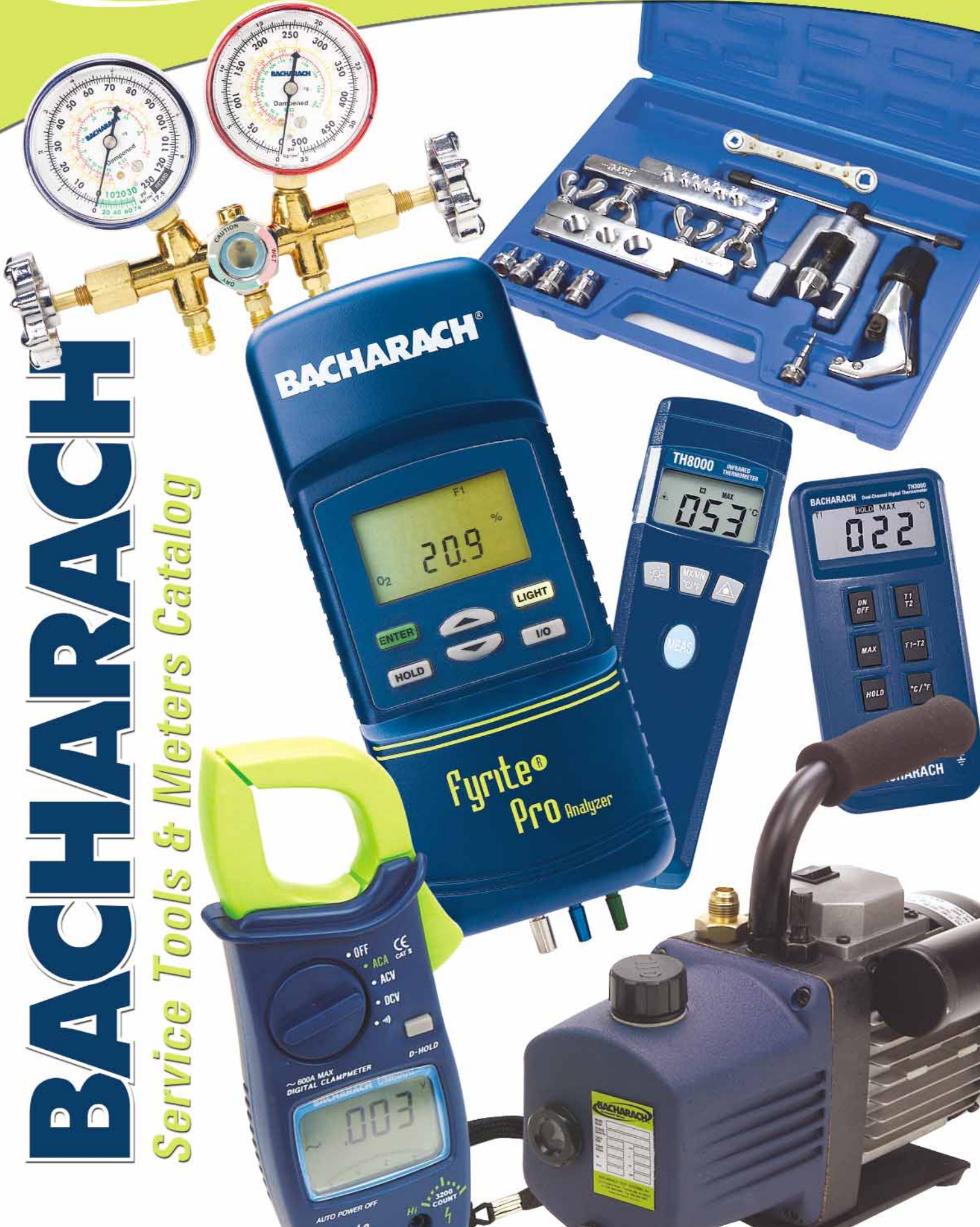


BACHARACH
The Measurable Difference



BACHARACH

Service Tools & Meters Catalog

We Are the Measurable Difference

Bacharach has been delivering quality products to you for over 90 years. You have known us as your supplier of superior performing gas measurement & detection equipment and technical service. You recognize us as a manufacturer of high-quality recovery systems, like the popular Stinger™ model. Our strong reputation for innovation grounded in technical expertise has solidified our position as the industry leader.

Now, we are prepared to become your one-stop supplier for all your HVAC and Refrigeration needs.

Bacharach carries a full line of Air Conditioning and Refrigeration Service Tools and Meters. Combined with our complete line of professional and commercial recovery systems, we now provide you with an extensive product mix from vacuum pumps to tube cutters and more. When your job requires quality products at the right price, backed by Bacharach's commitment to excellence, our comprehensive line of products offers you the measurable difference.

Look through the pages of this Brochure for an introduction to our new line of Service Tools and Meters.



NEW Line of Service Tools & Meters

Meters



Vacuum Pumps



Refrigeration & Hand Tools



If you need information about any of our other products lines...



Combustion & Environmental Analyzers



Indoor Air Quality



Safety Monitors & Detectors



Leak Detection



Air Conditioning & Refrigeration Recovery Systems



...simply request a copy of our complete Product Catalog #4089.

For additional product information or to place an order, contact your local Bacharach distributor.

Digital Meters

All models include batteries, test leads and 1-year warranty

Pocket Digital Multimeter



2002-0900

Model # MMP900

- 4 Functions
- Compact DMM w/built-in case for leads
- Auto power off
- Data-hold function
- Battery check function
- Auto-range
- Over-range & low battery indication

3 Functions Digital Multimeter



2050-0000

Model # MM5000

- 3 Functions
- Includes protective boot & soft carrying case
- Auto power off
- Data-hold function
- Auto-range
- Low battery indication

6 Functions Digital Multimeter



2002-3200

Model # MM3200

- 6 Functions
- Includes protective boot & soft carrying case
- Auto power off (Time Selectable)
- Data-hold function
- Memory & recall function
- Auto-range
- Transistor test
- Over-range & low battery indication

True RMS Digital Multimeter



2002-3800

Model # MM3800

- 7 Functions
- True RMS capability
- Includes protective boot & soft carrying case
- Backlight LCD
- Data-hold function
- Memory & recall function
- Auto-range & low battery indication
- Measures temperature with optional thermocouple (P/N104-1797)

Clamp Meter



2060-0000

Model # CM6000

- 3 Functions
- Includes soft carrying case
- Auto power off
- Data-hold function
- Auto range
- Over-range & low battery indication

Mini Clamp Meter



2040-0000

- 3 Functions
- Includes soft carrying case
- Auto power off
- Data-hold function
- Auto range
- Over-range & low battery indication

SPECIFICATIONS

Model	MMP900	MM5000	MM3200	MM3800	CM6000	CM4000
Functions	1. Volts 2. Amps 3. Ohms 4. Diode Test	1. Volts 2. Amps 3. Ohms	1. Volts 2. Amps 3. Ohms 4. Diode Test 5. Capacitance 6. Frequency	1. Volts 2. Amps 3. Ohms 4. Diode Test 5. Capacitance 6. Frequency 7. Temperature	1. Volts 2. Amps 3. Ohms	1. Volts 2. Amps 3. Ohms
Display Count	4000	4000	4000	4000	3200	4000
DC V	400mV / 300V	400mV / 600V	400mV / 600V	400mV / 600V	300mV / 600V	400mV / 450V
DC A	400mA	400mA / 10A	400µA / 20A	400µA / 20A	N/A	400A
AC V	300V	600V	600V	600V	600V	450V
AC A	N/A	400mA / 10A	400µA / 20A	400µA / 20A	600A	400A
Resistance	40MΩ	40MΩ	40MΩ	40MΩ	300Ω	400Ω
Capacitance	N/A	N/A	200µF	400µF	N/A	N/A
Frequency	N/A	N/A	4MHz	40MHz	N/A	N/A
Temperature	N/A	N/A	N/A	-14° F ~ 2192° F -40° C ~ 1200° C	N/A	N/A
CE or UL Listed	Both	CE Only	CE Only	CE Only	CE Only	CE Only

Quick Vac Vacuum Pumps

The **QUICKEST & LIGHTEST** 2-Stage Rotary Vane Vacuum Pump Features & Benefits

Compact and Easy to Use

- Each model features compact and lightweight, yet sturdy, construction.
- Simple, ergonomic design provides ease of operation.

Safe Operation

- Integral check valve prevents pump oil from being sucked into the system when the pump is stopped.
- Front-view sight glass allows easy view of oil level.

Reliable Performance

- Reliable and efficient rotary vane pump element pulls a fast vacuum.
- Integrated gas ballast valve helps keep the pump oil clean longer, resulting in fewer oil changes.

Range of Applications

- Ideal for air conditioning and refrigeration applications including R22, R134a, R404A, R407C and other HFCs.

Fully Tested

- Each pump is inspected and run-in prior to shipment. Just add oil (supplied with pump) before use.

QV2 Pump



QV2 SPECIFICATIONS		P/N 2002-0002
Weight (with oil)	15 lbs. / 7 Kg	
Air Displacement	2 cfm.	
Stages	2	
Factory Rating	25 microns	
Oil Capacity	10 oz / 0.3 L	
Operating Range	41-104°F (5-40°C)	
Intake	1/4" SAE	
Motor Size	0.55 HP, 3400 rpm	
Voltage	115 Volt, 60 Hz	
Cord Length	10 Feet	
Dimensions	11 x 5 x 9.5 inches	

QV6 Pump



QV6 SPECIFICATIONS		P/N 2002-0006
Weight (with oil)	33 lbs. / 15 Kg	
Air Displacement	6.3 cfm.	
Stages	2	
Factory Rating	25 microns	
Oil Capacity	20 oz / 0.6 L	
Operating Range	41-104°F (5-40°C)	
Intake	1/4", 3/8" SAE	
Motor Size	0.76 HP, 3400 rpm	
Voltage	115 Volt, 60 Hz	
Cord Length	6 Feet	
Dimensions	14 x 7 x 11 inches	

Refrigeration & Hand Tools

Gauges

R-12/22/134a



2002-0250

Model # MSG250



2002-0550

Model # MSG550

Model	MSG250	MSG550
Dial Size	2 1/2"	2 1/2"
Connection	1/8 NPT	1/8 NPT
Scale	°F, PSI, kg/cm ²	°F, PSI, kg/cm ²
Pressure	250 psi	500 psi
Color	Blue	Red

R410A



2002-0410

Model # MSG410



2002-0420

Model # MSG420

Model	MSG410	MSG420
Dial Size	2 1/2"	2 1/2"
Connection	1/8 NPT	1/8 NPT
Scale	°F, °C, PSI, kg/cm ²	°F, °C, PSI, kg/cm ²
Pressure	500 psi	800 psi
Color	Blue	Red

Manifolds & Hoses

R-12/22/134a
Manifold Set



2002-5000

Model # MS050

• Both models have a brass body with hook, hose holder and 2 hand wheels

• Includes 3 pieces 60" RYB hoses with 1/4" flare fittings. Hoses rated at 2500 psi. Burst / 500 psi Max W.P.

• 0-250 / 0-500 psi Gauges

R12/22/134a
Manifold Set w/Sight Glass



2002-4000

Model # MS040

R-410A
Manifold Set



2002-4400

Model # MS440

• Both models have a brass body with hook, hose holder and 2 hand wheels

• Includes 3 pieces 60" RYB hoses with 1/4" flare fittings. Hoses rated at 4000 psi Burst / 800 psi Max W.P.

• 0-500 / 0-800 psi Gauges

R-410A
Manifold Set w/Sight Glass



2002-4300

Model # MS430

R-410A
Hose Set



2002-4600

Model # HS460

• 3 pcs 60" RYB hoses with 1/4" flare fittings

• Hoses rated at 4000 psi Burst / 800 psi Max W.P.

• Hoses compatible with Manifold Set models MS050, MS040, MS440 and MS430

R-12/22/134a
Ball Valve Hose Set



2002-0003

Model # BV3

• 3 pcs 6" RYB hoses with 1/4" flare fittings

• Hoses rated at 2500 psi Burst / 500 psi Max W.P.

• Hoses compatible with Manifold Set models MS050 and MS040

Hand Tools

Refrigeration
Wrenches



2002-0122

Model # HTRW122

• 4 square openings

• 3/16", 1/4", 5/16", and 3/8"

Refrigeration
Wrenches



2002-0123

Model # HTRW123

• 3/16" and 1/4" square openings

• 1/2" and 9/16" hex openings

Fin Straightener



2002-6000

Model # HT351

• 6-in-1 spacings of 8, 9, 10, 12, 14 and 15 fins per inch

• For cleaning and straightening condenser or evaporator coil fins

Capillary
Tube Cutter



2002-8000

Model # HT128

• Cuts all types of capillary tubes without collapsing nor swaging the tubes

Valve Core
Removal Tool



2002-0125

Model # HTVCRT

• 1 double ended core removal tool

• For Standard VC-6400 small core and VC-6500 large core

Inner Outer
Reamer



2002-6900

Model # HT208

• Made of Zinc alloy with red color painted finish

• Reams both inside and outside edges of tubing

• 1/8" to 1 5/8" O.D.

Refrigeration & Hand Tools

Hand Tools

Telescopic Mirror Set



2002-0300

Model #HT31M

- Set of 4 mirrors
- Circular lens 1 1/4" Dia., 4 3/4" to 19 1/2" extension
- Circular lens 2" Dia., 8 1/2" to 18" extension
- Rectangular lens 2" x 3 1/2", 8 1/2" to 19 1/4" extension
- Oval lens 1" x 2", 4 3/4" to 20 1/4" extension

Tube Expander Kit



2002-6300

Model #HT1000

- Expander handle and 6 size expand heads-3/8", 1/2", 5/8", 3/4", 7/8", 1"
- Plastic Inner Outer Reamer 1/8"-1 1/2" O.D.
- Kit comes in a convenient steel molded case

Flaring & Cutting Kit



2002-6400

Model #HT1226

- 1/8"-1 1/8" Tube cutter
- Flaring tool 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"
- Kit comes in a convenient plastic molded case

Flaring, Swaging & Cutting Kit



2002-6500

Model #HT278

- 1/8"-1 1/8" Tube Cutter
- Flaring Tool with 2 flares 1/8" to 3/4"
- AC Ratchet Wrench w/ 3/16", 1/4", 5/16", 3/8" square sockets
- 5 Swaging heads sizes 3/16" to 3/4"
- Kit comes in a convenient plastic molded case

Flaring Tools		
Type	P/N	Description
7-Sizes Flaring Tool	2002-7100	• For 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8" O.D. tubing
Heavy Flaring Tool	2002-7000	• For 5/8", 3/4", 7/8" & 1 1/8" O.D. tubing
6-Sizes Flaring Tool	2002-6100	• For 3/16", 1/4", 5/16", 3/8", 1/2" & 5/8" O.D. tubing
Flaring & Burnishing Tool	2002-0525	• 3/16" to 5/8" O.D. tubing

Models Available

2002-7100

Model #HT195

2002-7000

Model #HT203

2002-6100

Model #HT500

2002-0525

Model #HT525



3 in 1 Tubing Bender 180°



2002-6700

Model #HT666

• Fixed Hook

• For 1/4", 5/16" and 3/8" O.D. Tubing

3 in 1 Tubing Bender 90°



2002-6800

Model #HT368

Tubing Cutters



2002-1818

Model #HT1818

- 1/8" to 1 1/8" O.D.
- Aluminum alloy body with chrome-plated finish
- Includes 1 spare cutter wheel
- Additional spare cutter wheels available- P/N 2002-1871 (Model # HTRCW1)



2002-0780

Model #HT780

- 1/8" - 7/8" O.D.
- Zinc alloy body with red color painted finish
- Additional spare cutter wheels available- P/N 2002-1873 (Model # HTRCW3)



2002-1858

Model #HT1858

- 1/8" to 5/8" O.D.
- Zinc alloy body with red color painted finish
- Additional spare cutter wheels available- P/N 2002-1873 (Model # HTRCW3)



2002-1878

Model #HT1878

- 1/8" - 5/8" O.D.
- Zinc alloy body with zinc-plated finish and positive grip knob
- Additional spare cutter wheels available- P/N 2002-1872 (Model # HTRCW2)

PVC Pipe Cutter



2002-2120

Model #HT212

- Up to 1 5/8" capacity

Spring-Type Tubing Benders



2002-1434

Model #HT1434

- 6 per pack
- Sizes 1/4" x 10" long; 5/16" x 10"; 3/8" x 10"; 1/2" x 12"; 5/8" x 14"; 3/4" x 14"

Temperature / Air Flow / Humidity Meters

Infrared Thermometer



- Temperature: -4°F ~ 752°F (-20°C ~ 400°C)
- Laser Pointer
- 8:1 Distance to Spot Ratio
- Resolution: 1°F / 1°C
- Min/max hold function
- Backlight LCD display
- Includes soft carrying case and battery

2080-0000

Model # TH8000

Digital Pocket Thermometer



- Temperature: -58°F ~ 302°F (-50°C ~ 150°C) Switchable
- 1 1/4" dial, 5" stainless steel stem
- 2 push button (on/off)
- Battery power capacity display
- Protector sheath with pocket clip

2002-0100

Model # THP100

Dual-Channel Digital Thermometer



- Temperature: -50°F ~ 1999°F (-50°C ~ 1300°C)
- 2 K-Type 39" Thermocouples
- T1-T2 differential measurement
- Resolution: 1°F / 1°C
- Data-hold and max-hold functions
- Includes protective boot and battery

2030-0000

Model # TH3000

Pocket Dial Thermometer



- Temperature: -40°F to ~ 160°F
- 1" magnifying plastic dial cover
- 5" stainless steel stem
- Protector sheath with pocket clip

2002-6600

Model # TH1005

Anemometer



- Ft/min: 10-8800
- Also measures Km/hr, Knots, M/S
- Temperature: 32°F ~ 140°F (0°C ~ 60°C)
- Data hold and low battery indication
- Sensitive for low/high air velocity
- Coiled Cable Vane Head
- Includes soft carrying case and battery

2042-0000

Model # TH4200

Humidity-Temperature Meter



- Humidity: 10% RH ~ 95% RH
- Temperature: -4°F ~ 140°F (-20°C ~ 60°C)
- Resolution: 0.1°C / 0.1°F / 0.1%RH
- Wet bulb and dew point temp. readings
- Data-hold and relative function
- Dual LCD display with bargraph indication
- Includes soft carrying case and batteries

2002-1800

Model # TH1800

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