

TOOLS

Hand Tools

Tubing Cutters

Copper



- Enclosed precision feed mechanism for easy, smooth cutting
- Designed to cut softer, thinner-wall materials like copper, aluminum and brass
- Wide rollers with flare cut-off groove for convenience. Ground surface for easy rolling
- Wheel retracts into cutter body to save 1" in cutting radius
- Steel alloy wheels have a sharper cutting wheel edge for less burr on copper, aluminum and mild steel tubing
- Wheels are pinned to rotate in either direction without the screw backing out
- Fold away steel reamer with turned cutting edge for deburring
- Flare cut-off groove for quickly removing damaged flare
- Assembled in the USA

HVAC No.	MFG Part No.	Description	Manufacturer	Price
111150	60101	Tubing Cutter, Cuts 1/8" to 1-1/8" Diameters	Ritchie Engineering	\$80.92
111151	60102	Tubing Cutter, Cuts 1/4" to 1-5/8" Diameters	Ritchie Engineering	\$108.70
111185	60142	Compact Tubing Cutter, Cuts 1/4" to 1-1/8" Diameters	Ritchie Engineering	\$105.80
111203	60160	Compact Tubing Cutter, Cuts 1/8" to 5/8" Diameters	Ritchie Engineering	\$37.55
111149	60100	Replacement Cutter Wheel (For Copper), Fits 60101, 60102, 60103	Ritchie Engineering	\$19.10
128586	R308	Pocket Tube Swivel Deburring Tool	Malco	\$20.75

Plastic



HVAC No.	MFG Part No.	Description	Manufacturer	Price
394395	12123R1	Tube Cutter, Ratcheting, PVC, Cuts up to 1-5/8" OD	Lenox	\$131.71
394408	12121S1	Tube Cutter, PEX, Cuts up to 1-5/16" OD	Lenox	\$57.07

Lineset Tools



HVAC No.	MFG Part No.	Description	Manufacturer	Price
111237	60270	Flare/burnish tool for 3/16" to 5/8" O.D.	Ritchie	\$173.67
380157	60278	Deluxe flaring tool for 1/8" to 3/4" O.D	Ritchie	\$291.50
369254	60295	Flaring tool with eccentric cone for 3/16" to 3/4" O. D	Ritchie	\$242.44
111271	60331	Deluxe Ratchet Hand Bender Kit, Includes Reverse Bend Mandrel	Ritchie	\$372.64
322385	60342	Reverse bending mandrel	Ritchie	\$164.23
111280	60351	6 Pc. Bending Spring Set - 1/4" - 5/8"	Ritchie	\$46.62
111298	60390	3-In-1 Tube Bender, 1/4", 5/16", 3/8" (Bending Radius 15/16")	Ritchie	\$76.71
111320	60440	Swage/flare kit complete 3/16" to 3/4" O.D	Ritchie	\$336.89
111351	60476	5 Pc. Swaging set - 1/4", 5/16", 3/8", 1/2", 5/8"	Ritchie	\$99.68
418736	60493	Hydraulic Expander Kit, Fits Up To 1-5/8" Tubing, Cutter, Reamer	Ritchie	\$991.74
383104	FT800FN	R410A Concentric Flaring Tool, 3/16-3/4"	CPS	\$222.68

Service Tools



HVAC No.	MFG Part No.	Description	Manufacturer	Price
111393	60590	Fan Blade Puller Complete	Ritchie	\$188.80
111397	60612	7 in. Heavy Duty Refrigeration Wrench	Ritchie	\$49.70
111398	60613	Standard Duty Straight Refrigeration Wrench	Ritchie	\$33.81
111400	60616	Offset Refrigeration Wrench	Ritchie	\$34.89
422773	60652	Eight Head Torque Wrench Kit (16, 17, 21, 22, 24, 26, 27 and 29 mm)	Ritchie	\$320.91
111787	78100	Round 3-3/4" Diameter Inspection Mirror - Stainless	Ritchie	\$37.18
111396	60610	Service Wrench, With 60609 Hex Key Valve Adapter	Ritchie	\$49.92

TOOLS

Hand Tools

Torches and Torch Parts

TurboTorch



HVAC No.	MFG Part No.	Description	Price
130447	0386-0505	Adapter Acetylene B Regulator to MC Tank	\$93.63
130444	0386-1090	Replacement 12' Acetylene Hose, "A" Fitting	\$86.83
130445	0386-0725	Replacement "B" Acetylene Regulator	\$182.97
130446	0386-1200	Replacement Acetylene Contents Gauge for AR-B	\$74.43
130443	0386-0308	Replacement Handle for AR-B	\$163.28
130448	1421-0016	Tote for "B" Tank	\$129.27
130451	0916-0004	Disposable Propane Tank, 14.1 Ounce	\$18.39
373655	0916-0122	Disposable Propylene Based Fuel Gas Tank, 14.1 Ounce	\$22.44
389715	0386-1370	Nitrogen Purge Kit (Regulator, Hoses, Tips, Plugs, CO2 Adapter)	\$821.33
390148	0386-1226	Tank Key for B & MC Tanks	\$8.54
367903	1423-0023	Round File Spark Lighter	\$8.84
367904	1423-0024	Replacement Lighter Flint for L-1, Pack of 5	\$7.08
130438	0386-0818	Tip Swirl, Air Acetylene, Self Lighting, Up To 3/4"	\$214.68
130439	0386-0834	Tip Swirl, Air Acetylene, Self Lighting, Up To 1"	\$223.76
130437	0386-0104	Tip Swirl, Air Acetylene, Manual Light, Up to 1-5/8"	\$184.95
130434	0386-0101	Tip Swirl, Air Acetylene, Manual Light, Up to 1/2"	\$141.57
130435	0386-0102	Tip Swirl, Air Acetylene, Manual Light, Up to 3/4"	\$167.49
130436	0386-0103	Tip Swirl, Air Acetylene, Manual Light, Up to 1"	\$174.15
160621	0386-0105	Tip Swirl, Air Acetylene, Manual Light, Up to 2"	\$227.41
130432	0386-0335	Torch Kit With A-3 and A-11 Tips	\$573.63
130433	0386-0338	Torch Kit with A-5 Tip	\$451.02
367901	0386-0339	Torch Kit with A-3 and A-8 Tips	\$575.32
326704	0386-0814	Nitrogen Regulator, DOT and TC Certified	\$201.94
317909	0386-0851	Torch Swirl, MAP-Pro/LP Gas, Self Lighting	\$187.37

Holesaws and Drillbits



HVAC No.	MFG Part No.	Description	Price
394411	1779801	Hole Saw Arbor 2L. Fits hole saws 1-1/4" to 6", 1/2" Shank.	\$52.62
394413	1779805	Hole Saw Quick Change Arbor 6L. Fits 1-1/4" to 6", 3/8" Shank.	\$51.24
394433	1779804	Hole Saw Arbor 5L. Fits 9/16" to 1-3/16", 3/8" Shank.	\$33.62
436717	30851-56PD	Repl. Pilot Drill Bit, 1/4" 3" Long, Fits Arbors 1L, 2L, 4L	\$9.15
394441	1779771	Repl. Pilot Drill Bit, 1/4", 4-1/4" Long, Fits Arbors 1L, 2L, 4L	\$11.15
394442	1779810	Repl. Pilot Drill Bit, 1/4" 3-1/4" Long, Fits Arbors 2L,3L,5L,6L,7L	\$9.88
394389	30830600R	Hole Saw Kit, 8 piece. 7/8" - 2-1/2", 3/8" Shank (5L, 6L Arbors)	\$258.96
394403	3006666L	Hole Saw 66L, 4-1/8", fits Arbors 2L, 3L, 6L, 7L	\$69.56
394423	3004848L	Hole Saw 48L, 3", fits Arbors 2L, 3L, 6L, 7L	\$38.17
394424	3004040L	Hole Saw 40L, 2-1/2", fits Arbors 2L, 3L, 6L, 7L	\$40.92
394427	3003434L	Hole Saw 34L, 2-1/8", fits Arbors 2L, 3L, 6L, 7L	\$37.97
394434	3003232L	Hole Saw 32L, 2", fits Arbors 2L, 3L, 6L, 7L	\$31.44
394435	3002222L	Hole Saw 22L, 1-3/8", fits Arbors 2L, 3L, 6L	\$25.04
394436	3002626L	Hole Saw 26L, 1-5/8", fits Arbors 2L, 3L, 6L, 7L	\$25.04
394437	3001818L	Hole Saw 18L, 1-1/8", fits Arbors 1L, 4L, 5L	\$23.78
394438	3001010L	Hole Saw 10L, 5/8", fits Arbors 1L, 4L, 5L	\$21.60
394439	3001414L	Hole Saw 14L, 7/8", fits Arbors 1L, 4L, 5L	\$21.60
394390	30912VB12	Vari-Bit Step Drill Bit, 7/8", 1-1/8", 1-7/32", 1-1/4", 1-3/8"	\$204.23
394392	30888VB11	Vari-Bit Step Drill Bit, 7/8", 1-1/8"	\$178.79
394393	30882VB2	Vari-Bit Step Drill Bit, 9 sizes, 1/2" - 1"	\$133.25
394394	30887VB7	Vari-Bit Step Drill Bit, 7/8"	\$113.70
394396	30883VB3	Vari-Bit Step Drill Bit, 9 sizes, 1/4" - 3/4"	\$100.63
394398	30881VB1	Vari-Bit Step Drill Bit, 13 sizes, 1/8" - 1/2"	\$76.47
97650	WB112	Spade Drill Bit for Wood, 1-1/2"	\$22.59
97653	WB6K	6 Piece Spade Drill Bit Set for Wood, 3/8" - 1"	\$70.42

TOOLS

Hand Tools

Reciprocating Saw Blades



HVAC No.	MFG Part No.	Description	Manufacturer	Package	Price
394425	20576800RG	Carbide Grit Edge, 8" x 3/4"	Lenox	2/Pack	\$20.17
394428	20562610R	For General Purpose, 10 TPI, 6" x 3/4"	Lenox	5/Pack	\$35.93
394388	20580810R	For General Purpose, 10 TPI, 8" x 3/4"	Lenox	5/Pack	\$45.47
394446	20583110R	For General Purpose, 10/14 TPI, 12" x 3/4"	Lenox	5/Pack	\$69.50
394432	12129635R	For General Purpose, 10/14 TPI, 6" x 3/4"	Lenox	5/Pack	\$35.93
394417	12130835R	For General Purpose, 10/14 TPI, 8" x 3/4"	Lenox	5/Pack	\$43.63
413929	201809118R	For Heavy Metal, Lazer Series, 18 TPI, 9" x 1" x .035"	Lenox	5/Pack	\$63.65
394429	20564614R	For Metal, 14 TPI, 6" x 3/4"	Lenox	5/Pack	\$36.98
394430	20566618R	For Metal, 18 TPI, 6" x 3/4"	Lenox	5/Pack	\$36.63
394416	20578818R	For Metal, 18 TPI, 8" x 3/4"	Lenox	5/Pack	\$41.71
394431	20568624R	For Metal, 24 TPI, 6" x 3/4"	Lenox	5/Pack	\$35.93
394418	21067614GR	For Metal, Gold Series, 14 TPI, 6" x 3/4"	Lenox	5/Pack	\$43.23
394419	21069618GR	For Metal, Gold Series, 18 TPI, 6" x 3/4"	Lenox	5/Pack	\$43.23
394410	21070818GR	For Metal, Gold Series, 18 TPI, 8" x 3/4"	Lenox	5/Pack	\$54.14
394420	21072624GR	For Metal, Gold Series, 24 TPI, 6" x 3/4"	Lenox	5/Pack	\$43.23
394404	20585156R	For Wood, 6 TPI, 12" x 3/4"	Lenox	5/Pack	\$69.50
394391	20530B656R	For Wood, 6 TPI, 6" x 3/4"	Lenox	25/Pack	\$192.94
394409	20582956R	For Wood, 6 TPI, 6" x 3/4"	Lenox	5/Pack	\$58.34
394422	20572656R	For Wood, 6 TPI, 6" x 3/4"	Lenox	5/Pack	\$38.57
394421	20570636RP	For Wood, 6 TPI, 9" x 3/4"	Lenox	5/Pack	\$42.83
394412	21060656GR	For Wood, Gold Series, 6 TPI, 6" x 3/4"	Lenox	5/Pack	\$46.99
394405	21062956GR	For Wood, Gold Series, 6 TPI, 9" x 3/4"	Lenox	5/Pack	\$67.47

Nut Drivers



HVAC No.	MFG Part No.	Description	Manufacturer	Price
418725	CONNEXT4	9 Piece Hex Kit, Includes Drivers, Handles	MALCO	\$148.59
440959	CONNEXT1	Quick Change Handle, Full Grip Handle	MALCO	\$21.03
440973	CONNEXT2	Quick Change Handle, Stubby Grip Handle	MALCO	\$20.09
440974	CONNEXT3	Quick Change Handle, Ratcheting Handle	MALCO	\$24.75
97558	HHD1	Hex Drivers, Magnetic, Long Driver, 1/4"	MALCO	\$32.82
97559	HHD2	Hex Drivers, Magnetic, Long Driver, 5/16"	MALCO	\$33.75
145055	HHD2S	Hex Drivers, Magnetic, Standard Length Driver, 5/16"	MALCO	\$32.16
145054	HHD1S	Hex Drivers, Magnetic, Standard Length Driver, 1/4"	MALCO	\$31.64
418727	HHD1T	Hex Drivers, Magnetic, Stubby Driver, 1/4"	MALCO	\$30.01
418728	HHD2T	Hex Drivers, Magnetic, Stubby Driver, 5/16"	MALCO	\$30.49
125242	MSHXL14	Hex Drivers, Magnetic, Chuck, 1/4"	MALCO	\$29.68
130200	MSHXL516	Hex Drivers, Magnetic, Chuck, 5/16"	MALCO	\$34.83
97590	MSH14	Hex Shank Power Bt, Magnetic Hex Driver, 1/4"	MALCO	\$10.78
97592	MSH516	Hex Shank Power Bt, Magnetic Hex Driver, 5/16"	MALCO	\$13.07

Knives and Knife Blades



HVAC No.	MFG Part No.	Description	Package	Price
394443	20350GOLD5C	Utility Knife Blade, Gold Series	5/Pack	\$7.08
394426	10771FLK1	Utility Knife, Folding, Locking, w/ Builtin Wire Stripper		\$37.47

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Miscellaneous

HVAC No.	MFG Part No.	Description	Manufacturer	Price
97570	L9M	Torpedo Level	Malco	\$53.72
97505	A60	Adjustable Scriber, From 1/4" to 12-1/2"	Malco	\$40.26
97455	18	Divider, Maximum diameter circle 32"	Malco	\$39.42
145059	WSC8	Plier, Electrical (Cutter/Stripper/Crimper),	Malco	\$60.35
394637	PCLD6	Pocket 6-LED Flashlight		\$29.39
394440	23931	Screwdriver, Six In One	Lenox	\$20.81
396000	23932	Screwdriver, Nine in One	Lenox	\$29.15
418729	1787422	Electrician's Tote, Heavy Duty	Lenox	\$150.50
436735	20992	Folding Jab Saw	Lenox	\$51.81
349019	T425M	1" x 25' Magnetic Tip Tape Measure	Malco	\$48.07

Gloves and Shoe Covers

HVAC No.	MFG Part No.	Description	Manufacturer	Price
112513	SCS-GLOVE-L-2	Gloves, Disposable Nitrile, Large, 4 Mil, Powder Free, 100/Box	Mitco	\$57.57
112515	SCS-GLOVE-XL-2	Gloves, Extra Large, 4 Mil, Powder Free, 100/Box	Mitco	\$57.57
351334	C-SB-SC-WP-DB	Shoe Covers, Waterproof, Dark Blue, Box of 40 Pairs	Shubee	\$49.46
159768	SB-R-01	Shoe Covers, Cloth, Red, Box of 50 Pairs	Shubee	\$55.66
144907	SB-DB-01	Disposable Shoe Covers, Cloth, Dark Blue, Box of 50 Pairs	Shubee	\$59.27

Hand Cleaners and Towels

HVAC No.	MFG Part No.	Description	Manufacturer	Price
322170	5-42272	Waterless Hand Wipes, Bucket of 75	Diversitech	\$29.94
369888	5-05790	Wipe All Plus Towels, Box of 100	Diversitech	\$21.80
369886	5-34790	Teri Towels, Box of 126		\$27.15
369887	HCP-15	Fast Orange Hand Cleaner		\$11.51

Duct Tools

Sheet Metal

Snips



HVAC No.	MFG Part No.	Description	Manufacturer	Price
425605	AV1	Snip, Straight, Cuts Left (Red Handle)	Malco	\$26.82
425607	AV2	Snip, Straight, Cuts Right (Green Handle)	Malco	\$26.82
425609	AV3	Snip, Straight, Cuts Multi (Yellow Handle)	Malco	\$26.82
442821	AV6	Snip, Offset, Cuts Left (Red Handle)	Malco	\$34.52
442823	AV7	Snip, Offset, Cuts Right (Green Handle)	Malco	\$34.52
415728	AV8	Snip, Vertical, Cuts Left (Red Handle)	Malco	\$42.15
415729	AV9	Snip, Vertical, Cuts Right (Green Handle)	Malco	\$58.12
125240	MC12N	Snip, Andy 12" Aluminum Handled	Malco	\$91.87
424742	M2004	Snip, Double Cut (Yellow Handle)	Malco	\$119.15

Hand Forming Tools-Seamers



HVAC No.	MFG Part No.	Description	Manufacturer	Price
394397	22210S2	3 Inch Seamer	Lenox	\$95.06
411577	S3R	Offset Hand Seamer, 3" Wide Jaws	Malco	\$137.92
411578	S6R	Offset Hand Seamer, 6" Wide Jaws	Malco	\$168.56

TOOLS

Duct Tools

Sheet Metal

Hand Forming Tools-Crimpers



HVAC No.	MFG Part No.	Description	Manufacturer	Price
394399	22209C5	5 Blade Crimper	Lenox	\$77.13
394415	22208C3	3 Blade Crimper	Lenox	\$48.77

Hand Forming Tools-V-Notch



HVAC No.	MFG Part No.	Description	Manufacturer	Price
394400	22211N2	1 Inch V-Notcher	Lenox	\$75.06

Hand Forming Tools-Punch



HVAC No.	MFG Part No.	Description	Manufacturer	Price
394402	22212SL1	Snap Lock Punch	Lenox	\$75.06

Hand Forming Tools-Duct Stretcher



HVAC No.	MFG Part No.	Description	Manufacturer	Price
97516	DS1	Duct Stretcher	Malco	\$66.70
97518	DS2	Duct Stretcher with Offset Handle	Malco	\$70.73
97517	DSC1	Replacement Wheel Set for DS1, DS2	Malco	\$21.23

Hand Forming Tools-Folding Tools



HVAC No.	MFG Part No.	Description	Manufacturer	Price
97448	12F	Folding Tool, 12" Long, 3/8" and 1" Depths	Malco	\$38.35
97456	18F	Folding Tool, 18" Long, 3/8" and 1" Depths	Malco	\$53.53
97461	24F	Folding Tool, 24" Long, 3/8" and 1" Depths	Malco	\$70.93

Hole Cutters



HVAC No.	MFG Part No.	Description	Manufacturer	Price
97556	HC2	Large Diameter Hole Cutter, Hole Sizes 2" - 20", Cuts up to 20 ga.	Malco	\$200.73
97553	HC1	Large Diameter Hole Cutter, Hole Sizes 2" - 12", Cuts up to 20 ga.	Malco	\$165.99
97554	HC1B	Pivot Pin Set for HC1	Malco	\$26.44
378910	HC1D	Thrust Bearing	Malco	\$51.28
378911	HC1E	Adjustment Sleeve w/Screw	Malco	\$20.61
378912	HC1G	Guide for HC1	Malco	\$6.62
378914	HC1I	Shoe Screw	Malco	\$5.28
378915	HC1K	Redesigned Ball Bearing for HC1 for Black Casting	Malco	\$25.48
352122	CBB	Cutting Bits for HC-1 & HC-3, Pack of 6	Malco	\$142.98
97511	CB	Replacement Cutter Bit for HC1 and HC2, Pack of 1	Malco	\$30.67

TOOLS

Duct Tools

Sheet Metal

Shears



HVAC No.	MFG Part No.	Description	Manufacturer	Price
323718	TSHD	TurboShear with 360 Degree Rotating Head	Malco	\$235.03
323176	TSDC	Drill Clamp Kit w/360 Degree Feature for TS1	Malco	\$56.47
162440	TS1	TurboShear Tool, Fits Drills	Malco	\$134.11
162441	TS1RB	Replacement Blade Set for TS1	Malco	\$70.77

Fiberglass

Bostich Staple Gun



HVAC No.	MFG Part No.	Description	Price
84046	PC4000-0C2	Staple Gun, Outward Clinch, 9/16", Takes STYCR5019 Staples	\$146.23
356381	STCR5019-1/2	Staples to Fit Bostich PC4000, 1/2", Box of 4000	\$25.59
84079	STCR5019-3/8	Staples to Fit Bostich PC4000, 3/8", Box of 5000	\$25.59
84080	STCR5019-9/16	Staples to Fit Bostich PC4000, 9/16", Box of 4000	\$29.48

Hand Tools

HVAC No.	MFG Part No.	Description	Manufacturer	Price
413335	HVAC-TAPE3	Handheld Dispenser for 3" Aluminum Foil Tape	Supreme	\$91.39

Hand Tools-Stapler



- Automatically adjusts to setup staple and guides it through the fastening mechanism without risk of jamming or deforming
- Staple strips are joined together, allowing staples to separate cleanly as they are engaged
- Made in the USA

HVAC No.	MFG Part No.	Description	Manufacturer	Price
352694	FBSN1	Staples to fit Malco FBSN, 1-1/2", Box of 200	Malco	\$64.90
352695	FBSN2	Staples to Fit Malco FBSN, 2-1/2", Box of 200	Malco	\$69.01
352693	FBSN	Foamboard Stapler	Malco	\$626.69

Hand Tools-Tensioning Tool

- Works with 175 lb ties and 125 lb ties
- Made in the USA



HVAC No.	MFG Part No.	Description	Manufacturer	Price
97644	TY4G	Tensioning Tool with Manual Cutoff	Malco	\$100.34

Hand Tools-Knives



HVAC No.	MFG Part No.	Description	Manufacturer	Price
97524	FGFL	Female Shiplap Knife for 1 1/2" Board, Red Handle	Malco	\$47.41
97523	FGF	Female Shiplap Knife for 1" Board, Green Handle	Malco	\$45.45
97526	FGM	Male Shiplap Knife for 1" Board, Blue Handle	Malco	\$45.45
97527	FGML	Male Shiplap Knife for 1-1/2" Board, Yellow Handle	Malco	\$47.89
354410	DK6S	Serrated Duct Knife With Sheath	Malco	\$38.90

Hand Tools-Hole Cutter



HVAC No.	MFG Part No.	Description	Manufacturer	Price
97522	FG1	Hole Cutter for 1" Ductboard, 4"-20"	Malco	\$102.70
97566	KBHC	Optional Blade for FG1 Hole Cutter to cut 1-1/2" Board	Malco	\$18.70

TOOLS

Duct Tools

Flex Duct



HVAC No.	MFG Part No.	Description	Manufacturer	Price
97645	TY6	Tie Tool with Adjustable Auto Cut-Off	Malco	\$131.58
97520	FDC1	Flex Duct Cutter	Malco	\$104.37

Refrigeration Tools

Weigh Scale



- Eliminates refrigerant transfer from tank to cylinder to system
- Works with any refrigerant in any system

HVAC No.	MFG Part No.	Description	Manufacturer	Price
369501	68802	Digital Electronic Charging Scale, 110 pounds	Ritchie	\$614.83

Adaptors and Couplers



HVAC No.	MFG Part No.	Description	Manufacturer	Price
109773	19105	Cylinder Valve Adapter, 125 & 145 Pound Cylinder	Ritchie	\$37.77
109775	19109	SealRight™ Quick Coupler, 1/4", Straight	Ritchie	\$37.51
368784	19121	Quick Coupler, 5/16", Straight by 1/4" Male Flare	Ritchie	\$28.97
109790	19131	Adapter, 1/2" Female Flare by 3/8" Male Flare	Ritchie	\$22.79
109821	19209	SealRight™ Coupler, 1/4" 90 Degree by 1/4" Male Flare	Ritchie	\$36.63
368772	41123	1/4" Liquid Charging Adapter	Ritchie	\$26.33
111395	60609	Hex Key Valve Adapter, Fits 3/16" and 5/16"	Ritchie	\$25.56
111396	60610	Service Wrench, With 60609 Hex Key Valve Adapter	Ritchie	\$49.92
111770	78076	Test Gauge, 0-15 PSI Range, Fits 1/2" NPT	Ritchie	\$37.82
109696	18001	Replacement Gasket for Cylinder Valve Adapter 19105	Ritchie	\$19.45

Manifolds and Gauges

Analog



- Fourth hose to enable connection to hi-/lo-sides, refrigerant tank and recovery unit or vacuum pump for diagnostics, evacuation and charging without switching hoses
- 3/8" Vacuum port for use with larger hose to cut evacuation time by up to 33% (all other fittings are 1/4")
- Front access for easy field recalibration
- Double "O" ring piston for reliability and long service life
- Exclusive 100 mesh filter in-line on all flare fittings helps keep out particulate material and extend the life of the seats
- Sight glass to easily view refrigerant movement and condition during charging and recovery
- Heavy duty hook won't pull out
- Also available with 3-1/2" (80 mm) red and blue liquid-filled gauges
- Manifold and hose holder fittings 1/4"-3/8"-1/4"-1/4" unless otherwise identified
- Made in the USA

HVAC No.	MFG Part No.	Description	Manufacturer	Price
369464	49968	Titan™ Manifold, 4-Valve, With 60" Hoses	Ritchie	\$508.73
356512	46013	Brute II™ 4-Valve Manifold, Scaled for R22/404A/410A, With 60" Hoses	Ritchie	\$691.92
369463	49960	Titan™ 4-Valve Manifold, Scaled for R410A, With 60" Hoses	Ritchie	\$508.73
112143	93850	SuperEvac™ Evacuation Manifold, Single Valve	Ritchie	\$172.92
369283	42004	Series 41 Manifold, 2-Valve, Scaled for R410A/22, With 60" Hoses	Ritchie	\$252.43
440338	42041	Manifold Only, Heat Pump, Scaled for R22/407C/410A	Ritchie	\$173.03
368725	49100	Repl. Crystal, 80mm, For Titan™ Manifold	Ritchie	\$13.75
368924	49137	Repl. Gauge, Red, Fits Titan™ Manifold, Scaled for R22/404A/410A	Ritchie	\$56.80
368925	49138	Repl. Gauge, Blue, Fits Titan™ Manifold, Scaled for R22/404A/410A	Ritchie	\$56.80
368922	49135	Repl. Gauge, Red, Fits Titan™ Manifold, Scaled for R32/410A	Ritchie	\$56.80
368923	49136	Repl. Gauge, Blue, Fits Titan™ Manifold, Scaled for R32/410A	Ritchie	\$56.80
369387	46010	Brute II 2-Valve Manifold R410A/404A/22	Ritchie	\$371.60

TOOLS

Refrigeration Tools

Manifolds and Gauges

Digital



- Target superheat automatically calculated
- All 9 measurements display together on the large, easy to read screen
- Works with JL2 Job Link Transmitter and SDP2 Dual In-Duct Psychrometer for diagnostics, data storage and reporting
- Large 3/8" full bore and VAC port
- Provides measurements for 45 refrigerants

HVAC No.	MFG Part No.	Description	Manufacturer	Price
418721	SMAN460	Wireless Digital Manifold, 4-Valve, Connects to JL2	Fieldpiece	\$1,293.84

Misc. Refrigeration Tools

HVAC No.	MFG Part No.	Description	Manufacturer	Price
109729	18975	1/4" Vacuum/Charge Valve, With Side Port	Ritchie	\$129.27
111684	69562	Oil Injector, 4 Ounce, 1/4 Male x 1/4" Female	Ritchie	\$184.32
93424	QT2000	QwikCheck® Acid Test Kit	Mainstream Engineering	\$21.27
392794	TPC8000	Clampon Temperature and Pressure gauge. Fits 3/8" - 1-1/8" diameters	Supco	\$245.76

Leak Detectors

MARS Series 253 Leak Detectors



HVAC No.	MFG Part No.	Description	Price
92925	25303	H-10G Universal Refrigerant Leak Detector	\$1,321.56



HVAC No.	MFG Part No.	Description	Manufacturer	Price
369188	69702	Universal Dye Injector Kit, Two Injectors With Hose	Ritchie	\$109.93
322411	69712	Universal Dye, 8 Ounce Container	Ritchie	\$96.29
369067	69721	2-Pack of 1-Ounce Universal Dye Injectors	Ritchie	\$96.29
369325	69789	Ultraviolet LED Flashlight and Dye Kit for AC/R	Ritchie	\$306.22
422674	SRL2K7	Digital Infrared Refrigerant Leak Detector	Fieldpiece	\$895.86
444897	3015-8004	Refrigerant Leak Detector, Visible and Audible Indicators, Model H-10	Bacharach	\$1,120.57

Refrigerant Recovery Unit



- Compact and lightweight: Weighs only 24 lbs
- Twin Cylinders and Twin Condensers for ultra fast recovery
- Refrigerant-Isolated Crankcase, eliminating bearing contamination
- Pumps R410A liquid and vapor

HVAC No.	MFG Part No.	Description	Manufacturer	Price
354742	G5 TWIN	Refrigerant recovery unit	Appion	\$1,623.67
382808	TEZOM	Oil Cartridge	Appion	\$28.58

Repair Kits and Gaskets



HVAC No.	MFG Part No.	Description	Manufacturer	Price
109743	19011	Replacement 3/8" Refrigerant Hose Gasket, Fits Evac Manifold 93850	Ritchie Engineering	\$35.97
109746	19020	Replacement 1/4" and 5/16" Refrigerant Hose Gasket, 10-Pack	Ritchie Engineering	\$13.33
109755	19040	SealRight Repair Kit, 1/4" with Valve, Gasket, Plug, Spring, 2 O-Rings	Ritchie Engineering	\$27.17

TOOLS

Refrigeration Tools

Tubing Tools

Fin Straightening Tools



HVAC No.	MFG Part No.	Description	Manufacturer	Price
367899	FST	Fin Straightening Tool for 8-14 fins/inch	Malco	\$32.05
367900	FST2	Fin Straightening Tool for 16-22 fins/inch	Malco	\$32.05

Vacuum and Charging Hoses



- Compatible with both POE and PVE oils
- Made in the USA

HVAC No.	MFG Part No.	Description	Manufacturer	Price
110191	26060	Plus II™ Hose, 3/8", 60" Long, Straight x FlexFlow	Ritchie	\$142.38
145045	29060	Plus II™ Hose, 1/4" Yellow, 60" Long, Compact Ball Valve	Ritchie	\$80.52
369074	29260	Plus II™ Hose, 1/4" Blue, 60" Long, Compact Ball Valve	Ritchie	\$80.52
369075	29660	Plus II™ Hose, 1/4" Red, 60" Long, Compact Ball Valve	Ritchie	\$80.52
367566	29860	Plus II™ Hose, 1/4" Heavy Duty, 60" Long, Compact Ball Valve	Ritchie	\$103.20
160457	29985	Plus II™ Hose 3-Pack (RYB), 1/4", 60" Long, Compact Ball Valve	Ritchie	\$229.50
110021	22985	Plus II™ Hose 3-Pack (RYB), 1/4", 60", With SealRight Fitting	Ritchie	\$180.09

Vacuum Pump Systems



- Wide mouth oil reservoir port for easier, cleaner filling
- 2-stage, rotary vane oil-sealed pump
- Doubles as pump exhaust-threaded to attach garden hose for exhausting to remote location
- Intake filter screen keeps damaging particles from entering the pump
- Large oil sight glass for easy monitoring of oil level
- Large brass oil drain for easy access to fast oil changes
- Gas ballast valve keeps oil cleaner, longer during evacuation of wet systems
- Made in the USA
- Bullet comes with 24-month warranty

HVAC No.	MFG Part No.	Description	Manufacturer	Price
369477	69086	Digital Handheld Vacuum Gauge Kit	Ritchie Engineering	\$518.65
369558	93560	SuperEvac™ Vacuum Pump, 115V, 6 CFM	Ritchie Engineering	\$1,046.19
411412	93600	Bullet™ Vacuum Pump, 115V, 7 CFM	Ritchie Engineering	\$836.46

Electrical Tools

Electrical Meters

Clamp-On



HVAC No.	MFG Part No.	Description	Manufacturer	Price
422641	SVG3	Digital Vacuum Gauge with Alarm and Stopwatch	Fieldpiece	\$389.62
385607	DL369	G2 Phoenix Prime Clamp-On Meter	UEI	\$158.33
118565	ATL55	Test Lead, Rubber Insulated, for G2 Clamp-On Meter, Pair	UEI	\$28.71
447881	ATL5	Test Lead for Testing Molex Plugs, Pair, for G2 Clamp-On Meter	UEI	\$19.82
447882	ATLTX	Extension Wire for ATL5	UEI	\$34.50

Multi



HVAC No.	MFG Part No.	Description	Manufacturer	Price
422565	SPDM1	Pocket Digital Multi-Meter, With Leads	Fieldpiece	\$96.43
422620	SMG5	Digital Megohm Meter	Fieldpiece	\$282.15

TOOLS

Electrical Tools

Electrical Meters

Transformer Tester

HVAC No.	MFG Part No.	Description	Manufacturer	Price
371857	T389M	Iron Core Transformer Tester	Mitco	\$270.73

Air Measurement Tools

AAB



- ABM-100 connects to your smart phone and quickly and easily calculates air volume
- ABM-200 provides the same capabilities using Bluetooth wireless connection
- ABM-200 also measures temperature, humidity & pressure to provide dry/wet bulb, feels like, relative humidity and more

HVAC No.	MFG Part No.	Description	Manufacturer	Price
444763	ABM-100	Airflow Balancing Meter for Smartphone	AAB	\$98.98
450746	SPM-K1	Dual Port Manometer with Probes and Brass Gas Adaptor	AAB	\$232.72
450079	ABM-200	Wireless Smartphone Anemometer, Plus Airflow, Temperatures	AAB	\$175.32
450080	EXP-64	Extension Pole for use with ABM-200, Extends to 64"	AAB	\$67.32
451938	TS-100	TempSmart Temperature and Humidity Data Logger	AAB	\$128.83

Thermometers & Meter Accessories

Thermometers & Thermistors



HVAC No.	MFG Part No.	Description	Manufacturer	Price
418722	ST4	Dual Temp Thermometer, Reads T1, T2 or T1-T2	Fieldpiece	\$216.06
429789	SPK1	Pocketknife Style Probe Thermometer	Fieldpiece	\$41.95
161106	SRH77A	Thermometer with Hygrometer, 3 Zone, Digital	Cooper	\$775.37
118614	PDT550	Thermometer, Pocket, Digital	UEI	\$48.64
411728	INF165	Thermometer, Infrared, "Scout 1"	UEI	\$158.33
349966	1075	3-1/2" Thermistor Puncture Probe for SRH77A	Cooper	\$96.29
321138	4005	Clamp Probe Thermistor for SRH77A	Cooper	\$238.04
368288	4011	Strap-On Probe Thermistor for SRH77A	Cooper	\$109.52

Thermocouples



- Sensor is virtually isolated from ambient conditions, allowing the thermocouple to read the true pipe temperature
- Large surface area and increased clamping force help reach the correct temperature within 30 seconds
- Designed to let you measure the temperatures of pipes that are fixed, at any angle, to walls or other surfaces

HVAC No.	MFG Part No.	Description	Manufacturer	Price
418723	ATC1R	Pipe-Clamp Thermocouple, fits 1/8" - 3/4" diameters	Fieldpiece	\$128.41

Static Pressure Probes



- Magnetic flange & directional arrow to ensure proper positioning & optimal performance
- Works with all Fieldpiece manometers

HVAC No.	MFG Part No.	Description	Manufacturer	Price
422552	ASP2	Static Pressure Probes, Pair, No Hoses	Fieldpiece	\$50.05

TOOLS

Air Measurement Tools

Thermometers & Meter Accessories

Psychrometers-Wireless



- Allows you to measure supply and return at the same time
- Real-time Target Evaporator Exit Temperature and Target Delta T
- Displays actual indoor unit performance, AND calculates how indoor unit should be performing
- Shows enthalpy change across the evaporator -- in real-time
- Dual Display
- Hands-free testing
- Bright backlight
- Ruled, 38" telescoping probes and threaded probe locks
- Magnetic hanger
- Job Link Wireless Transmitter allows psychrometer to send live indoor wet bulb readings to the SMAN 4-port Digital Manifolds or Job Link App while charging at the condenser, saving you time on the job site
- JobLink Wireless Transmitter & JL2 app allow you to view measurements on your smart phone from anywhere within 100' of the transmitter and store job data to share with your office or the homeowner

HVAC No.	MFG Part No.	Description	Manufacturer	Price
422665	SDP2	Dual In-Duct Psychrometer, Can integrate with JL2	Fieldpiece	\$642.64
446058	JL2	Job Link Wireless Transmitter for Smartphone	Fieldpiece	\$535.17

Psychrometers-Digital



- Quickly measure humidity, dry bulb, dew point and wet bulb
- Automatically calculates readings
- Display relative humidity and temperature simultaneously
- Response time of 60 seconds to changes in humidity

HVAC No.	MFG Part No.	Description	Manufacturer	Price
369335	69008	Digital Psychrometer / Hygrometer	Ritchie	\$258.70

Manometers



- Measure gas pressure, static pressure & pressure differential
- Fieldpiece and UEI include rubber boot for durability
- Testo has magnetic back for hands-free operation

HVAC No.	MFG Part No.	Description	Manufacturer	Price
450746	SPM-K1	Dual Port Manometer with Probes and Brass Gas Adaptor	AAB	\$232.72
422630	SDMN5	Dual Port Manometer, Includes Hoses	Fieldpiece	\$341.79
418672	SDMN6	Dual Port Manometer and Pressure Switch Tester	Fieldpiece	\$642.64
370172	0560-0510	Handheld Differential Manometer	Testo	\$364.28
383141	EM151	Manometer, Single Input	UEI	\$391.45
383141	EM201	Manometer, Dual Input, Digital	UEI	\$391.45
58197	A-432	Adaptor Kit for Magnehelic Gauges (9 Ft Tubing, Bkt, Term Tube, Holder)	Dwyer	\$133.72

Magnehelic



- Guaranteed within 2% of full scale
- Uses simple, frictionless Magnehelic® gage movement to quickly indicate low air or non-corrosive gas pressures--either positive, negative (vacuum) or differential
- Design resists shock, vibration and over-pressures

HVAC No.	MFG Part No.	Description	Manufacturer	Price
58177	2002AV	Magnehelic Gauge, Air Velocity, 1000-5600 FPM Range, 0.2" W.C.	Dwyer	\$179.81

TOOLS

Measurement Tools

Combustible and Exhaust Gas



HVAC No.	MFG Part No.	Description	Manufacturer	Price
371295	N55-10M	Thermocouple Tester for Gas Safety	Mitco	\$177.23

Analog Gauge



- Sensitive diaphragm gauge calibrated in inches of water column and ounces per square inch
- Improved lamination strength of diaphragm (bellows) to brass plate withstands higher over-pressure
- Tube nipple for easy connection to system manifold
- 2 gauge ranges available
- The unique single bellows design replaces the double bellows for a stronger seal that resists over-pressure
- Made in the USA

HVAC No.	MFG Part No.	Description	Manufacturer	Price
111760	78060	Gas Pressure Test Kit	Ritchie	\$121.99
111771	78077	Gas Tester, 3/4" NPT, 0-15 lb.	Ritchie	\$47.15

Leak Detector



- Ultra-sensitive sensor detects less than 15 ppm methane and better than 12 ppm for propane
- Sensor also works well on a complete list of detectable gases including acetylene, butane, and isobutane
- Automatic calibration and zeroing
- Sensor replaceable after full service life
- SmartAlarm LED shows how big or small a leak is on a scale of 1 to 9
- Unit adjustable for normal, high or low sensitivity
- 24-month limited warranty (12-month warranty on sensor)
- Made in the USA

HVAC No.	MFG Part No.	Description	Manufacturer	Price
369520	69373	Combustible Gas Detector	Ritchie	\$674.37

Smoke Gun



HVAC No.	MFG Part No.	Description	Manufacturer	Price
371856	N27-16M	Combustion Smoke Analyzer for Flue Gas	Mitco	\$272.82
97439	N29-26	Smoke Test Paper for N27-16M, Pack of 50	Mitco	\$42.02
390588	SPT1	Combustion Smoke Analyzer for Flue Gas	UEI	\$268.71

Combustion Analyzer



- Electro optical CO2 sensor technology
- No oxygen sensor replacement
- Measures: CO2, CO, Flue temperature
- Calculates: O2, efficiency, excess air, CO air free
- Magnetic boot
- Real time clock
- CO readings to 1 ppm
- Large 2 line back-lit display
- Infrared printer port
- 20 memory position
- 5 year limited warranty (includes sensors)

HVAC No.	MFG Part No.	Description	Manufacturer	Price
450287	C85	EOS Long Life Combustion Analyzer	UEI	\$1,370.40

TOOLS

Measurement Tools

Fuel Oil

Flow Monitor Kit



- Tests pump pressure and cutoff of fuel oil pumps quickly and accurately without removing the pump from the oil burner
- Can be used on all pumps with operating pressures up to 300 psi
- Quick hook-up fittings make testing easy, clean and simple
- Checks operating pressure and cutoff under actual operating conditions
- Color coded hoses
- All brass body
- High impact case

HVAC No.	MFG Part No.	Description	Manufacturer	Price
369897	P115M	Oil Watcher / Oil Flow Monitor Kit, Incl. Gauge, Hose, Adaptors, Clamps	Mitco	\$151.62

Pressure Test Kit



- Determine pump efficiency, cut-off and suction, as well as analyze or troubleshoot burner efficiency
- Kit includes: 2" gauge, 30" 0-150 lb scale and 12" hose with fittings
- All gauges are 1/8" NPT
- Made in the USA

HVAC No.	MFG Part No.	Description	Manufacturer	Price
111747	78020	Fuel Oil Pressure Test Kit	Ritchie	\$91.17

Visual Inspection



- Rotating screen that provides fluid image control
- Optimized 2.7" LCD screen delivers crisp, clear image
- 9mm 640x480 Digital Image Sensor for superior image quality
- 4 surround LED Lights for Best in Class Brightness without shadow or glare
- Enhanced Cable: Aluminum head and improved flexibility deliver unmatched durability and pipe maneuverability
- Accessories: Hook, Magnet, and Mirror attachments help to inspect and solve

HVAC No.	MFG Part No.	Description	Manufacturer	Price
418794	2313-21	M-SPECTOR Inspection Scope Kit	Milwaukee	\$1,179.66

Ductless Minisplit Installation



- Allows single-person installation of indoor ductless units, saving time & money on install crews
- Clips to the mounting bracket of most mini-split brands
- Doesn't damage walls

HVAC No.	MFG Part No.	Description	Manufacturer	Price
447457	MIGHTY BRACKET	Ductless Indoor Unit Install Tool	Rectorseal	\$178.62

Batteries



HVAC No.	Description	Price
45219	Alkaline Battery, AAA	\$1.67
45218	Alkaline Battery, AA	\$1.56
45217	Alkaline Battery, 9V	\$5.85
45220	Alkaline Battery, C	\$3.39
45221	Alkaline Battery, D	\$5.50