve 72"

| Product | Description | Part No. |
|------------|-------------|-------------------------|
| CA-CL-72-B | Blue | 4492979 |
| CA-CL-72-R | Red | 4492987 |
| CA-CL-72-Y | Yellow | 4492995 |



REFCO R410A hose set 1/4 x 5/16"

| Product | Description | Part No. |
|-------------------|--------------|-------------------------|
| CCL-36-1/2"-20UNF | 36" hose set | 9884094 |



REFCO heavy duty vacuum hose 3/8"

| Product | Description | Part No. |
|-----------|-------------|-------------------------|
| HCL6-72-Y | Yellow 72" | 9881312 |



REFCO manifold knobs

| Product | Description | Part No. |
|------------------|------------------------------------|-------------------------|
| M2-7-SET-B+R | Set of 2, red, blue | 4687079 |
| M4-7-SET-B+N+R+Y | Set of 4, red, blue, black, yellow | 4687094 |



REFCO replacement hose gaskets

| Product | Description | Part No. |
|------------|--|-------------------------|
| P-509-T/10 | Teflon gaskets pack of 10 | 9880871 |
| P-510/10 | O-Ring gasket for 3/8 hoses pack of 10 | 9880870 |
| P-513/10 | Valve hose depressors pack of 10 | 9880869 |

Scales



REF Meter OCTA

Part no. 4679462

The REF METER OCTA incorporates all the excellent features of the REF METER. The most accurate and precise refrigerant charging scale available today.

Out sized platform for weighing larger refrigerant cylinders.

Easy to read LCD display.

Lightweight sturdy aluminium body.

Programmable with built in memory.

Can be calibrated in the field.

Refrigerant tank capacity indicator.

A handy 'Auto reel cable' attaches the hand held LCD display to the scale.

| | |
|-----------------------|---------------------|
| Type | Digital |
| Weighing capacity | 100 kg (220 lbs) |
| Units | Lbs / kg / oz |
| Accuracy | +/- 0.5 % |
| Resolution | 2 g |
| Power | 4 'AA' batteries |
| Battery life | 30 hours continuous |
| Operating temperature | 10 – 40°C |
| Weight | 4.5 kg |
| Dimensions | 32 x 5 cm |
| Carry case | Soft carry case |

Gauges



REF-VAC vacuum gauge

Part no. 4686712

| | |
|----------------------|---|
| Type | Thermistor |
| Vacuum range | 0 - 18000 microns |
| Units | Microns, mbar, Pa, Torr, mTorr, psi, inHG |
| Accuracy | +/- 10 % 0-100 microns - +/- 6 % 101-750 microns |
| Resolution | 0-20: 0.2 microns 21-200: 1 microns 201-500 5 microns |
| Connector type | Standard male 1/4 inch SAE |
| Operating temp range | 10 – 40°C |
| Auto shut-off | After 10 mins - if vacuum gauge greater than 18000 microns. After 30 mins - If vacuum value less than 18000 microns |
| Battery life | 40 hours |
| Over pressure | Max 34 bar |

Replacement gauges

| Product | Part No. |
|---|-------------------------|
| 63mm HP gauge R22 R134A, R404A | 7462396 |
| 63mm LP gauge R22 R134A, R404A | 7462426 |
| 63mm HP gauge R410A | 7456001 |
| 63mm LP gauge R410A | 7455896 |
| Blank Compound Gauge for snap on series | 7017432 |
| R422 80mm LP manifold gauge R422A, R422D, R417A | 4682064 |
| R422 80mm HP manifold gauge R422A, R422D, R417A | 4682072 |
| 80mm Multi Gas Compound Gauge R22, R134A, R404A, R407C | 7138754 |
| 80mm Multi Gas Pressure Gauge R22, R134A, R404A, R407C | 7141265 |

Ancillaries



Installation lifter

Part no. 4682888

This unique installation lifter allows you to accomplish almost all overhead mountings on your own.

The mast also features a unique guided wires system to enhance the overall height and safety.

The Zinc coated steel construction improves the overall stability and robustness without compromising the overall weight of the lifter.

The load can be lifted using variable speeds and this can be achieved easily with the electronic remote control.

The lifter is supplied in a practical carrying bag with a quick and easy set up.

The telescopic tripod legs are individually adjustable and work perfectly on uneven or sloping terrain. Ideal for mounting of indoor and outdoor systems.

| | |
|---------------------|--------------|
| Voltage | 230 V |
| Max. lifting height | 3m |
| Weight lifter | 20kg |
| Weight platform | 5kg |
| Load capacity | 120kg |
| Platform | 775 x 460mm |
| Lifter stowage | 280 x 1100mm |

HY-EX hydraulic tube expander range

Easy, single hand operation.

Small space capable. 120° angle.

Interchangeable heads 3/8 - 1 1/8".

Compatible with REFCO expander systems.

Includes deburring tool RFA-209-STYLO-HD



| | |
|-------------|--|
| Dimensions | 25cm x 4.5cm x 12cm |
| Weight | 1.2kg |
| Suitability | Soft tubing only: copper, aluminium, brass |

| | |
|-------------------------|-------------------------|
| Product | Part No. |
| Hydraulic Expander kit | 4687047 |
| Hydraulic Expander only | 4687048 |

Ancillaries



Stylo-de-burrer

Part no. 9883750

A handy deburring tool with a rotating blade.
Removes rough or irregular edges of pipe.



Check valve

Part no. 9884167

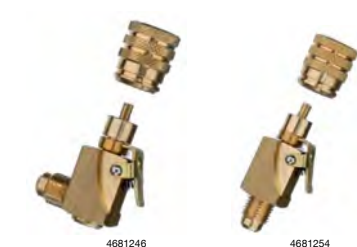
Comes with flare cap and schrader.
Half union 1/8" NPT x 1/4" SAE



REFCO can valve

Part no. 9881202

Can valve connection 1/4 SAE outlet. Suitable for R600 and R290 cans.



REFCO quick couplers

| Product | Part No. |
|---------------------------------------|-------------------------|
| Elbow for R410A 1/4"x 1/2"-20UNF | 4681270 |
| Straight for R410A 1/4" x 1/2 - 20UNF | 4681262 |
| Elbow 1/4" | 4681246 |
| Straight 1/4" | 4681254 |



Oil charge pump

Part no. 9881559

With this hand pump, oil can be directly pumped from the oil can into the compressor crank-case without air or moisture re-entering the refrigeration system. The compressor does not need to be evacuated thus reducing charging time by over 70%. It pumps 50ml in one pump stroke.



Oil change pump

Part no. 9881557

Ideal tool to recover oil from a AC/R compressor without the compressor having to be dismantled. 100ml recovery volume per pump stroke.

Pumps

Condensate removal



Combi

Part no. 3004046

The Combi condensate pump is an entirely new design specifically manufactured for use in duct-free air conditioning split systems. The Combi is full of custom features that are unique to the world market. The flow range, optional configuration and universal voltage allow both installing contractors and wholesalers to stock and use a single product that fulfils all your requirements.



Gobi II

Part no. 3004045

The all new Gobi II condensate pump has been completely redesigned retaining all the good features you like and upgrading everything else. The Gobi II has a massive flow range allowing its use from 6,000 Btu/H (1.75kW) up to 120,000 Btu/H (35 kW). Its digital water sensor, universal voltage and user configurable flow ensure it is the strongest, quietest under A/C mounted condensate pump on the market today.



Cougar

Part no. COU.6000.0

The COUGAR drain pan pump is a submersible condensate removal pump designed to automatically remove condensate water from refrigerated cases, dehumidifiers, fan coils and air conditioning systems. The pump is intended to be installed within a collection tray inside the equipment.

| | |
|-------------------|---|
| Maximum flow rate | 42L/hr |
| Maximum suction | 3m (9.80ft.) self-priming |
| Maximum head | 20m (65.60ft) |
| Wireless access | Remote wireless access with smartphone (optional feature) |
| Voltage | 100 - 240 VAC 50/60 HZ autosensing universal power input |
| Power | 12 watts during maximum operation at 110V |
| Alarm relay | 10amps NO/NC contacts with integrated replaceable 10A glass fuse 5 x 20mm |
| Protection | Class II double insulation, fully potted, 1P-44 |
| Operation temp | Ambient 3°C to 50°C (37.5°F - 122°F) water 5°C to 50°C (41°F - 122°F) |

| | |
|-------------------|---|
| Maximum flow rate | 42L/hr |
| Maximum suction | 3m (9.80ft.) self-priming |
| Maximum head | 20m (65.60ft) |
| Wireless access | Remote wireless access with smartphone (optional feature) |
| Voltage | 100 - 240 VAC 50/60 HZ autosensing universal power input |
| Power | 12 watts during maximum operation at 110V |
| Alarm relay | 10amps NO/NC contacts with integrated replaceable 10A glass fuse 5 x 20mm |
| Protection | Class II double insulation fully potted, 1P-44 |
| Operation temp | Ambient 3°C to 50°C (37.5°F - 122°F) water 5°C to 50°C (41°F - 122°F) |

| | |
|-------------------|---|
| Power supply | 110/230 V, 50/60 Hz Auto sensing |
| Power consumption | 17W max, 0.25W when idle |
| Alarm relay | 5 A, 30 VDC, 250 VAC break on fault |
| Capacity | 12 Litres/hour max.(3.17 US gal/h) |
| Ambient temp | 0°C - -40°C (32°F - 104°F) |
| Discharge head | >20m (65ft) vertical >100m (328ft) horizontal. 1m max. (3.28ft) suction |

Controllers



Inverter phase check

Diagnostic instrument for problem analysis on air conditioners. The Inverter Checker Module is a diagnostic instrument for problem analysis for air conditioners. This testing device is constructed for both installation and maintenance. It shows whether the inverter and also the serial communication are functioning correctly. This allows the technician to identify simple faults and saves a lot of time used for finding a problem and removing it.

* Please note, cables must be bought separately

| Model | Part No. |
|-------------------------|------------------------------|
| Inverter Phase Check | ICM.4040.0 |
| Crocodile Clip Cable 1m | I_CROC_CABLE |

Hand tools



25 piece 1/4" double driver socket and bit set

Part no. JAV-16354



25 piece 3/8" sq. dr. metric socket set in metal case

Part no. JAV-16367



Soft grip adjustable wrench

| Size | Part No. |
|-------|---------------------------|
| 150mm | JAV-24893 |
| 200mm | JAV-24894 |
| 250mm | JAV-24896 |
| 300mm | JAV-24897 |



VDE insulated screwdriver flathead

| Size | Part No. |
|---------------|---------------------------|
| 75mm x 2.5mm | JAV-69211 |
| 100mm x 3mm | JAV-69212 |
| 125mm x 5.5mm | JAV-69214 |
| 150mm x 6.5mm | JAV-69215 |



VDE insulated screwdriver pozi

| Size | Part No. |
|--------------|---------------------------|
| 60mm x No.0 | JAV-69227 |
| 80mm x No.1 | JAV-69228 |
| 100mm x No.2 | JAV-69229 |

Hand tools



4 piece VDE soft grip screwdriver set

Part no. JAV-69233



7 piece VDE soft grip screwdriver set

Part no. JAV-88608



VDE slimline long nose pliers 200mm

Part no. JAV-50247



VDE combination pliers 200mm

Part no. JAV-50243



VDE diagonal side cutters 180mm

Part no. JAV-50250

Hand tools



VDE waterpump pliers 250mm

Part no. JAV-50293



10 piece imperial allen key set

Part no. JAV-33688



10 piece metric allen key set

Part no. JAV-33687



Retractable trimming knife

Part no. JAV-02890

Hand tools



Spirit level 900mm

Part no. JAV-13397



Spirit level 300mm

Part no. JAV-75073



Tape measure 3m/10ft

Part no. JAV-75298



Ladder car roof clamps

Part no. JAV-24807



Rivet gun with rivets

Part no. JAV-27847

Hand tools



4 way crimping tool 215mm

Part no. JAV-13657



Ratchet crimping tool 220mm

Part no. JAV-35574



Pack of 2 3.5m x 25mm ratchet tie down straps

Part no. JAV-60964



Pistol grip junior hacksaw

Part no. JAV-12607



Hacksaw frame 250mm-300mm

Part no. JAV-40462

Hand tools



Hacksaw blades pack of 5

(fits JAV-40462)

Part no. JAV-68414



Junior hacksaw blades pack of 10

(fits all junior hacksaws)

Part no. JAV-11237



16oz claw hammer with steel shaft

Part no. JAV-67657



Aluminium torch

Part no. JAV-81109

Aluminium case with on/off button. The LED produces a clear beam of 20 lumen light. Fitted with a focusing beam function. Uses 2 x AA size batteries (sold separately). Ideal for use with all industry sight glasses.



25m 230v four socket industrial cable reel

Part no. JAV-26342

Industrial quality with a four socket plate combined with a sturdy metal frame with easy wind handle. Fitted with thermal cut out switch and the 25M cable reel has 1.25mm² cable. The Maximum load is 13A when fully unwound and is fitted with an approved plug. If the extension cable is used fully wound then the maximum load is reduced.

Site tools



25m 16a 110v industrial cable reel

Part no. JAV-71829

Industrial quality with a four socket plate combined with a sturdy metal. Complies with BSEN61242, EN60309 and BS50525. BS harmonised cable diameter 1.5mm² with a maximum load of 16A/1760W when fully unwound. Fitted with a non-rewireable plug. Double socket plate. If the extension cable is used fully wound then the maximum load is reduced.



3.3KVA 230V to 110V portable site transformer

Part no. JAV-31264

Complies to EN61000, EN61558 and IP44. Built with a tough corrosion resistant case and fitted with thermal overload protection and two 16A sockets with full copper windings. These site transformers are ideal for use with all 110V power tools and Javac Recovery Units and Vacuum pumps. Fitted with 2M (approx.) cable and approved plug. No. of 16A sockets two.



Wet/dry SS 30L vacuum cleaner 240V

Part no. JAV-20523

30L 1400W 230V Wet and Dry Vacuum Cleaner. Robust model with stainless steel tank. The 30L tank is designed to pick up wet and dry materials. Ideally suited for use in Cabinet drains and condensate trays and general cleaning. Fitted with blower function and 4M (approx.) cable and approved plug.

- Foam filter
- Paper dust bag
- 2M flexible hose with hand grip and air control
- Two extension tubes 480mm long
- Wet and Dry floor attachment
- Crevice nozzle
- Upholstery attachment. All accessories are 35mm diameter.

| | |
|----------------------|--|
| Max. vacuum pressure | 20 KPa (200 mbar) |
| Max. air flow | 40 L/sec |
| Tank volume | 30 L |
| Dimensions | 630 mm (24.8") (inc. castors) with 340 x 340 mm (13.3" x 13.3") base |
| Weight | 9.3 kg |

Spares available on request.

Servicing

The best servicing, repair & calibration centre in the UK

When you buy a JAVAC tool you also get access to the best repair and service centre in the UK, as well as an expert technical support team.

The market leading service & repair is available across the HVAC/R industry – servicing includes JAVAC and other brands.

- Leak Detectors
- Manifolds
- Recovery units
- Vacuum pumps
- Gauges
- Scales

All items will be quoted prior to any work taking place.

48 hour service is available upon request (UK only at present).

Standard service has a 5 working day turnaround (UK only at present).

JAVAC CALIBRATION

- Pressure gauges
- Leak detectors
- Vacuum gauges
- Scale platforms
- Temperature calibration
- All manifold gauges from all manufacturers
- F-Gas conformity
- Torr gauges – mechanical & electronic
- Refrigeration scales
- Thermometers

Order numbers will be required before any work can commence to ensure product traceability compliance.

The JAVAC return form can be found on javac.co.uk/servicing

JAVAC TRAINING OFFERINGS:

- JAVAC Training
- Recovery
- Which units suit which refrigerant
- Leak Detection
- Best practice for using the correct leak detector
- Evacuation
- How to correctly specify and set up your vacuum pump
- Best practices for Nitrogen Pressure Testing
- Refrigerants
- How new regulations are defining the use of gases
- We are able to provide onsite training with our national sales team – offering advice on product selection and application.

The brands

Professional, recognisable and eye catching.



The JAVAC brand represents a mark of quality. Branded instore tool displays make a go to point for all your quality tools. Whilst clear and helpful packaging helps you buy with confidence and make that informed choice. JAVAC – a brand you can trust.



Trustworthy and built to last – JAVAC is our company main brand and core range of quality precision HVAC/R tools.



Packed with extra features – these products are designed to make the job that little bit easier, giving you the 'Edge'.





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EDGE



SPECTROLINE®
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TOOL BAGS THAT WORK

JAVAC



an
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