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# PRODUCT GUIDE 2018

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RECOVERY, VACUUM & SERVICE  
EQUIPMENT FOR THE HVAC/R INDUSTRY



## ABOUT JAVAC



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.



Our 5\* service and support promise means faster return of your valuable kit when it needs maintenance, calibration or repair, all through our dedicated service centres in the UK, France and Germany.



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## XTR-ALTIMA A2L

- Suitable for R32, R1234YF plus all standard refrigerants
- Fast recovery rates, twin head compressor
- Spark proof - 5m hard wired 240V lead
- UL listed ignition protected switches & circuit breaker
- High torque AC motor

Part No.	<b>XTRC2-A2L</b>
Suitability	R32, R1234YF plus all standard refrigerants

### SPECIFICATION

Push/Pull (kg/hr)	660
Vapour (kg/hr)	30
Liquid (kg/hr)	216
Power supply	240V
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



## XTR-PRO DV

- Dual Voltage – switch easily to 110V\* or 240V
- Integrated circuit breaker protection
- X-Connect technology protects against incorrect voltage

Part No.	<b>XTR-PRO-DV</b>
Suitability	HFC/HCFC/CFC, Standard refrigerants

### SPECIFICATION

Push/Pull (kg/hr)	300
Vapour (kg/hr)	15
Liquid (kg/hr)	90
Power supply	110 V* or 240 V
Motor size	1/2 HP AC
HP cut out	500 psi (35 bar)
Compressor	Oil less
Weight	12 kg
Dimensions	420 x 290 x 420 mm



\* 110V lead not included, available as optional extra.

**Part No. 110V-1EC**

## XTR-ULTRA

- Ultra lightweight – 8.4 kg
- Ultra fast liquid recovery rate – 120 kg/hr
- Suitability HFC/HCFC/CFC

Part No.	<b>XTR-ULTRA</b>
Suitability	HFC/HCFC/CFC
<b>SPECIFICATION</b>	
Push/Pull (kg/hr)	420
Vapour (kg/hr)	19
Liquid (kg/hr)	120
Power supply	240V
Motor size	3/4 HP
HP cut out	550 psi (38 bar)
Compressor	Oil less
Weight	8.4 kg
Dimension	320 x 220 x 260 mm



## CARESAVER HYDROCARBON

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

Model / Part No.	<b>CARESAVER110V</b> <b>CARESAVER-240V</b>
Suitability	Hydrocarbon
<b>SPECIFICATION</b>	
Recovery (kg/hr)	32
Power supply	110 V and 240 V models
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



Isolation solenoid valve

Dual oil mist filters to prevent oil mist

Two stage oil sealed vacuum pump



**SPARK PROOF!**

**R32 READY**

**NEW!**

## BULLDOG A2L SPARK PROOF VACUUM PUMP

- Spark proof design: UL rated On/Off switch. 5 m hard wired 240 V cable
- Two stage oil sealed vacuum pump
- Isolation solenoid valve
- Dual oil mist filters to prevent oil mist



- Spark proof!**
- Integrated spark proof power switch, lead and circuit breaker
  - 5 m hard wired cable

Part No.	<b>VBD1622</b>
Suitability	All standard and A2L applications

SPECIFICATION	
Stage	Double
Ultimate vacuum	15 microns
Free air displacement	156 l/m (5.5 CFM)
Power supply	240 V 50Hz
Motor size	2880 rpm
Power cord	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

**1**  
YEAR  
GUARANTEE

**5\***  
SERVICE &  
SUPPORT

## CC-SERIES VACUUM PUMPS CC-21, CC-31, CC-141, CC-231



A range of heavy duty, high performance vacuum pumps specifically designed for the HVAC / R industry.



Model / Part No.	CC-21	CC-31	CC-141	CC-141AMM	CC-231	CC-231AMM
Suitability	All	All	All	Ammonia	All	Ammonia
			Non H/C & A2L			

SPECIFICATION						
Stage	Double					
CFM	1	1.4	5.3	5.3	9	9
Ultimate vacuum (microns)	38		15			12
Free air displacement (CFM, l/m)	1/28	1.4/40	5.3/140		9/230	
Power supply	240 V 50Hz		Dual voltage 110/240 V 50Hz			
Motor size HP	1/4		1/3		2/3	
Power cord connection to pump	Glanded	IEC	IEC	IEC	IEC	IEC
Oil capacity (ml)	140	380	450	450	500	500
Intake fittings	1/4					
	1/4 SAE, 3/8 SAE and 1/2 ACME					
Weight	4.5 kg	9.8 kg	12 kg		15.5 kg	
Dimensions	347 x 137 x 194 mm	330 x 135 x 255 mm	350 x 135 x 255 mm		380 x 160 x 285 mm	

## LC25 INDUSTRIAL VACUUM PUMP

For use on all large commercial chillers and multi compressor packs to significantly reduce evacuation time.



Part No.	LC25-1
Suitability	All (Non H/C & A2L)

### SPECIFICATION

Stage	2
CFM	15
Ultimate vacuum (mbar)	0.5 mbar
Free air displacement (CFM, l/m)	15/666
Power supply	240 V (110 V available upon request)
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 (55 lbs)
Dimensions	356 x 280 x 212 mm



## JAVAC UNIVERSAL VACUUM PUMP OIL

- 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

Product	Part No.
JAVAC Vacuum Pump Oil 1 L	HV68/1
JAVAC Vacuum Pump Oil 4 L	HV68/4



## TORR GAUGE

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

Part No.	<b>CR2-40</b>
Accuracy	Class 2
Units	Torr, mbar
Operating pressure range	0 - 40 Torr / 50 mbar
Connector type	1/4" Flare connection
Diameter	100 mm (4")



## DIGITAL VACUUM GAUGE

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

- Reads vacuum in seven international units
- Magnetic HVAC 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

Part No.	<b>VG-64</b>
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)



## TEK-Mate® LEAK DETECTOR

- F-GAS Compliant, tested to BSEN14624
- Controls soft touch switch-off, low sensitivity, high sensitivity
- Contamination adjustment - automatic
- R22: 2g / yr
- R410A: 5g / yr

Part No.	<b>705-202-G1</b>
Sensitivity	CFCs, HCFCs, HFCs R22: 2g/yr, R410A: 5g/yr
Sensor technology	Heated diode
Operating temperature range	-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	700 g (25 oz)
In the box	Detector, 2 D-size alkaline batteries, spare filters, hard carrying case

Suggested spares	Part No.
Filter for TEK-Mate	<b>705-600-G1</b>
Spare sensor for TEK-Mate	<b>703-020-G1</b>



## D-TEK® SELECT LEAK DETECTOR

- F-GAS Compliant, tested to BSEN14624
- Ultra high sensitivity to all standard refrigerant gases. 1gm/yr
- Infrared – does not weaken with time
- Will not react with air flow or smoke, 1gm/yr sensitivity

Part No.	<b>712-202-G21U</b>
Sensitivity	1gm/yr (R22, R410A, R404A, R134A, and all CFC, HCFCs and HFCs)
Sensor technology	Infrared
Operating temperature range	-20°F to 122°F -27°C to 50°C
Power	12 V
Battery life	6.5 hours
Display	Visual LED
Weight	540 g (19 oz)
In the box	Sensor, 2 D-size alkaline batteries, spare filters, hard carrying case

Suggested spares	Part No.
Infrared cell	<b>712-701-G1</b>
Filter kit	<b>712-707-G1</b>



## D-TEK® CO2 LEAK DETECTOR

- Low risk of false alarms because it equalises to the CO<sub>2</sub> 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

Part No.	<b>716-202-G5</b>
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	540 g (19 oz)



## GAS-Mate® LEAK DETECTOR ATEX

- 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 combustible / explosive environments
- ATEX approved

Product	Part No.
Gas mate	<b>718-202-G1</b>
Sensitivity	5ppm methane
Sensor technology	Surface reaction
Power	12 V
Battery life	6.5 hours
Display	Multiple LEDs, variable intensity audio alarm indicates leak strength
Weight	700 g (25 oz)

Suggested spares	Part No.
Sensor	<b>706-700-G1</b>



## WHISPER VACUUM / NITROGEN ULTRASONIC LEAK DETECTOR

- Detects and locates sources of ultrasonic sound through the use of a specialised receiver which detects frequencies in the 40.5 kHz range
- Locates the ultrasound's source while an Internal Noise Control ensures the instrument is unaffected by audible noise
- Can be used in extremely noisy environments, such as mechanical rooms, plant rooms and operating chillers
- Optional ultrasonic transmitter for quick and accurate leak checking in walk-in coolers/freezers, wall and ceiling joints, around doors, windows, ducts, etc.

Part No.	<b>711-202-G1</b>
Sensitivity	40.5 kHz
Sensor technology	Ultrasonic receiver
Power	2 D-size (1.5 V) alkaline
Battery life	16 hours
Display	Visual LED
Weight	540 g (19 oz)



## G1 GAS CHECK LEAK DETECTOR

- 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

Part No.	<b>GASCHECKG1</b>
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	800 hours infrared cell life
Display	LCD back lit display
Weight	700 g (25 oz)



## SUPER SEAL ADVANCED SEALANT

- Eliminates moisture - up to 20 drops of water from your ACR system
- Boosts sealant performance
- Increases drier efficiency
- Prevents acid build-up, corrosion and waxing
- Quickly and easily repairs AC&R micro leaks
- Ideal for hard to find persistent single or multiple leaks
- Compatible with all oils and refrigerants
- Ideal for older systems awaiting replacement
- Contaminant free - vacuum can contains no butane or propane



Product	System size	Part No.
Super Seal (Small System)	> 1.5 tons	<a href="#">AC2947A</a>
Super Seal (Medium System)	1.5-5 tons	<a href="#">AC2944A</a>
Super Seal (Large System)	5+ tons	<a href="#">AC2948A</a>

## LEAK ELEMENT

- Leak element with 1/4" SAE connection. Stainless steel body with brass nut for use with a bulk supply
- Designed for quick on-site checking of leak detectors or other existing test equipment.
- Check and verification process cert can be provided for an additional fee.
- Gas supply required. R134A



Part No.	<b>LS-4</b>
Connector type	1/4" SAE
Suitability	Gas specific. Quote when ordering.

## TEK-Check® REFERENCE LEAK

- 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

Part No.	<b>703-080-G10</b>
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## Wey-TEK® HD WIRELESS SCALE

- The worlds first and most advanced Bluetooth enabled refrigerant scale
- This large wireless platform communicates and displays data through your smartphone (optional hand piece available - see below)
- Offering Full F-Gas traceability for the low / high alarm settings and easy monitoring on the charge or recovery process
- A FREE downloadable app to your smartphone (compatible with IOS iPhone 4S and above and Android).
- The apps 'JOB LOG' feature keeps track and stores your data which can then be emailed or taken as a 'Snapshot'.



Part No.	<b>719-202-G1</b>
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 (8 lbs)
Dimensions	Platform size 32 x 28 cm
Carry case	Hard plastic carry case



## Wey-TEK® HD WIRELESS HAND PIECE

- Bluetooth Hand piece to suit the Wey-TEK HD Wey-TEK-HD wireless base with optional hand piece
- 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



Part No. **719-715-G1**

## Wey-TEK® SCALE

- The Wey-TEK is easy to use and its high accuracy load cell (10 gm) ensures exact readings no matter where the cylinder is on the weighing platform. This electronic scale handles a wide range of standard cylinders
- The precision and versatility make it ideal for charging or recovery of all refrigerants. Wey-Tek scales update with 110kg (10 gram accuracy)
- Simple controls with large LCD for easy viewing, even in direct sunlight
- High accuracy load cell won't allow drift
- Automatic and manual zeroing



Part No.	<b>713-202-G1</b>
Type	Digital
Weighing capacity	100 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 (10 lbs)
Dimensions (cm)	32 x 28 mm (12.5" x 11")
Carry case	Hard plastic carry case

## PROCHARGE 100

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



Part No.	<b>G58610</b>
Type	Digital
Weighing capacity	100 kg (220 lbs)
Accuracy	+/- 0.5%
Resolution	5 g
Power	9 V battery
Battery life	30 hours
Operating temperature	10 – 40°C
Weight (kg)	2.5 kg (5.5 lbs)
Dimensions	25 x 25 cm (10" x 10")
Carry case	Hard plastic carry case





¼ turn control valves for fast operation and increased refrigerant flow

All JAVAC Manifolds are built to EN-837-T3, Pressure Equipment directive standards and built with the engineer in mind. Robust and easy to use with 80 mm gauge heads, either dual seal piston or 1/4 turn mechanical valves. All built with long life Teflon seals, and larger capacity bore for maximum flow. Manifold sets include Continental® hoses as standard.



- ¼ turn control valves for fast operation and increased refrigerant flow (EL75172, EL84372, EL86372, EL75700)
- Piston style valves to ensure perfect sealing (EL64372, EL66300, EL66372, EL74300, EL74400, EL74400)
- Forged aluminium body – durable & lightweight
- Complete with 3 x 72" Continental R/Y/B hoses
- 80 mm gauge heads with rubber protection surround
- Long life rubber seals
- Robust carry case with laser cut foam protection and manual

## R410A / R32 MANIFOLDS

Product	Part No.
4 Valve, R410A / R32 inc. hoses and case, sight glass	<a href="#">EL75172</a>
2 Valve, R410A / R32 inc. hoses and case, sight glass	<a href="#">EL86372</a>
2 Valve, R410A / R32 inc. hoses and case, no sight glass	<a href="#">EL66372</a>
4 Valve, R410A / R32 - manifold only, sight glass	<a href="#">EL75700</a>
2 Valve, R410A / R32 - manifold only, sight glass	<a href="#">EL74400</a>
2 Valve, R410A / R32 - manifold only, no sight glass	<a href="#">EL66300</a>



## MULTI GAS MANIFOLDS (R134A, R22, R404A, R407C)

Product	Part No.
4 Valve, inc. hoses and case, sight glass	<a href="#">EL75372</a>
2 Valve, inc. hoses and case, sight glass	<a href="#">EL84372</a>
4 Valve, manifold only, sight glass	<a href="#">EL75300</a>
2 Valve, manifold only, sight glass	<a href="#">EL74300</a>



## 80 MM HP / LP PRESSURE GAUGES

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

Accuracy	Class 1.0
Connection	Standard 1/8" NPT
Diameter (mm /")	80mm / 3 1/4" OD



Product	Part No.
LP compound gauge, R22, R134A, R407C, R404A	<a href="#">EL54511</a>
HP discharge gauge, R22, R134A, R407C, R404A	<a href="#">EL54516</a>
LP compound gauge, R410A / R32	<a href="#">EL56511</a>
LP discharge gauge, R410A / R32	<a href="#">EL56516</a>



## MANIFOLD VALE SERVICE KIT

Part No.	<a href="#">EL800-EP</a>
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## 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	<a href="#">120404</a>
15" / 38 cm	<a href="#">150404</a>
18" / 46 cm	<a href="#">180404</a>
24" / 61 cm	<a href="#">240404</a>
30" / 76 cm	<a href="#">300404</a>
36" / 91.5 cm	<a href="#">360404</a>
48" / 122 cm	<a href="#">480404</a>
60" / 152.5 cm	<a href="#">600404</a>
78" / 198 cm	<a href="#">780404</a>



## CHARGING LINE SET 1/4" (x3)

- High quality lines Suitability standard refrigerants
- Working pressure 60 BAR / 870 PSI

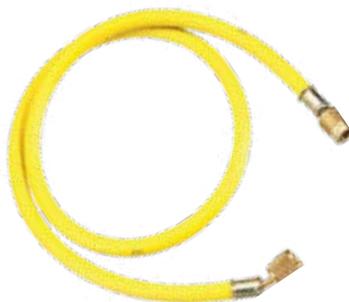
Product	Length	Qty per pack	Part No.
CCL-36	36" (90 cm)	3	<a href="#">9881278</a>
CCL-48	48" (120 cm)	3	<a href="#">9881277</a>
CCL-60	60" (150 cm)	3	<a href="#">9881276</a>
CCL-72	72" (180 cm)	3	<a href="#">9881275</a>



## SINGLE CHARGING LINE 1/4", (x1)

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

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



## R410A / R32 JAVAC HOSE SET 72" (x3)

- One end 1/4" straight connector and one end 5/16" 45° bend
- Available with standard or ball valve fitting

Product	Fitting	Part No.
JAVAC 72" hose set	Standard	<a href="#">EL21772</a>
JAVAC 72" hose set	Ball valve	<a href="#">EL21972</a>



## 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"	<a href="#">9884095</a>
1/2"-20UNF	Ball valve set back 1/4 x 5/16"	<a href="#">4666522</a>
1/2-20 UNF	Standard Ball Valve 1/4 x 5/16"	<a href="#">4682519</a>



## HOSE GASKETS 1/4" & 5/16"

Product	Qty per pack	Part No.
Hose Rubber Gaskets 1/4"	10	<a href="#">EL200-10</a>
Hose Rubber Gaskets 5/16" R410A / R32	10	<a href="#">EL220-10</a>
Refco Hose Teflon® Gaskets	10	<a href="#">9880871</a>



EL200-10, EL220-10

9880871

## TUBE EXPANDER SET

- 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



Part No. **JAV-1000B**



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## SINGLE EXPANDER HEADS

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

Size	Part No.	Size	Part No.
3/8"	<b>JAV1000-38</b>	7/8"	<b>JAV1000-78</b>
1/2"	<b>JAV1000-12</b>	1 1/8"	<b>JAV1000-118</b>
5/8"	<b>JAV1000-58</b>	1 3/8"	<b>JAV1000-138</b>
3/4"	<b>JAV1000-34</b>	1 5/8"	<b>JAV1000-158</b>



## 3-IN-1 TUBE BENDERS

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

Size OD	Part No.
5/16" 90°	<b>JTB-368</b>
3/8" 180°	<b>JTB-666</b>



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## TUBE BENDERS

- Robust lever type tube bender

Size OD	Part No.	Size OD	Part No.
1/4"	<b>JTB-364-04</b>	3/4"	<b>JTB-364-12</b>
5/16"	<b>JTB-364-05</b>	7/8"	<b>JTB-364-14</b>
3/8"	<b>JTB-364-06</b>		
1/2"	<b>JTB-364-08</b>		
5/8"	<b>JTB-364-10</b>		



**1**  
YEAR  
GUARANTEE

## HYDRAULIC TUBE BENDER

- 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



**1**  
YEAR  
GUARANTEE

Part No. **HB-85**

## CROSSBOW BENDER

- 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



**1**  
YEAR  
GUARANTEE

Part No. **JAV-404L**

## TUBE STRAIGHTENING TOOL

- Accurately straightens light wall tube from coil
- Easy to use - simply pull pipe through centre of tool
- Straighten copper, brass, aluminium, stainless steel, steel tubing and semi flexible coaxial cable

Tool size	Part No.
1/4"	<b>JAV-TST14</b>
3/8"	<b>JAV-TST38</b>
1/2"	<b>JAV-TST12</b>
5/8"	<b>JAV-TST58</b>



*N.B. Copper tube not included*

## 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"	<b>JTC-16</b>
1/8 – 1 - 1/8"	<b>JTC-30</b>
1/8 – 1 - 3/8"	<b>JTC-35</b>
1/8 – 1 - 5/8"	<b>JTC-42</b>



JTC-16



JTC-30



JTC-35



JTC-42

Includes inbuilt de-burring tool and spare cutting wheel!  
(JTC-35 & JTC-42)



## FLARING AND SWAGING KIT

- 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

Part No. **JAV-275-K**



## ECCENTRIC FLARING KIT

- 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
- 1/8 – 3/4" Eccentric Flaring Kit
- Hard plastic carry case

Part No. **JAV-806B**



**1**  
YEAR  
GUARANTEE

## TORQUE WRENCH KIT

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

Part No. **JAV-TW8**



**1**  
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GUARANTEE

## RATCHET WRENCHES

Product	Part No.
Offset ratchet wrench	<b>JAV-127-CO</b>
Ratchet wrench	<b>JAV-127-C</b>



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GUARANTEE

## JAVAC OXY-ACETYLENE BRAZING & WELDING TOOL KIT

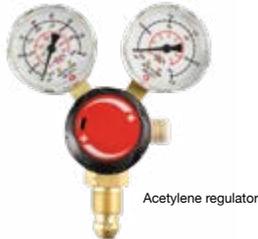
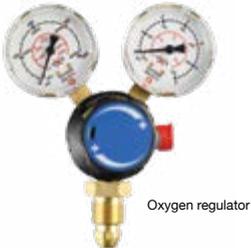
Oxy-Acetylene brazing and welding? Everything a professional needs in one handy toolbox. All you need is to bring is the bottles!

Product	Part No.
Complete Oxy-Acetylene tool kit (see contents below)	<b>F23220001</b>

Compatible with  
**BRAZE-A-GAS®**

Tool kit contains:

- 1 x Oxygen regulator
- 1 x Acetylene regulator
- 1 x Brazing torch and mixer
- 1 x Pair of 5m 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 Nozzle cleaning set
- 1 x Pair of flashback arrestors



## SINGLE STAGE OXYGEN AND 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

## 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



## 5 & 10 METER HOSES FOR OXYGEN AND ACETYLENE

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



## FRONT FLIP GOGGLES

Part No.	17007220
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## OXYGEN AND ACETYLENE BOTTLE TROLLEY

Part No.	9431380
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## CYLINDER BOTTLE SPANNER

Part No.	9431380
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## NOZZLE CLEANING KIT

Part No.	9430860
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## FLEXI TORCH

- 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

Part No. **JAV-1004**



## HEAT SHIELD – HEAT BLOCKING COMPOUND

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

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

Part No. **JAV-1002**



## S2 BRAZING RODS

- 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

Part No. **JAV-S2**



## FUSION DUAL BRAZING TORCH

- Full stainless steel nozzle
- Manual ignition
- Variable flame control
- Double barrel
- For use with MAPP and Propane gas
- Double barrel dramatically reduces brazing time

Part No. **FD2**



## OLYMPUS BRAZING & SOLDERING TORCH

- Upgraded with full stainless steel nozzle!
- Auto ignition
- Variable flame control
- 360° swivel tip
- For use with MAPP and Propane gas

Part No. **OLY2**



## 2000-FLEX LIGHTWEIGHT WELDING AND BRAZING KIT (INC. OXY & FUEL BOTTLES)

- Maximum temperature: 3050°C
- 330 mm x 107 mm x 165 mm (Cans on trolley)

### Kit includes:

- 1 Gas fuel bottle (non refillable)
- 1 Oxygen bottle (930 ml – 110 bars, non refillable)
- Spark Lighter
- Hoses & regulators
- Flashback arrestors
- Goggles

Product	Part No.
Flex Welding and Brazing kit	<b>2000-Flex</b>
Oxygen bottle	<b>OXYGENBOTTLE</b>
Gas fuel bottle	<b>FUELBOTTLE1350</b>



**NEW!**

## NITROGEN REGULATOR 50 BAR (OFN)

- 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
- Large pressure adjustment knob to allow for easy pressure adjustment



Part No.	<b>RS-750</b>
Max. inlet pressure	300 bar
Outlet pressure range	0 - 50 bar (0 - 750 psi)
Connector type	1/4" outlet flare connection

## NITROGEN PRESSURE TESTING 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



Part No.	<b>RS-750-RIG</b>
Max. inlet pressure	300 bar
Outlet pressure range	0 - 50 bar (0 - 750 psi)
Connector type	1/4" outlet flare

## 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



Product	Length (inches)	Part No.	Product	Length (inches)	Part No.
Supahose	12"	<b>120404</b>	Supahose	36"	<b>360404</b>
Supahose	15"	<b>150404</b>	Supahose	48"	<b>480404</b>
Supahose	18"	<b>180404</b>	Supahose	60"	<b>600404</b>
Supahose	24"	<b>240404</b>	Supahose	78"	<b>780404</b>
Supahose	30"	<b>300404</b>			



## PVR NITROGEN PRESSURE AND VACUUM MANIFOLD SET

- 2-in-1 Nitrogen pressure and vacuum testing manifold
- 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



Part No. **PVR SET**

- |            |  |
|------------|--|
| In the box | <ul style="list-style-type: none"> <li>• x1 PVR Manifold</li> <li>• x2 2 m Stainless Steel braided, 1/4 connection hoses</li> <li>• x1 72" Yellow vacuum hose</li> <li>• x1 1/4 x 5/16 adaptor to suit R410a systems</li> <li>• x1 1/4 x 3/8 vacuum hose adaptor</li> <li>• x1 Manifold hook for easy use,</li> <li>• Instruction Manual</li> <li>• Hard plastic carry case</li> </ul> |
|------------|--|



## 10 BAR (OFN) NITROGEN REGULATOR

- 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



Part No. **RS-150**



## NITROGEN CYLINDER TROLLEY

- Heavy duty cylinder trolley for the safe transportation of 10 L Nitrogen cylinders
- Solid rubber wheels
- Security chain

Part No. **NIT02**



Gas bottle not included

## DIGITAL ALARM THERMOMETER

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

Part No.	<b>RT-905</b>
Units	°C, °F
Temperature range	-50 ~ 200°C / -58 ~ 392°F
Power	x1 AAA (included)
Probe size	230 mm (9")
Dimensions	118 mm (4.6" x 3.3" x 3.3")



## AC DIGITAL CLAMP METER

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

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



## THERMO-ANEMOMETER

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

Part No.	<b>EM20</b>
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

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

Part No.	<b>EM10</b>
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)



## DUAL DIFFERENTIAL THERMOMETER

- 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



Part No.	<b>EM60</b>
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 ± 0.2% of Reading ± 2°F (± 0.1% of Reading ± 1.4°F) J-Thermocouple ± 0.2% of Reading 2°F (± 0.1% of Reading ± 1.4°F)
Measures	T1, T2 & T1-T2
Power	1.5 V AAA x 3 (included)
Dimensions	121 x 60 x 30 mm (4.8 x 2.4 x 1.2")
Weight	180 g (6.2 oz)

## TACHOMETER

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



Part No.	<b>EM30</b>
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 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)

## BALL VALVES AND ADAPTORS

Product	Part No.
Ball Valve R410A 5/16", 1/4 turn	<a href="#">EL33023</a>
Set of 3 Ball Valves (RBY) 1/4" SAE	<a href="#">EL33021</a>
Adaptor 5/16 to 1/4 for R410A	<a href="#">EL30036</a>
R1234YF Adaptor 1/4" FLM x 1/2" ACME FLH	<a href="#">EL33125</a>
R1234YF coupler adaptor	<a href="#">EL33105</a>
10KG Cylinder Adaptor L/H R32 	<a href="#">JAV-CA04218</a>



## VALVE CORE REMOVER / INSTALLER

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

Part No.	<a href="#">EL41550</a>
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## ACCESS VALVES AND CORE TOOLS

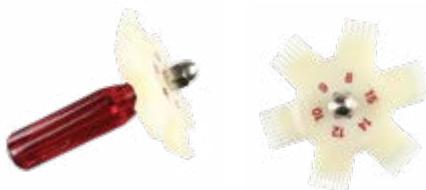
Product	Part No.
Swivel access tee (1/4" x 1/4" x 1/4". Swivel with depressor)	<a href="#">EL34106</a>
Valve Core Removal Tool	<a href="#">S-209</a>
Schrader Valve 1/4"	<a href="#">SU-04</a>
Schrader Valve 5/16" – R410A	<a href="#">SU-05</a>



## FIN COMB

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

Part No.	<a href="#">CH-351</a>
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## 55 MM INSPECTION MIRROR

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

Part No. **M-2**



## STYLO DE-BURRER

- Handy de-burring tool with rotating blade, removes rough or irregular edges of pipe

Part No. **9883750**



## REFCO CAN VALVE

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

Part No. **9881202**



## R134A & R1234YF AUTOMOTIVE COUPLERS

- 1/4" SAE Hose Connection

Product	Part No.
R134A LP depressor	<a href="#">EL30302</a>
R134A HP	<a href="#">EL30312</a>
R1234YF LP	<a href="#">EL30303</a>
R1234YF HP	<a href="#">EL30313</a>



## ALUMINIUM TELESCOPIC LADDER

- Easy to carry and extremely lightweight at just 12kg
- Max Height: 3.2 Metres, Max Load: 150kg
- Trade / Domestic use. BSEN131
- Square rungs with curved non slip rubber feet
- Safety catches on each rung to protect fingers

Part No. **JAV-32TELE**



## CO<sub>2</sub> EQUIPMENT

### CO<sub>2</sub> 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; HP -1 - 50 Bar)
- Set of 3 charging lines 1m long
- Sturdy plastic carry case



Product	Type	Part No.
CO2 2 valve	Sub critical	<a href="#">FR1304-E20</a>
CO2 4 valve	Sub critical	<a href="#">FR1308-4R-E20</a>
CO2 2 valve	Trans critical	<a href="#">FR4312-E25</a>

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 SERVICE &  
 SUPPORT

### CO<sub>2</sub> TRANS CRITICAL RIG

A complete CO<sub>2</sub> trans critical testing rig. Includes:

- 2 Valve manifold with 80mm diameter oil filled gauges (LP -1 - 80 Bar; HP -1 - 160 Bar)
- Set of 3 charging lines 1m long
- 300 bar maximum inlet pressure
- 0-10 bar single stage two gauge CO<sub>2</sub> pressure regulator
- Liquid CO<sub>2</sub> Charging connector c/w safety burst disc assembly
- 1800mm High pressure hose c/w in-built anti-whip cable handle
- 1/4" SAE female flare outlet, for direct connection to system
- Direct connection to CO<sub>2</sub> refrigerant cylinder



Part No.	<a href="#">JAV-2000-144</a>
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## HYDROCARBON EQUIPMENT

### CARESAVER HYDROCARBON

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



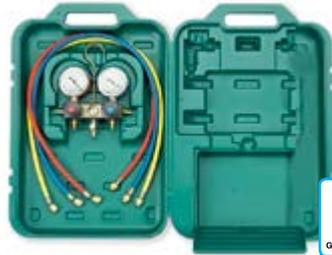
See page 5 for full technical details.

Model / Part No.	CARESAVER110V
	CARESAVER-240V



### BM2-3-DS-R290/R600 HYDROCARBON MANIFOLD

- Hydrocarbon manifold for R290, R600a, R600
- Includes x3 36" hoses Red, Yellow, Blue
- Hard plastic carry case



Part No.	4687382
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### GAS-Mate® TRACE-A-GAS LEAK DETECTOR

- 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
- Small sensor and probe tip permit leak checking in tighter places
- Certified intrinsically safe by MET Laboratories for use in combustive / explosive environments



See page 11 for full technical details.

Product	Part No.
Gas mate	718-202-G1
Sensor	706-700-G1



## A2L EQUIPMENT (R32/R1234YF/ZE)

### XTR-ALTIMA A2L

- Suitable R32, R1234YF plus all standard refrigerants
- Spark proof - 5m hard wired 240V lead
- UL listed ignition protected switches & circuit breaker
- High torque AC motor

See page 4 for full technical details.

Part No. **XTRC2-A2L**



### BULLDOG A2L SPARK PROOF VACUUM PUMP

- Spark proof design
- Two stage oil sealed vacuum pump
- Isolation solenoid valve
- Dual-oil demister to prevent mist & smoke

See page 6 for full technical details.

Part No. **VBD1622**



### GAS-Mate® LEAK DETECTOR ATEX

- 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

See page 11 for full technical details.

Product	Part No.
Gas mate	<b>718-202-G1</b>
Sensor	<b>706-700-G1</b>



### R32 BOTTLE ADAPTOR

R32 left hand thread bottle adaptor to suit all A-Gas R32 bottles, inc gasket.

Part No. **JAV-CA04218**



## R410A / R32 MANIFOLDS

Product	Part No.
4 Valve, inc. hoses and case, sight glass	<a href="#">EL75172</a>
2 Valve, inc. hoses and case, sight glass	<a href="#">EL86372</a>
2 Valve, inc. hoses and case, no sight glass	<a href="#">EL66372</a>
4 Valve, manifold only, sight glass	<a href="#">EL75700</a>
2 Valve, manifold only, sight glass	<a href="#">EL74400</a>
2 Valve, manifold only, no sight glass	<a href="#">EL66300</a>



## Wey-TEK® HD WIRELESS SCALE

- The worlds first and most advanced Bluetooth enabled refrigerant scale.
- This large wireless platform communicates and displays data through your smartphone (optional hand piece available - see below)
- Offering Full F-Gas traceability for the low / high alarm settings and easy monitoring on the charge or recovery process.
- A FREE downloadable app to your smartphone (compatible with IOS iPhone 4S and above and Android).
- The apps 'JOB LOG' feature keeps track and stores your data which can then be emailed or taken as a 'Snapshot'.



See page 14 for full technical details.

Part No. [719-202-G1](#)



## Wey-TEK® HD WIRELESS HAND PIECE

- Bluetooth Hand piece to suit the Wey-TEK HD Wey-TEK-HD wireless base with optional hand piece
- 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.

See page 14 for full technical details.

Part No. [719-715-G1](#)





## DIGIMONS

### SE - DIGITAL 2 VALVE & 4 VALVE DIGITAL MANIFOLDS

- All R32 ready
- Suitable for Multi Gas Refrigerants
- All 55 bar maximum allowable manifold pressure



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Product	Includes	Part No.
Digimon-SE-3-Plus	3 x 60" 1/4 SAE, 2 X 60", 1/2" X 20 UNF hoses, plus temp probe & case	4686736
Digimon-SE-3-Plus-Clamp	3 x 60" 1/4 SAE, 2 X 60", 1/2" X 20 UNF hoses, plus temp probe, case & clamp	4686737
Digimon 4-3-Plus	3 x 60" 1/4 SAE, 2 X 60", 1/2" X 20 UNF hoses, plus temp probe & case	4686740
Digimon-SE-8	Manifold only 2 x temp probes, case	4686735

## MANIFOLDS

### 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
SM2-8-DS-R422 2 Valve Manifold	R422A, R422D, R417A	4682102
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

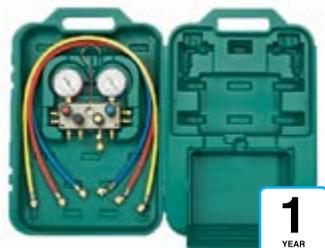


**1**  
YEAR  
GUARANTEE

### 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



**1**  
YEAR  
GUARANTEE



## R410A MANIFOLDS

- All 54 bar Max allowable manifold pressure

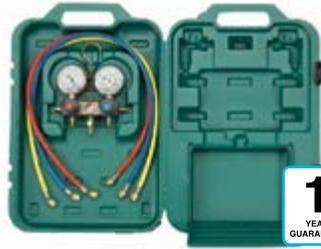
Product	Refrigerant	Includes	Part No.
BM2-3-DS-R410A 2 Valve Manifold Kit	R410A	36" Hose & Case	<a href="#">9884707</a>
APEX-8-DS-R410A 2 Valve Manifold No Sight Glass	R410A		<a href="#">4681008</a>



## 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	<a href="#">4663506</a>
BM2-6-DS-CLIM	R410A, R22, R407C	5 x 36" Hoses blister pack	<a href="#">4663298</a>

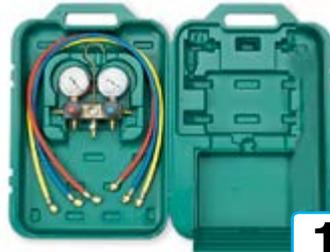


**1**  
YEAR  
GUARANTEE

## BM2-3-DS-R290/R600 HYDROCARBON MANIFOLD

- Hydrocarbon manifold for R290, R600a, R600
- Includes x3 36" hoses Red, Yellow, Blue
- Hard plastic carry case

Part No. [4687382](#)



**1**  
YEAR  
GUARANTEE



## 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 (x1 gauge, x1 clamp) or 2 sets (x2 gauges, x2 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
- Hard plastic carry case



**NEW!**

TAP Gauge  
4687787

TAP-Clamp  
4687785

Product	Part No.
TAP-Set	<b>4687788</b>
TAP-Double SET	<b>4687789</b>
TAP Gauge	<b>4687787</b>
TAP-Clamp	<b>4687785</b>
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



## HOOK ON THERMOMETER

- Scale -40 to + 40°C
- Ø 65mm

Product	Part No.
4503643	<b>4503643</b>



## 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	<b>9881042</b>
	3.0m	<b>9881041</b>
	4.5m	<b>9881041</b>
	7.5m	<b>9881039</b>
60mm	1.5m	<b>9881046</b>





## REFCO 1/4" HOSE SETS

Product	Description	Part No.
72"	Blue, Red, Yellow	<a href="#">9881275</a>
36"	Blue, Red, Yellow	<a href="#">9881278</a>



## REFCO 1/4" EXTENDED LENGTH SINGLE HOSES

Product	Description	Part No.
120"	Blue	<a href="#">9881249</a>
	Red	<a href="#">9881258</a>
	Yellow	<a href="#">9881267</a>
200"	Blue	<a href="#">9883279</a>
	Red	<a href="#">9883280</a>
	Yellow	<a href="#">9883281</a>



## REFCO 1/4" SINGLE HOSES WITH BALL VALVE 72"

Product	Description	Part No.
CA-CL-72-B	Blue	<a href="#">4492979</a>
CA-CL-72-R	Red	<a href="#">4492987</a>
CA-CL-72-Y	Yellow	<a href="#">4492995</a>



## REFCO R410A HOSE SET 1/4 X 5/16"

Product	Description	Part No.
CCL-36-1/2"-20UNF	36" hose set	<a href="#">9884094</a>



## REFCO HEAVY DUTY VACUUM HOSE 3/8"

Product	Description	Part No.
HCL6-72-Y	Yellow 72"	<a href="#">9881312</a>





## REPLACEMENT GAUGES

Product	Part No.
63mm High pressure gauge R22,R134A,R404A	<a href="#">7462396</a>
63mm Low pressure gauge R22,R134A,R404A	<a href="#">7462426</a>
63mm High pressure gauge R410A	<a href="#">7456001</a>
63mm Low pressure gauge R410A	<a href="#">7455896</a>
Blank Compound Gauge for snap on series	<a href="#">7017432</a>
R422 80mm Low pressure manifold gauge R422A, R422D, R417A	<a href="#">4682064</a>
R422 80mm High pressure manifold gauge R422A, R422D, R417A	<a href="#">4682072</a>
80mm Multi Gas Compound Gauge R22, R134A, R404A, R407C	<a href="#">7138754</a>
80mm Multi Gas Pressure Gauge R22, R134A, R404A, R407C	<a href="#">7141265</a>



## REFCO MANIFOLD KNOBS

Product	Description	Part No.
M2-7-SET-B+R	Set of 2, red, blue	<a href="#">4687079</a>
M4-7-SET-B+N+R+Y	Set of 4, red, blue, black, yellow	<a href="#">4687094</a>



## REFCO REPLACEMENT HOSE GASKETS

Product	Description	Part No.
P-509-T/10	Teflon gaskets pack of 10	<a href="#">9880871</a>
P-510/10	O-Ring gasket for 3/8 hoses pack of 10	<a href="#">9880870</a>
P-513/10	Valve hose depressors pack of 10	<a href="#">9880869</a>





## REF METER OCTA

- 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



Part No.	<b>4679462</b>
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 (10 lbs)
Dimensions	32 x 5 cm (12.6" x 2")
Carry case	Soft carry case



## REF-VAC

Part No.	<b>4686712</b>
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 tha 18000 microns
Battery life	40 hours
Over pressure	Max 34 bar





## 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

Product	Part No.
Hydraulic Expander kit	<b>HY-EX6</b>
Hydraulic Expander only	<b>4687048</b>
Dimensions	Length: 25cm (10") Width: 4.5cm (1.75") Height: 12cm (5")
Weight	1.2kg (2.6lbs)
Tube materials	Soft tubing only: copper, aluminium, brass



## STYLO-DE-BURRER

A handy De-Burring tool with a rotating blade. Removes rough of irregular edges of pipe.

Product	Part No.
Stylo De-Burrer	<b>9883750</b>



## CHECK VALVE

Comes with flare cap and schrader

Product	Description	Part No.
9884167	Half union 1/8" NPT x 1/4" SAE	<b>9884167</b>



## REFCO CAN VALVE

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

Product	Part No.
Check Valve	<b>9881202</b>





## OIL CHARGE PUMP

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.



Product	Part No.
Oil Charge Pump	<a href="#">9881559</a>

## OIL CHANGE PUMP

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



Product	Part No.
Oil Change Pump	<a href="#">9881557</a>

## INSTALLATION LIFTER

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.



Model	Part No.
LFT-230	<a href="#">4682888</a>
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



## COMBI

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 fulfills all your requirements.

Part No.	<b>3004046</b>
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)



## Gobi II

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.

Part No.	<b>3004045</b>
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)



## COUGAR

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

Part No.	<b>COU.6000.0</b>
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





## LIQUID LEVEL CONTROLLER FOR ICE-BANKS

The intelligent Ice-bank controller.

The basic principle of ice-bank regulators is based on the different electrical conductivity of water and ice. If the thickness of the ice which has formed is sufficient to bridge the two electrodes on the condensing coil then the output relay switches off and interrupts any further cooling process. When the ice layer has melted away again, the relay switches on again and the cooling process is resumed.



Model	Part No.
COU.6000.0	<a href="#">ICL.1012.0</a>



## HEAD PRESSURE CONTROLLER

Control systems for condensate units in air conditioners and refrigeration equipment. This standard product range of control units is designed for commonly used, air-cooled condensate units in air conditioners and cooling equipment. The controller determines the speed, point in time and the duration of ventilator operation in order to achieve maximum efficiency when using the air conditioner.

- No excessive condensing of water even for external temperatures of up to -20°C
- No iced up evaporators inside buildings
- Increased efficiency through use of shorter compressor operating times
- The condensation temperature is easily adjusted
- Suitable for all refrigerants
- No sludge build-up in liquids – a longer working life of the compressor



Model	Part No.
HPC.0100.2	<a href="#">HPC.0100.2</a>



## 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.
ICM.4040.0 Inverter Phase Check	<a href="#">ICM.4040.0</a>
ICM.2508.0 Crocodile Clip Cable 1m	<a href="#">ICM.2508.0</a>





## 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-89667**



## SOFT GRIP ADJUSTABLE WRENCH

Size	Part No.
150mm	<b>JAV-24893</b>
200mm	<b>JAV-24894</b>
250mm	<b>JAV-24896</b>
300mm	<b>JAV-24897</b>



## VDE INSULATED SCREWDRIVER FLATHEAD

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



## VDE INSULATED SCREWDRIVER POZI

Size	Part No.
60mm x No.0	<b>JAV-69227</b>
80mm x No.1	<b>JAV-69228</b>
100mm x No.2	<b>JAV-69229</b>



## 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**



## 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**



## SPIRIT LEVEL 900MM

Part No. **JAV-13397**



## SPIRIT LEVEL 300MM

Part No. **JAV-13382**



## TAPE MEASURE 3M/10FT

Part No. **JAV-75298**



## LADDER CAR ROOF CLAMPS

Part No. **JAV-24807**



## RIVET GUN WITH RIVETS

Part No. **JAV-27847**



## 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-68411**



## HACKSAW BLADES PACK OF 5 (FITS JAV-68411)

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**





## 25M 230V FOUR SOCKET INDUSTRIAL CABLE REEL

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 1.25mm<sup>2</sup> 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.

Part No. **JAV-26342**



## 25M 16A 110V INDUSTRIAL CABLE REEL

Industrial quality with a four socket plate combined with a sturdy metal frame. Complies with BSEN61242, EN60309 and BS50525. BS harmonised cable diameter 1.5mm<sup>2</sup> 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.

Part No. **JAV-71829**



## 3.3KVA 230V TO 110V PORTABLE SITE TRANSFORMER

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.

Part No. **JAV-31264**



## WET/DRY SS 30L VACUUM CLEANER 240V

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.



Part No.	<b>JAV-53006</b>
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 (20.5 lbs)

Spares available on request.



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