

Refrigerant Charging Equipment

REFRIGERANT CHARGING EQUIPMENT

Test Products International Combustible Gas Detectors



No combustible gas equipment installation or service work should be performed without testing for leaks. Check all pipes, fittings, and valves for gas leaks, if any leaks are found repair or replacement should be performed.

Features:

Model 719: The 719 offers 30ppm sensitivity to detect combustible gasses. Easily operated with one hand, leaks are pinpointed using the audio and visual indicators. An adjustable "tic" rate helps eliminate background gas concentration in contaminated environments.

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-TP-719	LEAK DETECTOR, COMBUSTIBLE GAS	

Test Products International Refrigerant Leak Detectors



TPI refrigerant leak detectors feature 400 hours sensor life under normal use. A spare sensor is included with each instrument for a total of 800 hours of continuous use.

- Capable of detecting all existing refrigerants and blends including 404A, PURON® and R-507 (AZ50®)

Features:

Model 750A: The 750A features 400 hour sensor life under normal use. A spare sensor is included with each instrument for a total of 800 hours of continuous use and can detect leaks as small as 0.2 ounces per year (R134a / R22). Detect all existing refrigerants and blends including 404A, PURON® and R-507 (AZ50®). 0.2 ounce per year sensitivity.

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-TP-725L	LEAK DETECTOR, COMBUSTIBLE GAS	
S1-TP-750A	LEAK DETECTOR, REFRIGERANT	

JB CL Series Charging Hoses



Features:

- Blowout resistant depressor and barrel gasket
- Depressor set to ARI Standard for access valve core
- Slotted Coupler prevents back spray

SOURCE 1 PART NO.	DESCRIPTION	COLOR	LENGTH (IN INCHES)	MLP
S1-CCL-36	CL SERIES CHARGING HOSES	COLOR-CODED SETS	36	
S1-CCL-48	CL SERIES CHARGING HOSES	COLOR-CODED SETS	48	
S1-CCL-60	CL SERIES CHARGING HOSES	COLOR-CODED SETS	60	
S1-CCL-72	CL SERIES CHARGING HOSES	COLOR-CODED SETS	72	
S1-CL-36B	CL SERIES CHARGING HOSES	BLUE	36	
S1-CL-36R	CL SERIES CHARGING HOSES	RED	36	
S1-CL-36Y	CL SERIES CHARGING HOSES	YELLOW	36	
S1-CL-48B	CL SERIES CHARGING HOSES	BLUE	48	
S1-CL-48R	CL SERIES CHARGING HOSES	RED	48	
S1-CL-48Y	CL SERIES CHARGING HOSES	YELLOW	48	
S1-CL-60B	CL SERIES CHARGING HOSES	BLUE	60	
S1-CL-60R	CL SERIES CHARGING HOSES	RED	60	
S1-CL-60Y	CL SERIES CHARGING HOSES	YELLOW	60	
S1-CL-72B	CL SERIES CHARGING HOSES	BLUE	72	
S1-CL-72R	CL SERIES CHARGING HOSES	RED	72	
S1-CL-72Y	CL SERIES CHARGING HOSES	YELLOW	72	

Replacement Parts for CL Series Charging Hoses

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-P509	1/4" GASKET	
S1-P90513	DEPRESSOR	

Refrigerant Handling Equipment

REFRIGERANT CHARGING EQUIPMENT

JB CLE Series Charging Hoses



Features:

- Blowout resistant depressor and barrel gasket
- Depressor set to ARI Standard for access valve core

SOURCE 1 PART NO.	DESCRIPTION	COLOR	LENGTH (IN INCHES)	MLP
S1-CCLE-36	CLE SERIES CHARGING HOSES	COLOR-CODED SET	36	
S1-CCLE-48	CLE SERIES CHARGING HOSES	COLOR-CODED SET	48	
S1-CCLE-60	CLE SERIES CHARGING HOSES	COLOR-CODED SET	60	
S1-CCLE-72	CLE SERIES CHARGING HOSES	COLOR-CODED SET	72	
S1-CLE-36B	CLE SERIES CHARGING HOSES	BLUE	36	
S1-CLE-36R	CLE SERIES CHARGING HOSES	RED	36	
S1-CLE-36Y	CLE SERIES CHARGING HOSES	YELLOW	36	
S1-CLE-48B	CLE SERIES CHARGING HOSES	BLUE	48	
S1-CLE-48R	CLE SERIES CHARGING HOSES	RED	48	
S1-CLE-48Y	CLE SERIES CHARGING HOSES	YELLOW	48	
S1-CLE-60B	CLE SERIES CHARGING HOSES	BLUE	60	
S1-CLE-60R	CLE SERIES CHARGING HOSES	RED	60	
S1-CLE-60Y	CLE SERIES CHARGING HOSES	YELLOW	60	
S1-CLE-72B	CLE SERIES CHARGING HOSES	BLUE	72	
S1-CLE-72R	CLE SERIES CHARGING HOSES	RED	72	
S1-CLE-72Y	CLE SERIES CHARGING HOSES	YELLOW	72	

Replacement Parts for CLE Series Charging Hoses

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-P509	1/4" GASKET	
S1-P90513	DEPRESSOR	

JB Enviro-Safe CLS Series Charging Hoses with Secure-Seal Fitting



Features:

- Opens to Full Flow
- Automatically traps refrigerant discharge in hose

SOURCE 1 PART NO.	DESCRIPTION	COLOR	LENGTH (IN INCHES)	MLP
S1-CCLS-36	CLS SERIES CHARGING HOSES	COLOR-CODED SET OF 3	36	
S1-CCLS-48	CLS SERIES CHARGING HOSES	COLOR-CODED SET OF 3	48	
S1-CCLS-60	CLS SERIES CHARGING HOSES	COLOR-CODED SET OF 3	60	
S1-CCLS-72	CLS SERIES CHARGING HOSES	COLOR-CODED SET OF 3	72	
S1-JB-CCLS436	CLS SERIES CHARGING HOSES	COLOR-CODED SET OF 4	36	
S1-JB-CCLS448	CLS SERIES CHARGING HOSES	COLOR-CODED SET OF 4	48	
S1-JB-CCLS460	CLS SERIES CHARGING HOSES	COLOR-CODED SET OF 4	60	
S1-JB-CCLS472	CLS SERIES CHARGING HOSES	COLOR-CODED SET OF 4	72	
S1-CLS-36B	CLS SERIES CHARGING HOSES	BLUE	36	
S1-CLS-36R	CLS SERIES CHARGING HOSES	RED	36	
S1-CLS-36Y	CLS SERIES CHARGING HOSES	YELLOW	36	
S1-CLS-48B	CLS SERIES CHARGING HOSES	BLUE	48	
S1-CLS-48R	CLS SERIES CHARGING HOSES	RED	48	
S1-CLS-48Y	CLS SERIES CHARGING HOSES	YELLOW	48	
S1-CLS-60B	CLS SERIES CHARGING HOSES	BLUE	60	
S1-CLS-60R	CLS SERIES CHARGING HOSES	RED	60	
S1-CLS-60Y	CLS SERIES CHARGING HOSES	YELLOW	60	
S1-CLS-72B	CLS SERIES CHARGING HOSES	BLUE	72	
S1-CLS-72R	CLS SERIES CHARGING HOSES	RED	72	
S1-CLS-72Y	CLS SERIES CHARGING HOSES	YELLOW	72	

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JB Enviro-Safe CLS Series Charging Hoses with Secure-Seal Fitting

Replacement Parts for CLS Series Charging Hoses

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-P90022	REPLACEMENT O-RING	

JB Enviro-Safe CLV Series Charging Hoses with Secure-Seal Fitting



Features:

- Blowout Resistant Depressor and Barrel Gasket
- Quarter turn On/Off
- UL approved Shut-Off ball valve
- Depressor set to ARI Standard for access valve core

SOURCE 1 PART NO.	DESCRIPTION	COLOR	LENGTH (IN INCHES)	MLP
S1-CCLV-36	CLV SERIES CHARGING HOSES	COLORCODED SET	36*	
S1-CCLV-48	CLV SERIES CHARGING HOSES	COLORCODED SET	48*	
S1-CCLV-60	CLV SERIES CHARGING HOSES	COLORCODED SET	60*	
S1-CCLV-72	CLV SERIES CHARGING HOSES	COLORCODED SET	72*	
S1-CLV-36B	CLV CHARGING HOSE	BLUE	36*	
S1-CLV-36R	CLV CHARGING HOSE	RED	36*	
S1-CLV-36Y	CLV CHARGING HOSE	YELLOW	36*	
S1-CLV-48R	CLV CHARGING HOSE	RED	48*	
S1-CLV-48Y	CLV CHARGING HOSE	YELLOW	48*	
S1-CLV-60B	CLV CHARGING HOSE	BLUE	60*	
S1-CLV-60R	CLV CHARGING HOSE	RED	60*	
S1-CLV-60Y	CLV CHARGING HOSE	YELLOW	60*	
S1-CLV-72B	CLV CHARGING HOSE	BLUE	72*	
S1-CLV-72R	CLV CHARGING HOSE	RED	72*	
S1-CLV-72Y	CLV CHARGING HOSE	YELLOW	72*	

* Hoses come with 6" Whip End

Charging Equipment, Manifolds

Manifold Four Valve Brass



The Revolver® has four internal metering ball valves adjust to do finite openings for liquid charging. Sturdy brass construction with hose holders that swivel to the front or back for greater flexibility. Handles are quarter turn to full open and close with gradient marks to help in liquid charging. The full 3/8" bore lets you work quickly and efficiently. As always, the Revolver® is made in the USA.

Features:

- Metering ball valves adjust to do finite openings for liquid charging
- Glow in the dark 3-1/8" gauges R-22, R-404A, R-410A
- 1/4 turn full open/close handle
- Four internal ball valves
- 3/8" port for faster evacuation
- Hose holders swivel to the front and rear for flexibility
- Pull-out proof hanging hook
- Soft grip rubber hand wheels reduce turning to open/close
- Surge dampened gauges for reduced needle movement
- All metal gauges
- No liquid charging adapter necessary
- Made in the USA

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-JB-26225	MANIFOLD,4-WAY,REVOLVER,NO HOSE SET	

Refrigerant Handling Equipment

JB INDUSTRIES INC. REFRIGERANT CHARGING EQUIPMENT

Charging Equipment, Manifolds

Manifolds Two Valve



JB Industries is proud to introduce the Patriot 2-valve brass manifold. Its sleek new bar design paired with easy to grip metal handles and 2-1/2" metal R-410A gauges will make it the go-to manifold for HVAC techs. In addition to these new features, we have incorporated some of our best manifold features such as the free floating o-ring system and swiveling hose holder fittings that are replaceable.

Features:

- New rugged bar design with metal handles
- Free floating O-ring system
- Swiveling hose holders
- Replaceable hose fittings
- 2-1/2" R-410A Only Metal Gauges
- Made in the USA

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-JB-22500	MANIFOLD,CHRG R410A,BRASS,2-VLV,PATRIOT	

JB R22 & R410a Charging Manifolds

Forged Bar R410a Manifolds



SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-23500	NO HOSE SET	
S1-23506	ENVIRO-SAFE HOSE SETS 5' (60")	
S1-23513	ENVIRO-SAFE HOSE SETS WITH BALL VALVE SHUT-OFF 5' (60")	
S1-24225	2-VALVE ALUMINUM MANIFOLD W/O HOSES, 80MM ILLUMINATING GAUGES	
S1-25225	4-VALVE ALUMINUM MANIFOLD W/60" CCL HOSES, 80MM ILLUMINATING GAUGES	

Standard Manifolds



SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-M2-12	STANDARD MANIFOLD BODY ONLY	
S1-M2-22225	STANDARD MANIFOLD W/O HOSES, 80MM GAUGES	
S1-M2-36	WITH 36" STANDARD HOSE SET	
S1-M2-5	WITH 60" STANDARD HOSE SET	
S1-M2-5-410A	STANDARD MANIFOLD W/60" CCL HOSE SET, R410a	
S1-M2-6	3' (36") RED & BLUE AND 5' (60") YELLOW	
S1-M2-8	STANDARD R22 MANIFOLD ONLY (W/O HOSES)	
S1-M2-8-410A	STANDARD MANIFOLD W/O HOSES, R410a	

R22 & R410a Charging Manifold Gauges

Compound Gauges (°F)



Specifications:

Compound Gauges: 30" Vacuum to 120 PSI, Retard to 350 PSI (R410a gauges 250/500 PSI)

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-M2-250	BLUE PLASTIC CASE	
S1-M2-410	R410A COMPOUND GAUGE	
S1-M2-415LF	LIQUID FILLED R410A PRESSURE GAUGE-RED	
S1-M2-460	2-1/2 BLUE COMPOUND GAUGE	
S1-M2-820	80MM ILLUMINATING BLUE COMPOUND GAUGE	

Refrigerant Handling Equipment

JB INDUSTRIES INC. REFRIGERANT CHARGING EQUIPMENT

Pressure Gauges



Specifications:

Pressure Gauges: 0 to 500 PSI (R410a gauges 0 to 800 PSI)

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-M2-415	R410A PRESSURE GAUGE	
S1-M2-465	2-1/2 RED PRESSURE GAUGE	
S1-M2-500	RED PLASTIC CASE	
S1-M2-825	80MM ILLUMINATING RED PRESSURE GAUGE	
S1-M2-820	80MM ILLUMINATING BLUE COMPOUND GAUGE	

SH-35n Superheat Subcooling Gauge

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-SH-35N	SUPERHEAT/SUBCOOLING GAUGE WITH MEMORY (F) IN CASE	

JB Eliminator Vacuum Pump



- Features:
- 3CFM with 1/2 HP motor
- 25 micron field tested (thermistor gauge reading)
- Wide stance feet for stability
- 2-stage direct drive design, O-ring seal drain valve
- Check valve prevents oil backflow during power failure
- Low-profile rocker switch helps prevent damage and accidental shut off
- 16-ounce oil capacity for good contaminant absorption and easy oil changes Completely field repairable

SOURCE 1 PART NO.	DESCRIPTION	FREE AIR DISPLACEMENT	SPECIFICATIONS	MLP
S1-DV-4E	ELIMINATOR VACUUM PUMP	4 CFM	1/2 HP, 115 V, 60 HZ, 1725 RPM	
S1-DV-6E	ELIMINATOR VACUUM PUMP	6 CFM	1/2 HP, 115 V, 60 HZ, 1725 RPM	

JB Platinum Series Vacuum Pumps



Features:

- 2 stage Direct Drive
- 25 micron field tested (Thermistor Gauge reading)
- Check Valve prevents oil backflow during power failure
- Low profile rocker switch
- Completely field repairable
- One micron on a U-tube manometer; 25,400 microns = "1"

Shipping Container Dimensions = 14-7/8"H x 9-5/16"W x 16-1/2"L

SOURCE 1 PART NO.	DESCRIPTION	FREE AIR DISPLACEMENT (L/MIN.)	INTAKE PORTS (MALE FLARE)	OIL CAPACITY	SHIP WEIGHT	MLP
S1-DV-142N	1/2 HP, 115 V, 60 HZ, 1725 RPM	5 CFM (142)	3/8" X 1/4" X 3/8"	23 OZ. (660 CC)	32 LBS.	
S1-DV-200N	1/2 HP, 115 V, 60 HZ, 1725 RPM	7 CFM (200)	3/8" X 1/4" X 3/8"	23 OZ. (660 CC)	30 LBS.	
S1-JB-DV-285N	1/2 HP, 115 V, 60 HZ, 1725 RPM	10 CFM (285)	1/2" X 1/4" X 3/8"	26 OZ. (660 CC)	32 LBS.	
S1-DV-85N	1/2 HP, 115 V, 60 HZ, 1725 RPM	3 CFM (85)	1/4" X 3/8"	27 OZ. (785 CC)	30 LBS.	

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JB Digital Vacuum Gauges



JB's Digital Vacuum Gauge reads vacuum in 7 international units: Microns, PSIA, In Hg, mBars, Pascals, Torr, and mTorr. The DV- N has a micron range of 0 to 9,000 Microns. It is a good idea to attach the micron gauge to the vacuum pump before evacuation to make sure the pump pulls down to at least 50 microns. If it doesn't, your pump is contaminated and the oil should be changed. A compound gauge only indicates that a vacuum is being produced, but does not tell you if moisture or acids are still in the system. The DV- N, however, is the only tool to accurately read the low pressure produced when evacuation/ dehydration is complete.

Note: The DV-22N is not recommended for connection to vacuum pump when blanking off isolation valve.

Features:

- Simple two button operation for convenience
- Sealed touch buttons protect unit against dust and spills
- Low battery indicator lets you know when to replace the 9 volt battery (not included)
- Powers off after 10 minutes to save battery life
- Retractable hanging hook so the DV- N can hang or lie flat
- NIST Traceable
- Leak-proof with O-ring coupler to ensure proper register of vacuum in system
- Digital display with solid state circuitry so there is no adjustment necessary for fluctuating temperatures.
- Saves last vacuum readout after shut down for added convenience

Specifications:

Effective Range: 20–9,000 microns

Ambient Temperature: +32°F to +120°F (0°C to 48.9°C)

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-DV-24N	DV-22N WITH PROTECTIVE CARRYING CASE	

JB Digital Micron Gauge

Supernova Digital Micron Gauge with Case and AC Adapter



JB Industries' SUPERNOVA gauge allows a service technician to be certain when a system is properly evacuated of air and moisture before charging with refrigerant. The SUPERNOVA is accurate from 12,000 microns down to 10 microns. The unit features many user-defined programmable options such as duration of the backlight, programmed shut-off, and the ability to set alarms when system reaches a defined mark. The service technician can customize the SUPERNOVA to fit work habits. Make service calls more efficient without sacrificing quality.

Features:

- Factory calibrated and requires no additional calibration
- Measures in MICRONS, PSIA, INHG, PASCLAS, TORR, MTORR, and MBAR
- If sensor gets contaminated, clean with simple alcohol
- Programmable alarm allows you to perform other tasks
- Duration of backlight is programmable
- Brass fitting on lengthy flexible cord for hard to reach places
- Programmable shut-off
- Large, easy to read LCD screen
- The female connection on this unit allows for direct connection to the A/C unit without need of hose connection
- Operates on three AA batteries (not included)

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-JB-DV-41	MICRON GAUGE, DIGITAL, W/CASE AND AC ADPTR	

Refrigerant Scale



The award-winning Atlas refrigerant charging scale is designed for the HVAC/R industry. Everyday users will appreciate the advanced solid state load cell for superior sensitivity (0.25 oz/10g) and accuracy. 220-lb (100 kg) capacity. All metal construction. Heavy duty carrying case. Easy-to-read display.

SOURCE 1 PART NO.	DESCRIPTION	MLP
S1-DS20000	SCALE, REFRIGERANT CHARGING, 220 LB, ATLAS	