

Radiator Equipment & Supplies Catalog

BARBEE

The Barbee Company, Inc.

*Quality Heat Transfer Products
Since 1920*

To place your order call

**MOBILE AC HOSE REPAIR
PRODUCTS**

**AUTHORIZED DISTRIBUTOR OF
THE ENTIRE LINE OF BARBEE
PRODUCTS**

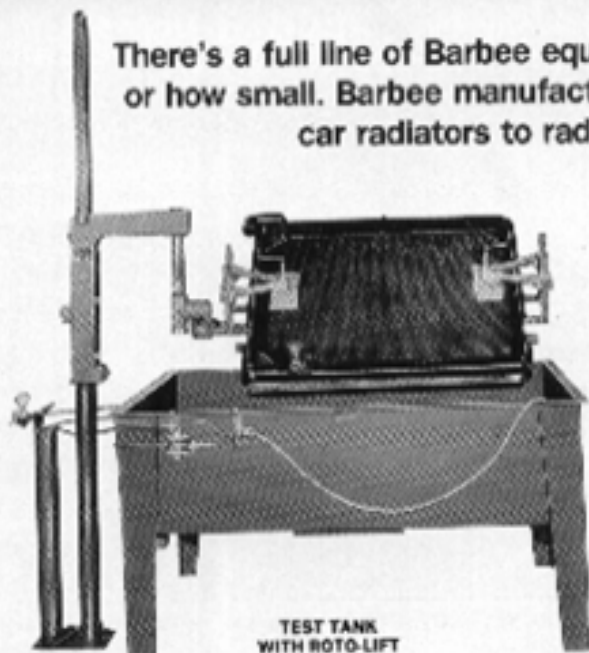
**CALL MIKE TO ORDER OR ASK
QUESTIONS**

**TOLL FREE AT 888-248-0917 OR
727-953-8242**

EMAIL- MAHRPC@HOTMAIL.COM

Be a Cooling System Specialist.

There's a full line of Barbee equipment that's right for your shop, no matter how big or how small. Barbee manufactures equipment to handle everything from compact car radiators to radiators for giant earth-moving equipment.



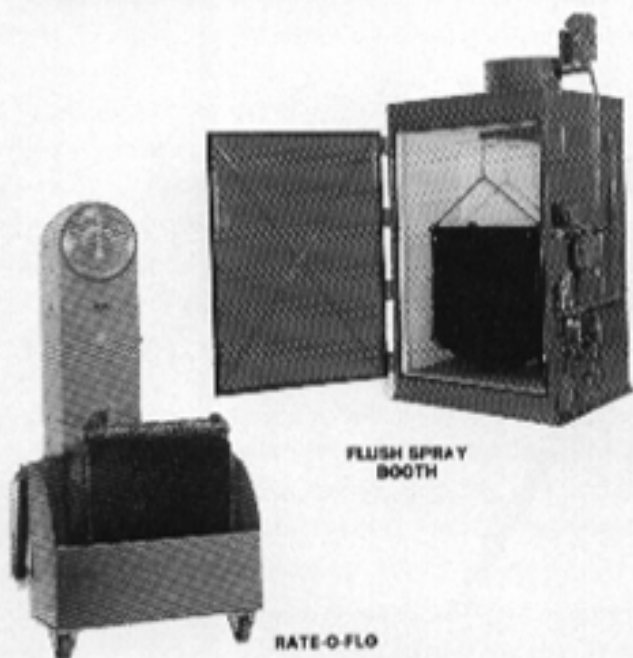
TEST TANK
WITH ROTO-LIFT



TEST TANK WITH
VERSA-TILT LIFT



TANK MASTER JR.



FLUSH SPRAY
BOOTH

RATE-O-FLO



RAD-BLAST

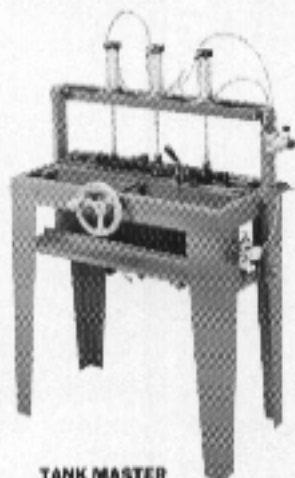


THE
CLEARWATER
401

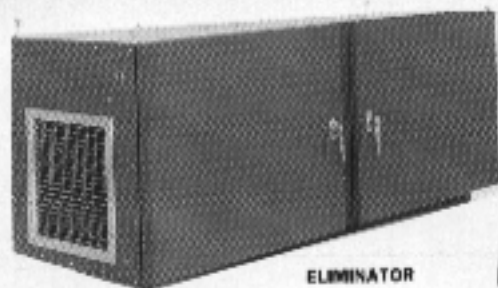
Today—Radiator repair work is being drawn to modern, attractive, sophisticated service centers for complete diagnosis, corrective repairs and preventive maintenance. Barbee equipment offers the radiator repair trade not only the finest service equipment but the most flexible for beginning or up-dating a complete service center.

You can purchase individual pieces of equipment designed to do outstanding, effective work in all areas of radiator repair work. Should replacement or larger pieces be needed, this gives you the advantage of replacing individual pieces—saving you money and downtime.

... with a Barbee equipped shop!



TANK MASTER



ELIMINATOR



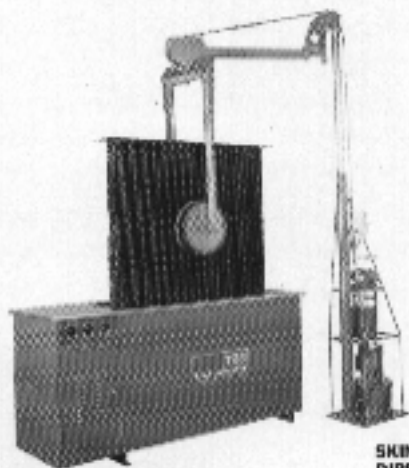
HEAD-R-DIP, TEST TANK WITH FLEX LIFT



TURBO-TANK

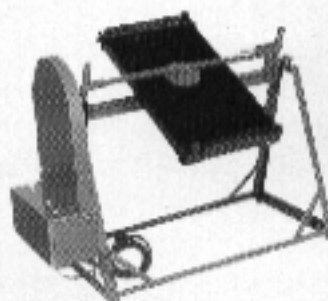


THE LOUISVILLE SLUDGER

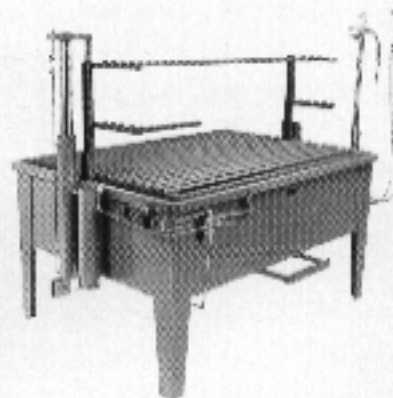


SUPER SONIC TANK
ULTRASONIC CLEANER

SKINNY
DIPPER
LIFT



DESCALER



NIFTY-LIFTER

BARBEE manufactures a full line of top-quality equipment. THE single-source supplier for all the equipment, tools and supplies you need.

These are the days of the specialist and it is especially true in radiator repair. Consumers look for an attractive, well equipped facility in every aspect of the automotive aftermarket repair trade. The customer wants to be treated with courtesy and made to feel at home.

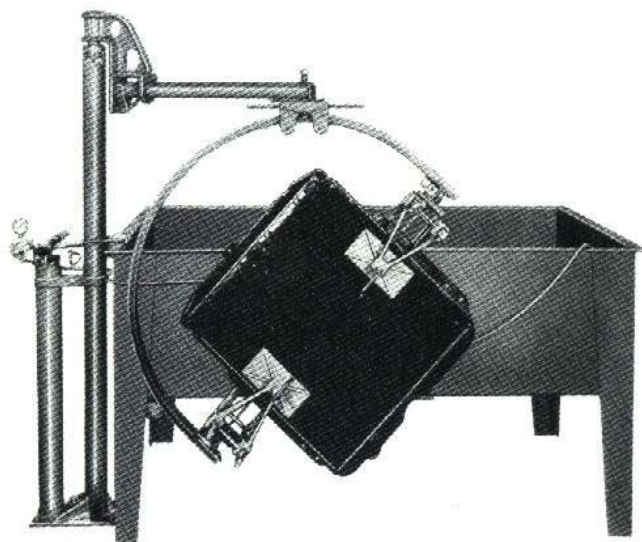
Barbee equipment brings the professional look to every shop and together with our schooling, we will make you a radiator repair specialist.

FLEX-LIFT

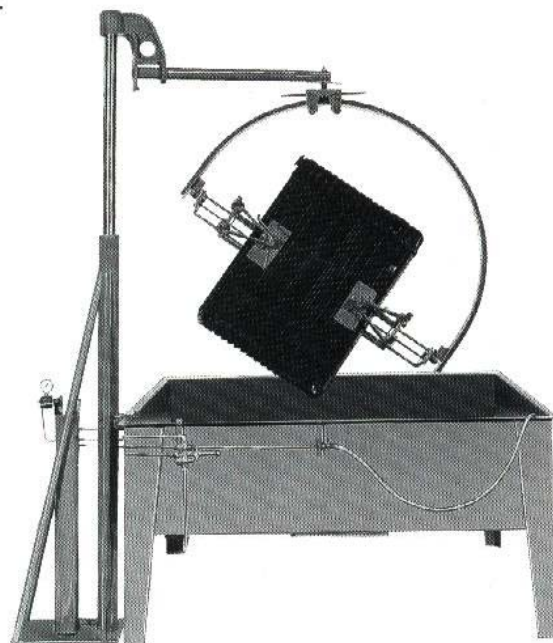
RADIATOR POSITIONER

POSITIONERS Offer Six Versatile Models

BARBEE'S hydraulic FLEX-LIFT Positioners are time tested and proven in the radiator trade. Rugged construction makes these lifts ideal for tackling heavy equipment jobs as readily as passenger car models. Cylinders are finest quality — polished and honed inside for minimum wear on bushings and pistons. All feature "Floating Piston" to eliminate torque stress. Your shopman can lift and place a radiator in any conceivable position to facilitate testing and repair work. Many parts are standardized between Flex-Lift models for easy interchange. Largest model capacity up to 1,000 lbs. See complete specification chart below.



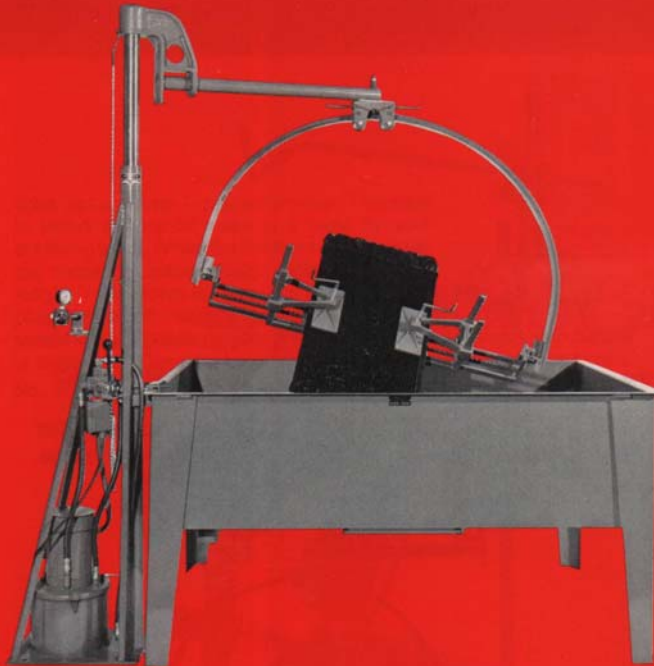
No. 280 FLEX-LIFT — Designed for the passenger car, small truck, and farm tractor radiators. Will position a radiator up to 35" wide and 200 lbs. Large Acme threads make the clamping process a "flick-of-the-wrist". This lift can be used in a test tank as small as 4 ft. square.



No. 281 FLEX-LIFT — Designed to take some of the larger radiators but still small enough for making repairs on your smaller ones much faster. Will take a load up to 400 lbs. Can be purchased with either the 45" or 55" arch.

SPECIFICATION CHART — BARBEE FLEX-LIFT & ROTO-LIFT POSITIONERS

	280	281	281	282	282	282-HD	282-HD	283	284	285A	285B
		45"	55"	45"	55"	55"	65"				
Lifting capacity, pounds	200	408	414	650	650	1000	1000	500	400	250	150
Air pressure necessary for capacity operation	155	155	155	—	—	—	—	—	155	155	155
Maximum width of radiator positioned, inches	35	45	55	45	55	55	65	52	53	45	33½
Carriage, lowest distance from floor (in normal position)	23	21½	15¼	26⅞	18¾	18¾	18¾	26⅞	19	11½	11½
Carriage, highest distance from floor, inches	67½	68½	61¼	68½	60⅞	60⅞	60⅞	68½	65	56	56
Overall height, piston extended, inches	109¾	117½	117½	117½	117½	117½	117½	117½	117½	106	106
Overall height, piston down, inches	65¼	70½	70½	78½	78½	78½	78½	70½	71	61½	61½
Overall length, inches	61¼	79	89	79	89	89	89	79	94¼	77	72¾
Length, center piston shaft to center table, inches	31¼	35¾	40¾	36½	41¼	41¼	41¼	13¾-41⅞	51½	45¼	39½
Arch, overall diameter, outside measurements, inches	44	54	64	54	64	64	74	—	—	—	—
Piston travels, inches	44½	47	47	47	46½	46½	46½	47	47	44½	44½
Cylinder size, inside diameter, inches	2½	3	3	2½	2½	4	4	2½	3	2½	2½
Cylinder size, outside diameter, inches	3	3½	3½	3	3	4½	4½	3	3½	3	3
Oil capacity	9 pts.	7 qts.	7 qts.	7 qts.	7 qts.	16 qts.	16 qts.	7 qts.	7 qts.	9 pts.	9 pts.
Depth of water necessary, inches	13	13	13	13	13	13	13	—	13	13	13
Floating piston	X	X	X	X	X	X	X	X	X	X	X
Neoprene cup	X	X	X	X	X	X	X	X	X	X	X
Oil hydraulic	X	X	X						X		
Electric hydraulic				X	X	X	X				
Motor, ¼ H.P., single phase, volts 110-220				X	X			X			
Motor, 1 H.P., single phase, volts 110-120						X	X				
Shipping weight, pounds	271	408	414	448	469	650	900	645	450	291	287



No. 282 FLEX-LIFT — This powerful . . . rugged . . . electric-hydraulic positioner is rated to handle up to 650 lbs. . . yet will handle a small radiator as well. This FLEX-LIFT comes with either a 45" or 55" arch. As on all FLEX-LIFT models . . . easy working clamps hold radiator to positioner carriage with just a "flick-of-the-wrist". Famous Floating Piston eliminates torque stress on cylinder. The cylinder is quality built . . . polished and honed inside for long wear.



No. 284 Versa-Tilt Lift — incorporates a table without an arch and is ideal when repairing small passenger car radiators up to industrial bolt-on radiators. Lift capacity is 400 lbs. This lift combines the best features of our two most popular lifts — the No. 285 - A Roto-Lift and the No. 281 Flex-Lift. Its unique tilt feature allows proper positioning for larger radiators.

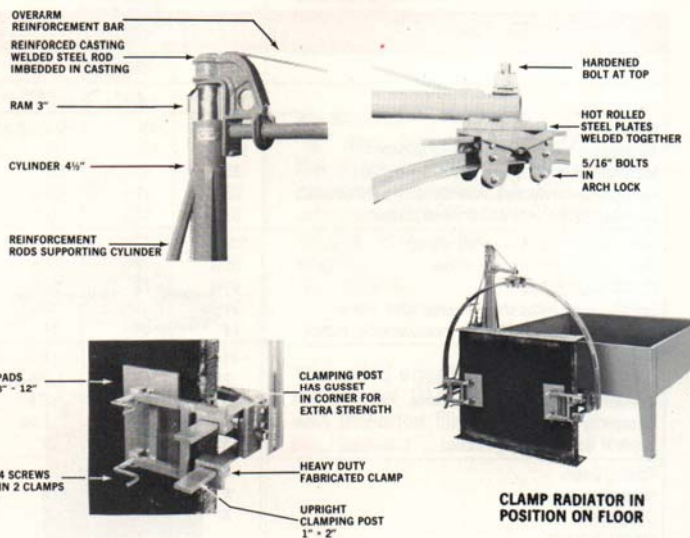
1000 LBS. CAPACITY



282 HEAVY DUTY FLEX-LIFT AVAILABLE IN 55" or 65" ARCH

MODEL 282-HD — For years the No. 282 electric hydraulic Flex-Lift has been the acknowledged "bench mark" in the radiator repair field where that extra amount of capacity is needed. In spite of the ruggedness of this very durable positioner, we have received numerous requests for one of the same type that would handle a little larger radiator. We have made many such positioners in the last several years . . . so many, that we feel we should now make it a permanent item in our vast line of radiator repair equipment.

FEATURES MODEL 282-HD-55" — 282-HD-65"

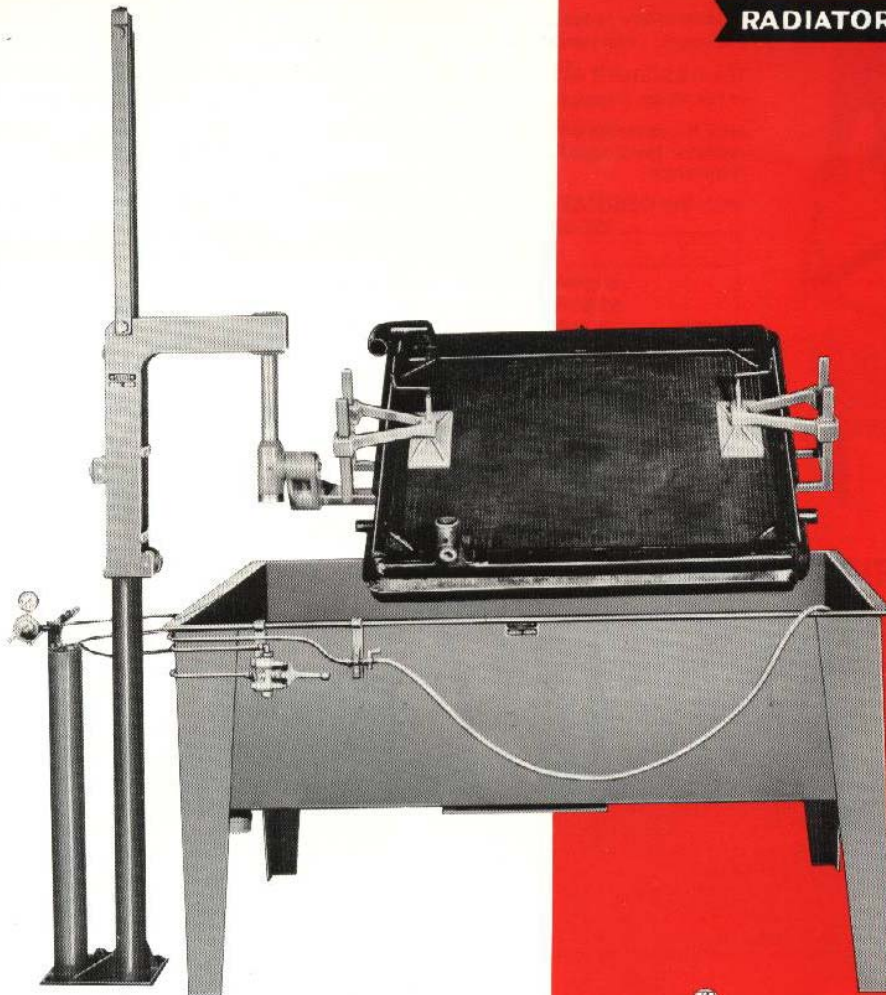


BARBEE'S FAMOUS

ROTO-LIFT

RADIATOR POSITIONER

PATENT NO. 3,027,158

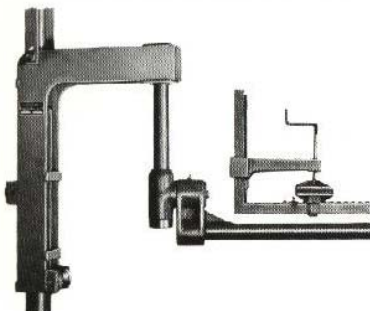


Radiator repair work is made easy with quality-built radiator positioners. Easy clamps hold radiator to positioner carriage. Hydraulic lift does the heavy work at a touch of the control valve. The Rotolift Positioner will handle radiators up to 45" wide. See chart on page 5 for other specifications.

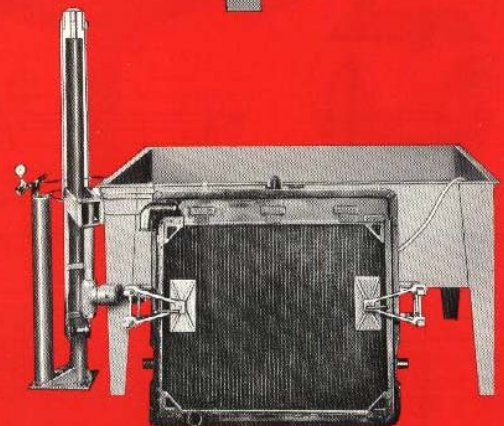
No. 285-A positions radiators 45" wide. This lift will handle all radiators serviced by the average shop.

No. 285-B positions radiators 33½" wide. Has short arm to fit 48" testing tank. Otherwise, same as Model No. 285-A.

Barbee's unique suspension with heavy duty V-rollers eliminates torque stress on piston shaft and bearings. All the piston shaft does is lift. The stress is all carried on the ROTO-SUPPORT which rolls and turns on two case-hardened V-type ball-bearing equipped rollers, which are supported by and run on the outside of the steel cylinder. Any torque stress that is not compensated by the rollers is eliminated by Barbee's famous "Floating Piston".



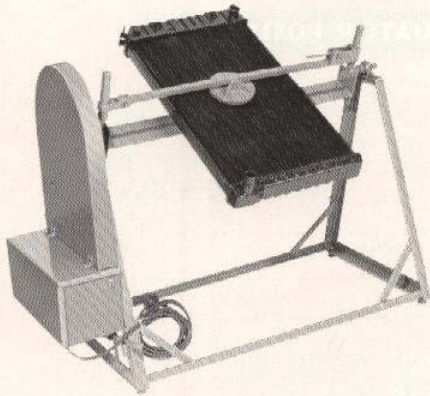
Four points of swivel enable operator to put the radiator in any position at any height at the touch of his hand without the need of changing clamp positions.



Takes the heavy work out of repairs. Carriage lowers to within 11½" of floor. When you have a heavy radiator to repair, just slide the radiator in front of the testing tank, then lower the ROTO-LIFT to the radiator . . . clamp in position . . . touch the control valve . . . and up it goes.

Testing tanks are shown with but are not a part of the positioners.

DESCALER



Cleans many radiators you would otherwise rod. Let this fast, effective DESCALER work while you work. Will handle radiators up to 35" wide.

The DESCALER will save the average shop owner more time than any other piece of equipment in his shop. In roughly five minutes the DESCALER will do the work of an 1½ hour rod-out job.

Half fill radiator with 20 degree muriatic acid, cap, and clamp in DESCALER. Start motor and radiator revolves. Just the right number of revolutions — just the correct movement makes the difference.

With the DESCALER approximately 80% of your rod-out job can be eliminated.

No. 290 DESCALER SPECIFICATIONS			
Length 50½"	Width 23½"	Height 37¾"	Shipping Weight 150 lbs.

HEAD-R-DIP

HEADER RESOLDERING EQUIPMENT

A HEAD-R-DIP unit consists of 3 main units: 1 thermostatically controlled melting pot with stand, and 2 fiberglass trays with stands and lids.

The melting pot features a one piece casting that resists warpage and cracking. The stand for the melting pot is completely insulated for a more economical operation. Other accessories include dross skimmer, plastic covers, air blow gun, thermometer, and complete instruction sheet explaining in detail the correct HEAD-R-DIP process.

You obtain a stronger bond of tubes to header by dipping rather than torch soldering. Dipping not only bonds from the tank side, but also, and most important, from the core side. Please refer to points A & B in Fig. 1 below that shows how the HEAD-R-DIP makes a superior bond of header to tube.

Heat control element positively protected inside the casting. 1" shoulder runs length of melting pot. Refer to "A", Fig. 2. At this point the solder is only ¼" to ⅜" deep. The edge of the header rests on this shoulder while the core is slowly brought to an upright position.

Up your profit picture by offering faster service on heavy equipment. Talk in terms of resoldering all tubes instead of some. These units are really business builders.

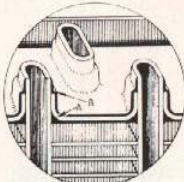


Fig. 1

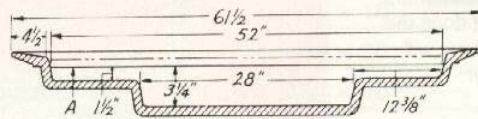


Fig. 2



The 291-2 HEAD-R-DIP is illustrated with our 282 FLEX-LIFT positioner and 295-3 TESTING TANK. Positive control is important when dipping, and the electric-hydraulic

FLEX-LIFT gives this control. Neither of these units is included in price of HEAD-R-DIP, but are shown together because the three units make a complete, ideal setup.

HEAD-R-DIP EQUIPMENT SPECIFICATIONS

Unit	Dipping Space	BTU	Heating Controls	Solder Capacity	3/16" Gauge Fiberglass Tanks	Other Accessories	Shipping Weight
291-2	52x9¾x4¾	80,000	Automatic Thermostat	375 to 400 Lbs.	53x10x6	Dross Skimmer, Air Blow Gun, & Thermometer included in both units	539 Lbs.
291-1	36x10½x4	50,000	Automatic Thermostat	275 lbs.	53x10x6		497 Lbs.

RADIATOR TESTING TANKS

Specially built, heavy duty Radiator Testing Tanks for shops of all sizes.

STEEL — 3 models made of heavy-duty 10 gauge steel for years of service. Retractable front rack for positioning radiators outside the tank. Entire tank reinforced underneath. 1½" flange on top edge.

295-1	48" x 48" x 18"	338 lb. Shipping Weight
295-2	48" x 66" x 18"	398 lb. Shipping Weight
295-3	68" x 68" x 18"	488 lb. Shipping Weight

STEEL



STAINLESS STEEL — We've had the tanks in carbon steel for years and then we came out with the fiberglass tanks. Now comes the ultimate! Stainless Steel.

What a natural. This'll probably be the last test tank you'll have to purchase. It should last a lifetime. No more hassle of replacing tanks, painting, upkeep, etc.

- 295-1-SS 48" x 48" x 18" 303 lb. Shipping Weight
- 295-2-SS 48" x 66" x 18" 373 lb. Shipping Weight
- 295-3-SS 68" x 68" x 18" 462 lb. Shipping Weight

FIBERGLASS — The FIBERGLASS TESTING TANKS have been a very popular addition to our line. They have now been used for many years throughout the country and are found to be Tough as nails. No corrosion, easy to clean.

- 296-1 4' x 4' x 18" 155 lb. Shipping Weight
- 296-3 4' x 5½" x 18" 220 lb. Shipping Weight
- 296-4 6' x 6' x 18" 385 lb. Shipping Weight
- 296-5 5'10" x 9'3" x 18" 413 lb. Shipping Weight

OPTIONAL STEEL FLANGES AVAILABLE (See price and order form.)

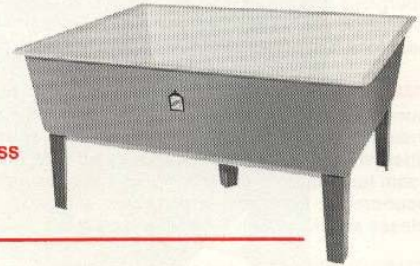
Barbee Tanks are perfect matches for Roto-lift and Flex-lift positioners. All tanks are engineered to allow easy installation of matching positioners (see below).

- 295-1/296-1 Match with positioners 280 and 285B.
- 295-2/296-3 Match with positioners 285A, 281 & 282 w/45" arch.
- 295-3/296-4 Match with positioners 281 & 282 w/55" arch & 284.

STAINLESS STEEL



FIBERGLASS

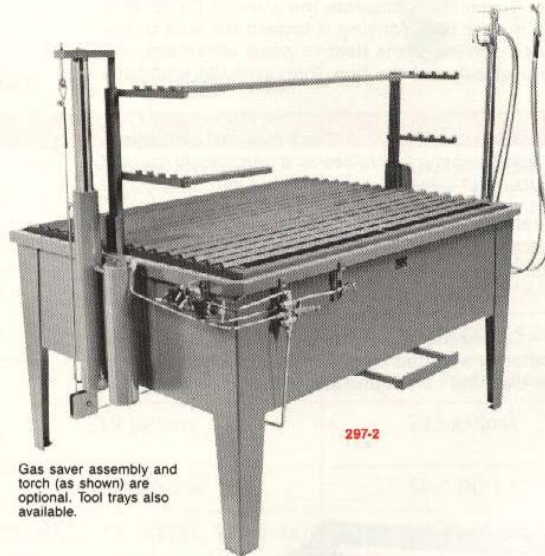


COMBINATION TEST TANK AND PLATFORM LIFT

THE NIFTY LIFTER

- Quality-welded 10 gauge steel tank
- Double flange lip for extra support
- 8-position radiator support rack
- Air hydraulic lift mechanism operates off shop air pressure
- Classic Barbee interchangeable parts

NIFTY-LIFTER SPECIFICATIONS				
Model	Tank Dimensions (I.D.)	Rack Area	Lifting Capacity	Shipping Weight
297-1	48" x 48" x 18"	47" x 45¼"	650 lbs.	620 lbs.
297-2	48" x 66" x 18"	47" x 63¼"	650 lbs.	840 lbs.
297-3	68" x 68" x 18"	65¼" x 67"	1200 lbs.	1220 lbs.



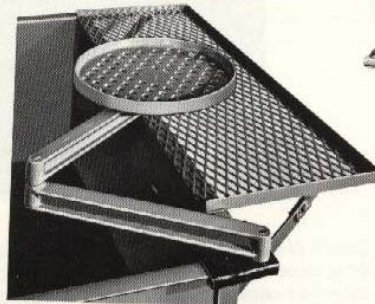
Gas saver assembly and torch (as shown) are optional. Tool trays also available.

297-2

TOOL TRAYS

ROTO-TRAY

The steel base is secured on any corner of a steel testing tank with as much as one inch flange and not more than one half inch thick. Three points of swivel put the tray at your fingertips or completely out of the way. Saves reaching and stretching which means saving physical effort and time.



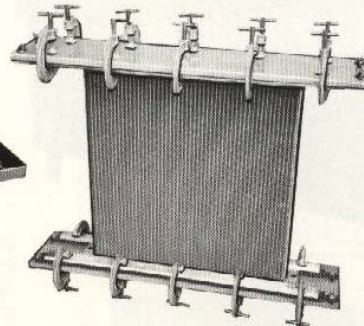
The ROTO-TRAY has a perforated casting, 14½ inches in diameter, always clean. Flux and dirt drop through. Overall length 41¼ inches. Folded length 24¾ inches.

No. 298 Shipping Weight 23 lbs.

TOOL TRAY

Fits on either end of the tank. Installed in a jiffy. No holes to drill. No screws. 43 inches long x 15 inches wide.

No. 299 Shipping Weight 22 lbs.



UNITESTER

Radiator men like the UNITESTER because it enables them to test a bolt-on core very quickly.

A unique system of seals quickly adjusts to various core sizes. The UNITESTER is easily removed to pick up a header leak. Then replace and retest.

Number	Plate Length	Test cores smallest to Width	Thick	Shipping Wt. Lbs.
322-1	36"	31"	4¾"	95
322-2	48"	43"	4¾"	124
322-3	60"	55"	4¾"	145
322-4	72"	67"	7½"	200

NEW, REDESIGNED BARBEE TURBOTANKS

THE ONLY RADIATOR CLEANING EQUIPMENT WITH ALL THESE EXCLUSIVE FEATURES:

QUALITY CONSTRUCTION — Inner tank made of 10 gauge steel, all seams are double welded (inside and outside).

COMPLETELY INSULATED — All Barbee Turbotanks feature fiberglass insulation in sides, bottom and also top. Built to last. All insulation panels are sealed from moisture — assuring minimum heat loss. Stays hot overnight with minimum gas consumption.

IMMERSION BURNER — The burner, in conjunction with the burner tube, forces the flame into the middle of your tank thereby insuring maximum heat transfer to your solution. Each model is fitted with correct burner capacity so that the recovery rate from room temperature to 200 degrees is approximately 75 minutes. This economical type burner works on all types of gas. In ordering please specify which type is to be used.

TURBOLATORS — Unique gas saving device available only on Barbee Turbotanks. Turbolators disperse the core of flame as it passes through the burner tube, driving it toward the wall of the heat tube... thus using more of the heat to good advantage and allowing less to go uselessly out the flue. Increases the efficiency by some 80%.

EASILY CLEANED HEATING TUBES — The tubes can be cleaned outside and inside very quickly. Lid raises to a completely vertical position to reach outside of tubes. If necessary, lid can be lifted off entirely by two men by merely disengaging the counterbalance.

EXCLUSIVE ROLL BAR — Hinges on the lid completely eliminated. Nothing to wear out. Guaranteed trouble free operation for the life of the tank.

TURBO-ACTION — Cleans more radiators in less time. The cleaning solution is constantly agitated by gentle introduction of air to completely dissolve cleaning compound and increase cleaning efficiency.

HYDRAULIC ELEVATOR — Air control valve at finger tip height raises elevator to the top of TURBOTANK so radiator can be slid on and off very easily. Avoids heavy lifting, splashing, or burns. Lid moves automatically with elevator. Available on Models 301-2 and 301-3 only.

EXTRA THICK LID — 4 " fiberglass insulation.

STAINLESS STEEL INNER TOP — Protects against caustic soda vapors.

RECESSED FEET

EASY ACCESS TO BURNER ASSEMBLY THROUGH BURNER BOX

COUNTER BALANCE BAR ALLOWS FINGER CONTROL OF TOP ON 300-2

THREE MODELS TO CHOOSE FROM — Models 300-2 and 301-2 for small to medium size radiators. Model 301-3 for large and very large. There is a Barbee TURBOTANK right for your shop!

ALSO AVAILABLE IN STAINLESS STEEL — All models are available with inside walls and bottom made of stainless steel.



No. 300-2 TURBOTANK Ideal for small to medium size radiators, handles 4 car radiators at a time — 32 to 64 in an 8 hour day. This Turbotank features all of the quality construction of our more expensive units except that it does not have the air-hydraulic lift that automatically opens the lid and brings the radiators to the surface.

No. 300-2 Shipping Wt. 1042 lbs.

No. 300-2-SS (Stainless Steel Tank Interior) . Shipping Wt. 1042 lbs.



No. 301-2 TURBOTANK The finest boil-out vat on the market for the average radiator shop concerned with small to medium size radiators but will handle that occasional large radiator that needs to be cleaned. Has the additional advantage of an automatic air-hydraulic lift that raises the lid and brings the radiators to the surface for draining and easy removal.

No. 301-2 Shipping Wt. 1030 lbs.

No. 301-2-SS (Stainless Steel Tank Interior) . Shipping Wt. 1030 lbs.

No. 301-3 TURBOTANK This heavy-duty tank holds 8 to 12 radiators at a time. Completes 64 to 128 in an 8 hour day. 72" x 62½" x 22" inside measurements accommodates largest tractor and industrial type radiators. Hydraulic power unit and elevator lowers and raises radiators in and out of hot cleaning solution. Lid automatically opens and closes as elevator operates. Move up to the big profit work with this complete cleaning unit! Many radiator shops that are handling the larger radiators on a daily basis need larger cleaning facilities. This is the tank for you. All of the quality features including the air-hydraulic power unit found on the 301-2... only larger. 67" x 53½" x 19½" of dipping space.

No. 301-3Shipping Wt. 1780 lbs.

No. 301-3-SS

(Stainless Steel Tank Interior)...Shipping Wt. 1780 lbs.



SPECIFICATION CHART — TURBOTANKS

MODELS	300-2 AND 300-2-SS	301-2 AND 301-2-SS	301-3 AND 301-3-SS
DIMENSIONS:	Overall Outside — 72¼" x 64" x 24" Overall Inside — 54" x 45½" x 17"	Overall Outside — 74¾" x 53" x 27½" Overall Inside — 54" x 45½" x 17"	Overall Outside — 98⅞" x 69" x 36" Overall Inside — 72" x 62¾" x 22"
DIPPING SPACE:	54" x 39½" x 14¾"	49" x 39½" x 14¾"	67" x 53½" x 19¾"
GAS BURNER CAPACITY:	110,000 B.T.U.	110,000 B.T.U.	192,000 B.T.U.
ELEVATOR:	None	Air Hydraulic	Air Hydraulic
SOLUTION CAPACITY: (to top of burner tubes)	119 gallons	119 gallons	293 gallons
HEATING TUBE SIZE:	4½" OD x 4" ID	4½" OD x 4" ID	6½" OD x 6" ID
CONSTRUCTION:	ALL THREE UNITS MADE OF STEEL WITH DOUBLE WELDED SEAMS Outside — 22 gauge; Inside — 10 gauge; Lid — 14 gauge.		
SHIPPING WEIGHT:	1042 lbs.	1030 lbs.	1780 lbs.
<small>All units shipped in continental 48 states shipped prepaid. Canadian shipments F.O.B. Mississauga, Ontario. Extra unloading charges additional.</small>			

PURGEMASTER HOT TANK

THIS NEW TYPE BOIL OUT TANK HAS MOST OF THE BIG TANK FEATURES AT A SMALL TANK PRICE.

No. 303-1

- Dipping Space 40" x 28" x 30" • 120 gallons • Adjustable orifice up to 71,000 BTU. • Full fiberglass insulation on sides and bottom • Heavy interior shell of 10 gauge steel • 20 gauge exterior • 14 gauge steel top • Top is counter-balanced for easy lifting • Entire top opens to facilitate loading, unloading, and cleaning • Easy access to the side gooseneck drain • Heat indicator on the tank front for easy reading.

OPTIONAL EQUIPMENT — 303-1A Air Agitator, 303-1B Thermostatic Controls. Don't forget the **PURGEMASTER** when you consider a new Hot Tank for your radiator department.

It's the perfect size for 4 to 5 average size radiators placed in an upright position.



NEW REDESIGNED ELECTRIC TURBOTANKS

This line of electrically heated turbotanks has been very popular with the customers who live in areas restricting gas fired units or in those areas that have no gas available at all.

These turbotanks include all of the plus features of our gas fired tanks — i.e. double welded seams, 10 gauge steel, 1" fiberglass insulation all the way around plus 4" in top.

SEE PAGE 10 FOR ALL OF THE NEW FEATURES

Unique to our newly designed electric turbotanks is the waterproof control panel. With cover in place the controls are completely waterproof. Front cover can be raised for changing of controls.

The 300-2E and 301-2E and 301-3E are also available with inside walls and bottom made of Stainless Steel.

The heating pads are located outside of the tank and are thus never subjected to the corrosion of the interior solution. Also note that the tanks are thermostatically controlled from the up-front control panel. Installation is quite simple, since no vent is required.



301-2E
301-2E-SS

ELECTRIC TURBOTANKS

MODELS	300-2E & 300-2E-SS	301-2E & 301-2E-SS	301-3E & 301-3E-SS
DIMENSIONS:	Overall Outside— 68" x 64" x 24" Overall Inside— 54" x 45½" x 17"	Overall Outside— 74⅞" x 53" x 27½" Overall Inside— 54" x 45½" x 17"	Overall Outside— 98⅞" x 69" x 36" Overall Inside— 72" x 62¼" x 22"
DIPPING SPACE:	54" x 45½" x 14¾"	49" x 45½" x 14¾"	67" x 62¼" x 19¾"
UP FRONT AUTOMATIC TEMPERATURE CONTROL:	YES	YES	YES
WATTS:	10,020 12 Heating Pads 835 Watts each	10,020 12 Heating Pads 835 Watts each	25,050 30 Heating Pads 835 Watts each
WIRING:	220 volt, 3 phase (Single Phase Opt.)	220 volt, 3 phase (Single Phase Opt.)	240 volt, 3 phase or 480 volt, 3 phase
WITH HYDRAULIC LIFT:	NO	YES	YES
SOLUTION CAPACITY:	126 gallons	126 gallons	310 gallons
CONSTRUCTION:	ALL THREE UNITS MADE OF STEEL WITH DOUBLE WELDED SEAMS Outside — 22 gauge; Inside — 10 gauge; Lid — 14 gauge.		
SHIPPING WEIGHT:	995 lbs.	1020 lbs.	1780 lbs.

All units shipped in conterminous 48 states shipped prepaid. Canadian shipments F.O.B. Mississauga, Ontario. Extra unloading charges additional.

Rate-O-Flo Now in 3 Sizes

THE HUB OF YOUR RADIATOR SHOP—

Even the best radiator men can't tell when they have a 10% or 15% stoppage. The RATE-O-FLO gives you the exact figures . . . eliminates guess work. You will find this modern testing equipment the center of your repair shop.

MERCHANDISE YOUR SERVICE SHOP—

Modern shops using RATE-O-FLO win customer confidence when they see the efficiency this equipment provides. And you receive valuable advertising material . . . 1000 pamphlets and 1000 report tags, both imprinted with your firm name. The pamphlets are for distribution to your trade telling the advantages of having radiator service done where RATE-O-FLO testing is available. The report tag is for you to fill out and attach to the radiator, giving the gravity flow test when the radiator came in, manufacturers' requirement, and flow test when finished. Additional copies available at nominal charge.

TEST RADIATORS OFF THE CAR—

The RATE-O-FLO is completely mobile. No. 305 and 306 are mounted on casters and equipped with 25 ft. extension cord.

QUICK HOOK-UP . . .

RATE-O-FLO has a female universal copper coupling. No changing of couplings for various size hose. No clamps. You select the correct size hose, insert in coupling, radiator is set on rack, and flexible hose is pushed over radiator hose connection. This takes just a few seconds and RATE-O-FLO is ready for testing.



EASY READING . . .

11" dial. Large black numerals on white background. Chrome indicator hand on black background. Unlike reading a float with small calibrations inside a water tube on which dirt is deposited, RATE-O-FLO has large dial figures from zero to 80 gallons (No. 305) around a circumference of more than 33" — which are always clean — always easy to read.

SIMPLE OPERATION . . .

RATE-O-FLO is simplicity itself. Radiator being attached, handle is turned clockwise until water flows over the filler neck, and indicator handle is then turned back until level of water is maintained just below the overflow. The hand is now pointing to the number of gallons of water per minute that is going through the radiator. A look at the specification chart will show what the flow should be and the difference is the degree of stoppage.

GRAVITY FLOW DATA . . .

With the RATE-O-FLO is furnished our gravity flow data chart. This makes a quick positive check possible and relieves you of guesswork, wasted time and inaccuracies.

RATE-O-FLO SPECIFICATIONS						
MODEL	TEST FLOW	MOTOR	HEIGHT	UPRIGHT SECTION	BASE	SHIPPING WEIGHT
305	Up To 80 Gal. Per Minute	1/2 HP, 115V, Single Phase, 25' Cord	72"	15" Wide 10" Deep	36" Wide 34" Deep	470 lbs.
306	Up to 120 Gal. Per Minute	1/2 HP, 115V, Single Phase, 25' Cord	72"	15" Wide 14" Deep	42" Wide 38" Deep	600 lbs.
307	Up to 190 Gal. Per Minute	1 HP, 230V, Single Phase, 25' Cord	74 1/2"	18" Wide 16" Deep	50" Wide 36" Deep	1,000 lbs.

3 Sizes Now Available

305—Up To 80 Gallons Per Minute

306—Up To 120 Gallons Per Minute

307—Up To 190 Gallons Per Minute



No. 305



BARBEE FLUSH-SPRAY BOOTHS



No. 310 (At left)

An economical booth that combines two necessary facets of the radiator repair shop . . . backflushing and painting. Allows the shop owner to take care of both functions in a minimum amount of space. For backflushing, the radiator is connected to the 5 foot hose inside the cabinet by means of 7 universal fittings with the following sizes: $\frac{5}{8}$ " , $\frac{3}{4}$ " , $1\frac{1}{4}$ " , $1\frac{1}{2}$ " , $1\frac{3}{4}$ " , 2 " and $2\frac{1}{4}$ ". With this range of hose connectors practically any radiator can be accommodated. Counter-balanced lid can be half open or closed during this operation depending on the preference of the operator. Air and water are controlled from the outside of the cabinet.

For painting, when the spray gun is lifted from the holder on the side, a curtain of water flows down the inside back of the booth carrying away much of the excess paint. When replaced on holder, water is automatically cut off. Unit is equipped with paint gun, container and accessories.

No. 310-S (At right)

This larger Flush Spray Booth can accommodate much bigger radiators with ease. Features a built-in hoist for lifting heavy radiators, leak-proof door, and exhaust fan that meets OSHA standards.

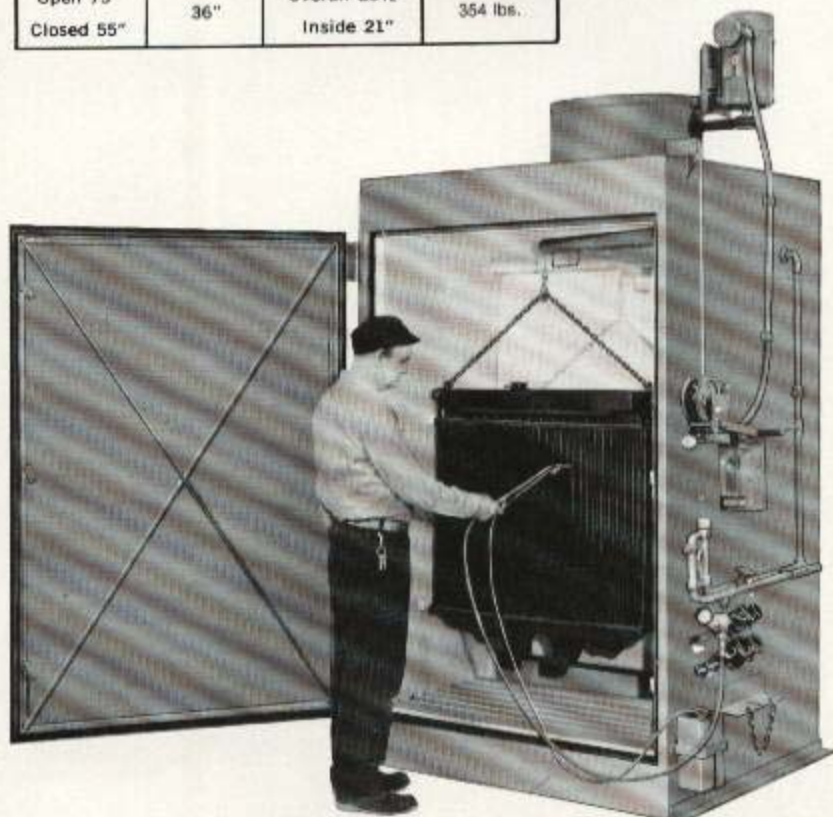
Comes completely equipped with hose connections, chain sling, lifters for bolt-on headers, etc.

Standard equipped with efficient paint gun and tank as pictured. If optional paint equipment is desired, (a 2 gallon pressure tank, commercial paint gun, pressure regulator, gauge, and safety valve), please specify 310-SA.



NO. 310 FLUSH-SPRAY BOOTH SPECIFICATIONS			
Height	Width	Depth	Shipping Wt.
Open 75"	36"	Overall 26 $\frac{1}{2}$ "	354 lbs.
Closed 55"		Inside 21"	

NO. 310-S FLUSH-SPRAY BOOTH SPECIFICATIONS					
Overall Size			Door Opening	Usable Inside Depth	Shipping Weight
Height	Width	Depth			
92"	53"	44"	60" High 42" Wide	41"	1250 lbs.
Cabinet Size					
70 $\frac{1}{2}$ "	46"	41"			



No-310-2 DELUXE FLUSH-SPRAY BOOTH

Large enough to accommodate practically every radiator on the market.

Notice the enormous door opening size of 70" x 52".

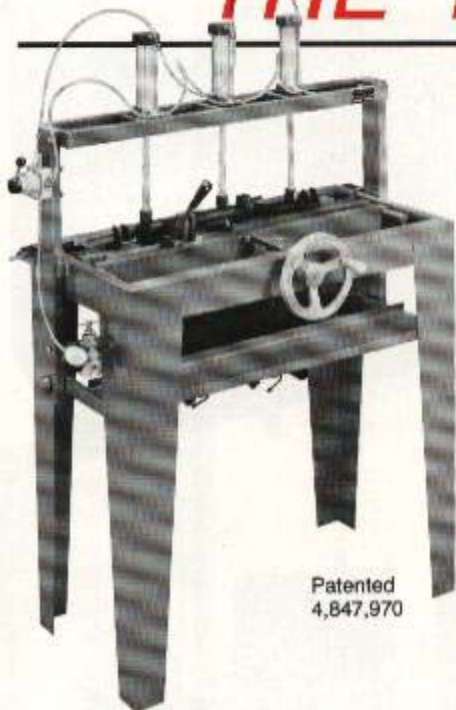
All necessary attachment devices are furnished, such as chain sling, lifters for bolt-on headers, caps for standard passenger and truck radiators, etc.

This unit offered standard with the reliable and shop-tested gun and paint reservoir as pictured. If optional paint equipment is desired (a 2 gallon pressure tank, commercial paint gun, pressure regulator, gauge, and safety valve) please specify 310-2A.

NO. 310-2 FLUSH-SPRAY BOOTH SPECIFICATIONS					
Overall Size			Door Opening	Usable Inside Depth	Shipping Weight
Height	Width	Depth			
108 $\frac{3}{4}$ "	70 $\frac{7}{8}$ "	51 $\frac{1}{2}$ "	70" High 52" Wide	30"	1850 lbs.
Cabinet Size					
87 $\frac{1}{4}$ "	60 $\frac{3}{4}$ "	48"			

PTR (PLASTIC TANK RADIATOR) REPAIRS PROVIDE A NEW AND PROFITABLE OPPORTUNITY FOR YOUR SHOP. RECORES AND REPAIRS MADE EASY WITH THE PTR MACHINES!

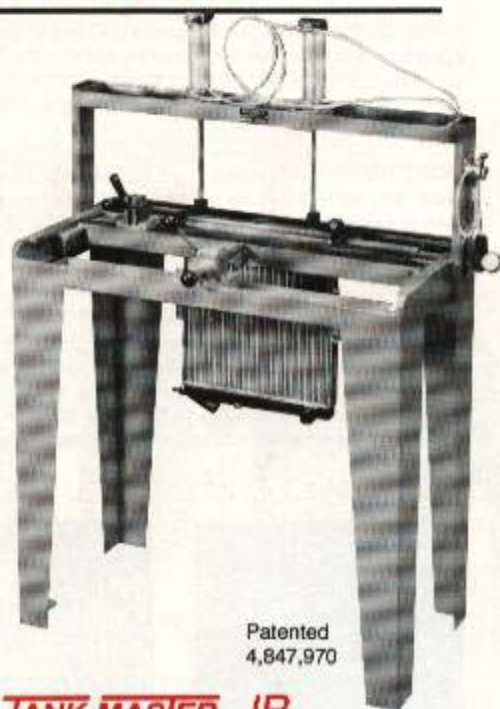
THE TANK MASTER *and* **THE TANK MASTER JR.**



Patented
4,847,970

Check these fantastic features:

- Assures even seating of tank to headerplate with no distortion
- Pistons can be lowered all at once, or one at a time
- Table has cutout areas to accommodate radiators with protrusions below headerplate
- Adjustable crimping tool handles any size tabs



Patented
4,847,970

No. 320 TANK MASTER

The original! Simply clamp the radiator into place using the unique Jaws, center the three air-activated cylinders, and then decrimp or crimp the tabs while the PTR is held firmly in place. Effective sealing of tank to header. No headerplate distortion. A remarkable piece of equipment.

No. 321 TANK MASTER JR.

With the characteristics of our No. 320 Tankmaster but at a lower price. Its unique Quick-Lock device positively locks the headerplate for decrimping and crimping. This quality, yet affordable machine, is built Barbee tough for years of dependable service. For optional third cylinder order No. 321-A.

TANKMASTER SPECIFICATIONS

MODEL	UPPER PISTON ASSY.	NUMBER OF CYLINDERS	ADJUSTABLE CYLINDER RETAINERS	ADJUSTABLE CRIMPING TOOL	3-WAY ROTARY VALVE		
320	SWING AWAY	3	3	YES	YES		
321 JR	FIXED	2	2	YES	YES		
MODEL	GAUGE & REGULATOR	LOCKING MECHANISM	FRONT JAW ROLLER BEARINGS	REAR JAW	TOOL TRAY	LEG LEVELLERS	SHIPPING WEIGHT
320	YES	HAND WHEEL RATCHET TYPE	YES	FIXED	LARGE	YES	385 lbs.
321 JR	YES	CAM LOCKING	YES	FIXED	SMALL	YES	285 lbs.

For more information, call or write today.

BARBEE ULTRASONIC CLEANING FOR AUTOMOTIVE COMPONENTS

SST
SUPER SONIC TANK

Ultrasonic cleaning is the fast, efficient method of removing rust, scale, grease and dirt from hard-to-clean automotive parts. Ultra-high frequency sound waves are produced in a cleaning solution by generators and submerged transducers. These intense vibrations cause millions of tiny bubbles to form and collapse on the surface to be cleaned.

MORE QUALITY — The Barbee SST Super Sonic Tank is manufactured by Barbee of high quality stainless steel for longer life and better service. **Barbee's 70 years** of experience is your assurance of quality, superiority, and reliability.

MORE CONVENIENCE — Barbee's SST Super Sonic Tank features two transducers powered by two separate generators. Each is independently controlled, so you can operate either one, or both at the same time. Automatic 30 minute timers stop cleaning action after period of time you select.

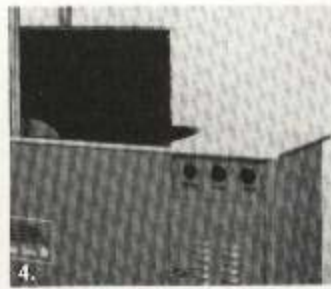
MORE POWER — Barbee's generators produce 500+ watts of power each. You get much more power for the dollar from Barbee. More power means faster and more thorough cleaning.

1. & 2. DUAL GENERATORS AND TRANSDUCERS — Barbee is the only one that normally supplies a generator for each transducer. On the standard model this means 2 generators and two transducers. This gives you more control. It's the more expensive way to go but when it comes to quality, Barbee is never one to skimp. (It is recommended that both generators be remotely located, using the two 25' coax cables provided).

When an automotive part is submerged in the cleaning solution, this powerful action scrubs virtually every bit of foreign matter from the part, quickly and safely, even in areas impossible to reach by other cleaning methods. And Barbee's SST Super Sonic Tank does the job with surprisingly low energy consumption.



Model 333-SS



SUPER SONIC TANK SPECIFICATIONS/CONSTRUCTION

TANK — Heavy-duty, 14 gauge stainless steel, double welded to assure leakproof construction. Fitted with 1½" brass drain valve for easy cleaning.

TRANSDUCERS — Highly efficient electrostrictive elements mounted in stainless steel cans.

INSULATION — Tank is completely encased in a 2" blanket of fiberglass that has a superior insulating rating.

ELECTRICAL REQUIREMENTS — 240 V, single phase, 60 Hz, AC, 35 amp service.

EXTERIOR — Stainless steel.

DIPPING SPACE — 54" long x 12" wide x 21¾" deep.

SHIPPING WT. — 805 lbs.

WARRANTY — Barbee guarantees the Super Sonic Tank unconditionally to be free of defective workmanship and materials for one year. The GENERATORS and TRANSDUCERS are warranted for 2 years.

3. CONVENIENT CONTROLS — Controls are mounted up-front, adjacent to the storage cabinet for maximum convenience. Two 30-minute timers provide operating flexibility by allowing you to operate each generator and transducer separately. The timer shuts off each generator and transducer after the preset time has elapsed. An adjustable thermostat with indicator light lets you know when solution has reached designated operating temperature.

4. DEEPER TANK — Barbee's standard size SST tank is the deepest standard tank on the market. With an overall dipping depth of 21¾", it's the only standard tank deep enough to clean large parts thoroughly. More versatile than the "low profile" tanks, this deeper tank permits you to submerge the part to greater depths as you deem necessary.

Also included are a sturdy 14 gauge stainless steel cover, a heavy-duty support rack in the bottom of tank, (see #2), 10 gauge stainless steel brackets that hold the radiators for draining, 50 lbs. of SST cleaner, and a hydrometer for measuring solution strength.

CUSTOM MODELS

Barbee can produce a custom-built SST Super Sonic Tank in virtually any size or configuration, depending on the application you require.

SST
SUPER SONIC TANK

AN ALL-AROUND PERFORMER BUILT FOR THE RADIATOR SHOP

IN THE PRESSURE WASHING MODE (WITH VARIABLE TEMPERATURE CONTROL)

- The answer for thoroughly cleaning aluminum-cored plastic tank radiators which *cannot* be cleaned using caustic chemicals.
- Generate additional cash flow by steam or pressure cleaning engine compartments while radiator is removed for repairing. (Can your shop use an extra \$10 or \$15 per radiator job?)
- Excellent for cleaning floors, walls and equipment.

IN THE STEAM MODE (300° F)

- Exceptional performance while using steam to remove grease and oil from bolt-on type radiators.
- An excellent pre-cleaner before ultrasonic cleaning or hot vatting.

After using the FORCE ONE for several years in our own radiator shop, we're convinced a more versatile, dependable machine cannot be found.



COMBINATION HOT HIGH PRESSURE WASHER AND STEAM CLEANER

No. 341



MODEL	341 SPECIFICATIONS
Capacity/Pressure	2.1 GPM/1200 PSI
Motor	2 H.P., 115/220 V.
Burner	Pressure Atomizing, Burns Kerosene, #1 & #2 Diesel
Fuel Tank	12 Gallon, Round, 16 Gauge Construction
Controls	Temperature, Soap Metering, Safety Relief, Freeze Weather Blow Down
Dimensions	Length—34", Height—42", Width—27 1/2"
Weight (Shipping)	426 lbs.
Hot High Pressure Operation	Adds 140 degrees to incoming water temperature
Steam Operation	1.2 GPM 250 degrees rise above incoming temperature of water

RAD-blast



ABRASIVE BLASTING EQUIPMENT

OPERATION OF RAD-BLAST:

The operator inserts his hands into the gloves provided and manipulates the gun and piece to be cleaned while controlling the air with the foot pedal, viewing the entire procedure through the large glass panel.

The air is continually being drawn through a separator, housed inside the cabinet, that effectively removes the larger material particles from the air and returns them to the cabinet hopper for reuse.

The air, containing smaller particles, then passes into the large dust collector. This unit is serviced by a 1/2 hp motor working at 400 CFM at 4" static pressure. The dust collector has twelve individual filter bags with a total of 38.5 square feet of surface. There is a manual shaker device on the side of the cabinet that enables the operator to clean the bag without entering the cabinet area. In this manner the air is cleansed of the dust and is returned into the shop area. The expended dust is collected in the bottom tray that is easily removed for dumping purposes. The front panel can be removed when it is necessary to replace bags or service the motor.

RAD-BLAST SUPPLIES ARE LISTED ON PAGE 42

Save valuable cleaning time on tanks, headers, fittings, etc. with this quick and more effective cleaning process — right in your own shop. The Rad-Blast is a completely self-contained unit — available in 3 sizes, each with a separate dust collector. The separator in the Rad-Blast returns 75% of the blasting material to the hopper in the Rad-Blast for reuse.

The air in the Rad-Blast is exhausted into the Dust Collector, which effectively cleans the air. No blasting material or refuse is exhausted into the shop atmosphere.

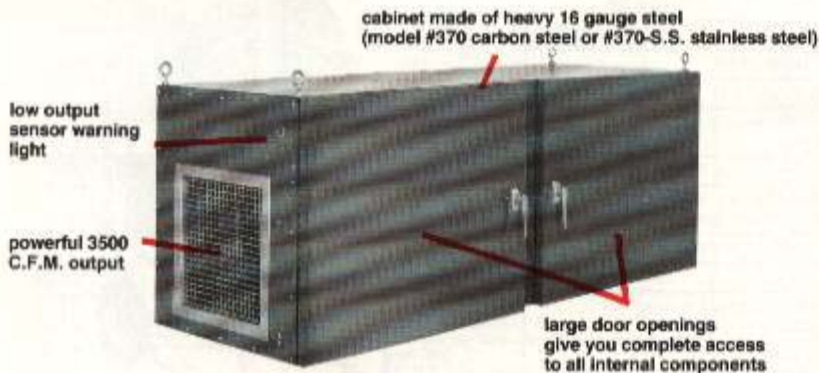
Standard hookup with air and 115 V electricity. All fittings are 1/2". Internal light brightly illuminates the working area.

The 350-2 and 350-3 models are "clam-shell" designed, (as shown above) enabling the operator to place large objects inside the cabinet. All models have side openings for inserting small parts. The 350-1 additionally has a viewing panel that opens for placing of products in the cabinet.

RAD-BLAST SPECIFICATIONS

	Platform Area	Shipping Wt.
No. 350-1 Rad-Blast	48" x 24"	1015 lbs.
No. 350-2 Rad-Blast	40" x 40"	1315 lbs.
No. 350-3 Rad-Blast	48" x 48"	1615 lbs.

Check out these features:



THE ELIMINATOR

Eliminates Harmful Lead Particles & Smoke From Your Shop. All this superior technology at up to 65% cost savings of our previous units.

This powerful unit — built Barbee tough — will give your shop years of dependable service. Also available with Hepa-Filter.

The Clearwater 401 & The Louisville Sludger

PATENT NUMBER 4,714,558



After over two years of research and development, The Barbee Company is proud to announce the creation of an innovative wastewater system.

- It is **EFFECTIVE** in dealing with wastewater and sludge.
- It is **AFFORDABLE** to the average repair shop.
- It is **SIMPLE** to operate and maintain.

- The Barbee System is as easy as 1-2-3!**
1. Capture the wastewater in a flush booth, or your current flush basin.
 2. Separate the sludge from water that can be re-used — The CLEARWATER 401 does the job!
 3. Dry the sludge. Done effectively by The LOUISVILLE SLUDGER!

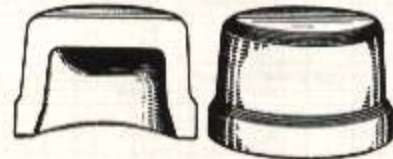
EQUIPMENT SPECIFICATIONS					
ITEM	OVERALL SIZE			CAPACITY	SHIPPING WEIGHT
	Height	Width	Depth		
CLEARWATER 401-1	97"	36"	36"	280 gal.	920 lbs.
CLEARWATER 401-2	107"	48"	48"	550 gal.	1630 lbs.
LOUISVILLE SLUDGER 402	66"	48"	32"	—	320 lbs.

Wastewater management. When it comes to solving tough problems for the radiator repair industry . . . turn to the innovators. The Barbee Company.

"Standard For The Radiator Repair Industry"

BARBEE RADIATOR TESTING CAPS

First radiator testing cap made from rubber compounded for the peculiar problems of the radiator repair trade . . . that good old, red, tough, pliable rubber. Outholds and outlasts any other testing cap.



BARBEE RADIATOR TESTING CAPS ARE FIRST IN SALES BECAUSE THEY ARE FIRST IN SERVICE.

First testing cap beveled at the opening. They go on naturally and easily.

First cap rounded outside and inside at the closed end. The rounded outside surface is much easier on the hands. The rounded inside surface gives the cap more strength.

Important! The size of each testing cap indicates that it is to be used on that size fitting. Example: use No. 1-5 size on 1½" fitting. Due to the material used in some caps and the manner in which they are made there has been a tendency to order a size smaller than the fitting on which the cap is to be used. Do not follow this practice in ordering BARBEE RADIATOR TESTING CAPS.

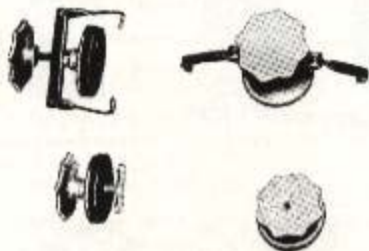
You can order in complete sets or individually. Order any size and quantity you wish.

Part No.	Size	Number of Caps in a 1-S Set of 20
1-1	1"	1
1-2	1¼"	1
1-3	1½"	2
1-4	1¾"	1
1-5	1½"	4
1-6	1¾"	1
1-7	1¾"	4
1-8	1¾"	1
1-9	2"	1
1-10	2¼"	1
1-11	2¼"	1
1-12	2½"	1
1-13	2¾"	1

No. 1-S (Set) includes all sizes, check column 3 above for specific number of each size included in the set.
Shipping Wt. 6 lbs.

Set price offers a 10% savings.

FILLER NECK TESTING CAPS



Solid filler neck testing caps to be used when testing through the overflow pipe. Every shop should have this set of caps. Will take care of most filler necks.

Clamps securely to filler-neck — will not blow off.

No. 2-1 Adjustable. One cap fits both 2-11/16" and 2-1/4" outside flange filler necks. Shipping Wt. 11 ozs.

No. 2-2 Fits most inside flange filler necks. Shipping Wt. 13 ozs.

No. 2-S set of two, consists of one each Nos. 2-1 and 2-2. May be ordered individually Weight of No. 2-S set — 1 lb. 14 oz.

TRACTOR & GAS TANK CAPS



Tractor Caps and Gas Tank Caps are ruggedly made for heavy duty work. Will not leak. Rubber bushing recessed in plate.

Heavy brass wing nut castings.

Select the length bar you need, slip onto the threaded steel shaft, and secure with threaded bar nut.

No. 7-1 Tractor Radiator Cap — made for irregular openings.

No. 7-2 Gas Tank Cap is identical to tractor cap except smaller in size, designed to cover gauge openings.



Number	Plate Casting	Rubber Disc	Shipping Wt.
7-1	6"	3/16"	5 lbs.
7-2	3-1/2"	3/16"	1 lb. 5 oz.

THERMOSTATS



3-1 No. S-330, 160° 3 Oz.
3-2 No. S-370, 160° 3½ Oz.

3-3 No. S-330-H, 180° 3 Oz.
3-4 No. S-370-H, 180° 3½ Oz.

3-5 No. S-330XH, 195° 3 Oz.
3-6 No. S-370XH, 195° 3½ Oz.
3-7 No. S-335, 195° 3 Oz.

EXPANSION PLUGS

(BRASS AND NYLON)

TAPERED RADIATOR EXPANSION PLUGS — 22 sizes on request. Set of 9 plugs (No. 4-S), consists of one each 4-4, 4-8, 4-10; two each 4-6, 4-7 and 4-9.

Note: To determine plug for a given fitting, measure the inside diameter and choose a plug that has a larger top diameter and a smaller bottom diameter. For instance, if the inside diameter is 1 1/8", No. 4-9 is the correct size.

Number	Top Diam.	Bottom Diam.	Number	Top Diam.	Bottom Diam.
4-00	9/16"	3/8"	4-7	1-7/16"	1-3/16"
4-0	11/16"	1/2"	4-8	1-5/8"	1-5/16"
4-1	3/4"	9/16"	4-9	1-3/4"	1-7/16"
4-2	13/16"	5/8"	5-10	1-15/16"	1-5/8"
4-3	15/16"	11/16"	4-10-1	1-1/16"	1-3/4"
4-4	1"	25/32"	4-11	2-3/16"	1-7/8"
4-5	1-1/16"	7/8"	4-11-1	2-15/32"	1-15/16"
4-5-1	1-1/8"	15/16"	4-12	2-1/2"	2-1/8"
4-6	1-1/4"	1"	4-13	2-21/32"	2-1/4"
4-6-1	1-11/32"	1-1/16"	4-13-1	2-15/16"	2-13/32"
			4-14	3-1/2"	2-15/16"
			4-15	4"	3-1/4"

No. 4-S (Set) Shipping Weight 1 1/2 lb.

OIL COOLER EXPANSION PLUG — Expansion plug for keeping oil cooler clean and dry inside while working on radiator or for testing oil cooler.

No. 4-00 top diameter 9/16", bottom diameter 3/8" Shpg. Wt. 1/2 oz.

HEATER EXPANSION PLUGS — Positive, quicker heater testing. Available single or in sets. Set consists of 1 open stem plug and one closed stem plug.

Number	Type	Description	Shpg. Wt.
5-2-1*		Open stem for testing	1 oz.
5-2-2*	5/8" Heater Fitting	Closed stem	1 oz.
5-2-3*		Set of 2, 1 each 5-2-1, 5-2-2	2 oz.
5-3-1*		Open stem for testing	1 oz.
5-3-2*	3/4" Heater Fitting	Closed stem	1 oz.
5-2-3*		Set of 2, 1 each 5-3-1, 5-3-2	2 oz.
5-4-1*		Open stem for testing	4 1/2 oz.
5-4-2*	1/2" Heater Fitting	Closed stem	4 1/2 oz.
5-4-3*		Set of 2, 1 each 5-4-1, 5-4-2	9 oz.

OFFSET EXPANSION PLUGS FOR FILLER NECK Shpg. Wt.

- *No. 6-0 Fits 32mm (1.26") filler neck 6 oz.
- *No. 6-1 Fits 2-1/4" filler neck 6 oz.
- *No. 6-2 Fits 2-11/16" filler neck 6 oz.
- *No. 6-SS Set of 3, 1 each 6-0, 6-1, 6-2 1 lb. 3 oz.

PRESSURE CAPS

8-3 No. R-3	3 oz.	8-29 No. R-29 (Replaces R-16)	3 oz.
8-5 No. R-5	4 oz.	8-30 No. R-30 (Replaces R-18)	2 1/2 oz.
8-7 No. TR101 (Replaces R-7)	5 1/2 oz.		Models 1978 and Older
8-8 No. R-8	3 1/2 oz.	8-31 No. R-31 (Replaces R-18)	2 1/2 oz.
8-28 No. R-28 (Replaces R-9)	3 1/2 oz.		Models 1977 and Newer

EXPANSION PLUGS

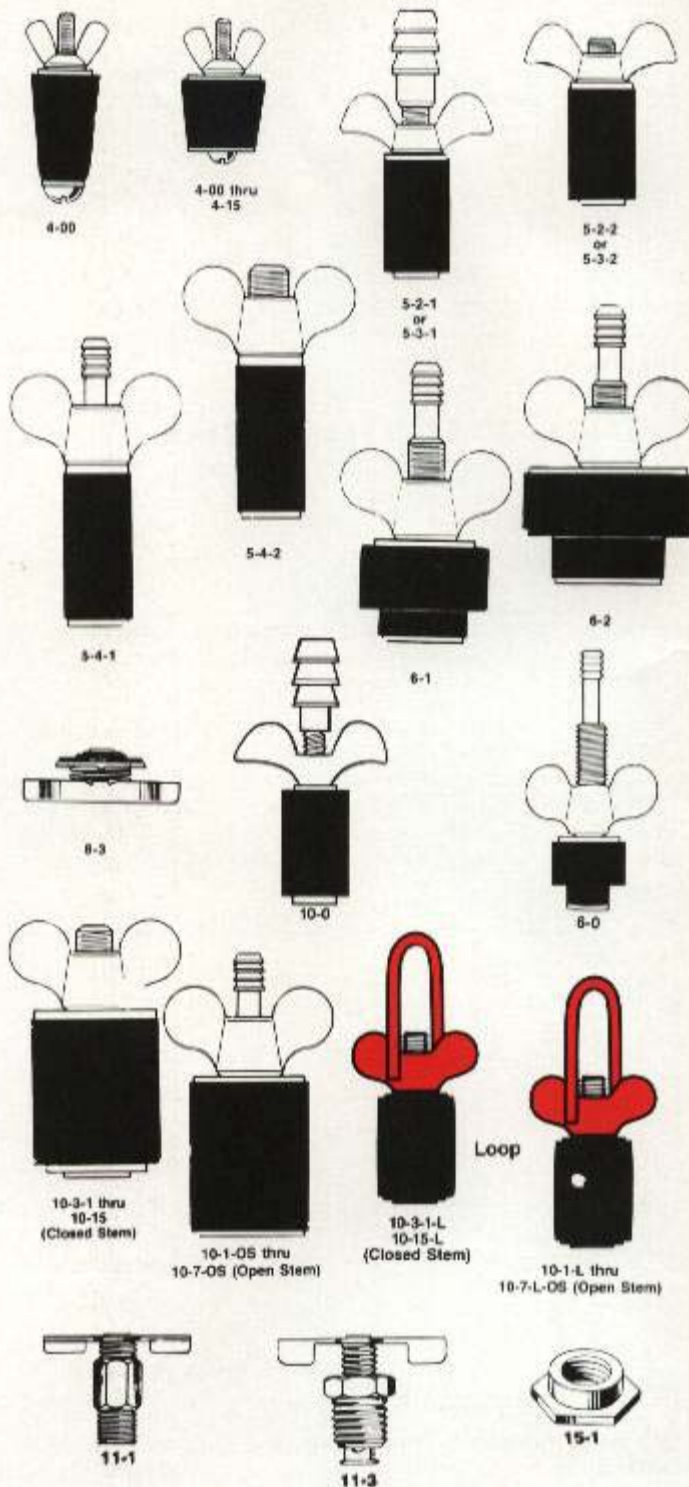
Straight Type, Open Stem for Testing. These plugs have the straight type rubber. All of the brass parts should last a lifetime. The suffix OS denotes a hollow stem for testing purposes. The LOOP EXPANSION PLUG has a rounded steel rod brazed to the wing nut. With the loop they can be conveniently hung, and provides a comfortable handle. For the larger sizes a screwdriver can be inserted in the loop for more leverage.

Standard Wingnut Number	Wingnut with Loop Number	Fitting Size	Shipping Wt.
10-0	---	32mm (1.26") Filler Neck	1 oz.
10-1*	10-1-L-OS	2 1/4" Filler Neck	5 oz.
10-2*	10-2-L-OS	2 11/16" Filler Neck	7 oz.
10-SS	---	Set of 3, 10-0, 10-1, 10-2	13 oz.
10-3-1-OS*	10-3-1L-OS	For 1" Fitting	5 oz.
10-3-2-OS*	10-3-2L-OS	For 1 1/4" Fitting	5 oz.
10-3-3-OS*	10-3-3L-OS	For 1 1/2" Fitting	6 oz.
10-4-OS*	10-4-L-OS	For 1 1/2" Fitting	6 1/2 oz.
10-5-OS*	10-5-L-OS	For 1 3/4" Fitting	7 oz.
10-6-OS*	10-6-L-OS	For 1 3/4" Fitting	7 1/2 oz.
10-7-OS*	10-7-L-OS	For 2" Fitting	9 oz.
		For 2 1/8" Fitting	12 oz.
		For 2 1/4" Fitting	13 oz.
		For 2 3/8" Fitting	14 oz.
		For 2 1/2" Fitting	1 lb.
		For 2 5/8" Fitting	1 lb. 3 1/2 oz.
		For 3 1/8" Fitting	1 lb. 3 oz.
		For 3 1/4" Fitting	1 lb. 7 oz.
		For 3 3/8" Fitting	1 lb. 10 oz.

EXPANSION PLUGS

Straight Type, Closed Stem

Standard Wingnut Number	Wingnut with Loop Number	Fitting Size	Shipping Wt.
10-3-1*	10-3-1L	For 1" Fitting	6 oz.
10-3-2*	10-3-2L	For 1 1/4" Fitting	6 oz.
10-3-3*	10-3-3L	For 1 1/2" Fitting	6 1/2 oz.
10-4*	10-4-L	For 1 1/2" Fitting	6 1/2 oz.
10-5*	10-5-L	For 1 3/4" Fitting	7 oz.
10-6*	10-6-L	For 1 3/4" Fitting	7 1/2 oz.
10-7*	10-7-L	For 2" Fitting	9 oz.
10-8	10-8-L	For 2 1/8" Fitting	12 oz.
10-9	10-9-L	For 2 1/4" Fitting	13 oz.
10-10	10-10-L	For 2 3/8" Fitting	14 oz.
10-11	10-11-L	For 2 1/2" Fitting	1 lb.
10-12	10-12-L	For 2 5/8" Fitting	1 lb. 3 1/2 oz.
10-13	10-13-L	For 3 1/8" Fitting	1 lb. 3 oz.
10-14	10-14-L	For 3 1/4" Fitting	1 lb. 7 oz.
10-15	10-15-L	For 3 3/8" Fitting	1 lb. 10 oz.



Expansion Plug Sets—Mixed Loop Expansion Plug Sets—Mixed

Number	Shp. Wt.	Number	Shp. Wt.
10-16*	Set of 6, 1 ea. 10-1, -7, 2 ea. 10-4, 3	10-16-L	Set of 6, 1 ea. 10-1-L, 10-7-L; 2 ea. 10-4-L, 10-6-L
10-17*	Set of 9, 1 ea. 10-1, -2, -7; 2 ea. 10-4, -5, -6;	10-17-L	Set of 9, 1 ea. 10-1-L, 10-2-L, 10-7-L; 2 ea. 10-4-L, 10-5-L, 10-6-L;

DRAIN COCKS		
Number	Size	Weight of 100 Drain Cocks
11-1	1/8"	3 lbs.
11-3	1/4"	4 1/2 lbs.
DRAIN COCK FLANGES		
Number	Size	Weight of 100 Flanges
15-1	1/4"	1 1/2 lbs.



OVERFLOW TUBING Overflow tubing is available in copper and rubber. In the copper 25 ft. and 50 ft. coils. In the rubber 100 ft., 500 ft., and 1000 ft. coils.

Number	Material	Diameter	Wall	Coil
20-1	Copper	3/4"	.020	X
23-1	Rubber	1/2"	1/16"	X
23-2	Rubber	1 1/2"	1/32"	X

BRASS SHEETING

SOFT BRASS SHEETS — PLAIN			
Number	Gauge	Width	Weight Per Ft.
25-1	24	12"	1 lb.
25-2	30	12"	1/2 lb.
SOFT BRASS SHEETS — TINNED BOTH SIDES			
Number	Gauge	Width	Weight Per Ft.
30-1	24	12"	1 lb.

MURIATIC ACID 20 degree. Shipped in handy plastic container on which no deposit is necessary.

No. 34 — 1 Gallon Shipping Wt. 10 lbs.
CAN ONLY BE SHIPPED BY MOTOR EXPRESS

EPOXY KIT Recommended for the repair of aluminum radiators. Remarkable adhesive qualities.

Bonds most materials.
 Mixes equal parts resin and hardener.
 No. 45 Shipping Wt. 8 oz.

FIBERGLASS REPAIR KIT contains resin, hardener, fiberglass cloth, mixing paddle, applicator, mixing tray and complete instructions.

No. 46 Shipping Wt. 2 lbs.

SAL-AMMONIAC Soldering coppers are good, efficient tools only when perfectly tinned. Also they last much longer. Keep your soldering coppers tinned with SAL BRICK SAL-AMMONIAC. Marble-like hardness makes it more economical.

No. 47 Shipped in handy 1-lb. bricks

MARK-A-LEEK-STIK For marking radiator leaks even under water. Mark all of them at one time. Saves time.

No. 48 3 doz. (Std. Pkg.) 1 lb. 7 oz.

SQUIRT BULB Large rubber bulb with hard rubber spout. Excellent for squirting acid and flux.

No. 51 Shipping Wt. 8 oz.

HOSE CLAMPS

52-2	3/32"-3/8"	1 oz.	52-28	1/2"-1 1/4"	1 oz.
52-12	1/2"-2 3/16"	1 oz.	52-36	1 1/8"-2 1/2"	1 oz.
52-20	1 1/16"-1 1/4"	1 oz.			

BRASS FILLER NECKS

Shipping Weight/Lbs. Ozs.

- No. 12-1 Ford 1-1/2
- No. 12-2 General Motors 1-1/2
- No. 12-3 Truck 2

BRASS REINFORCEMENT RINGS

- No. 14-1 1 1/4" I.D., 50 pcs. 14
- No. 14-2 1 1/2" I.D., 50 pcs. 17

CON-SOL ALUMINUM SOLDER KIT Flows on to the aluminum smoothly and easily, at a low melting temperature of 475 degrees F. Tensile strength is 7000 PSI. All that is needed is a regular gas and air torch.

No. 16 kit consisting of 10 ft. of 1/16" diameter solder & 1/2 fluid oz. of flux Shipping Wt. 4 oz.

QUIK-STIC GASKET TAPE Cork and rubber gasket material which has proven a big time saver in radiator repair for use in assembling bolt-on radiators. Peel off backing and it's ready to stick.

- No. 17-1 1 1/4" x 1/16" x 100 ft. Shipping Wt. Per Roll 3 lbs.
- No. 17-2 1 1/4" x 1/16" x 50 ft. Shipping Wt. Per Roll 3 1/2 lbs.

BARBEE RADIATOR PAINT

BLACK RADIATOR ENAMEL Tailor made for the radiator trade. A good black paint that does not "brown-out" at the edges. Excellent covering power. Produces a medium glossy, jet black, factory-new finish. Strips easily in the cleaning tank.

Merchandise your work by using either BARBEE No. 43 or 53 paint. They are the best on the market. We recommend VM & P naphtha thinner for a faster drying agent.

No. 43 RADIATOR ENAMEL use 2 parts of thinner to 1 part of Barbee Radiator Enamel.

- No. 43 55 Gal. (Non-returnable agitator drum) 450 Shipping Wt.
- 5 Gal. Pail 37 1/2 Shipping Wt.
- 1 Gal. Pail 8 Shipping Wt.

No. 63 Radiator Paint (Water Base)

- 55 Gal. 11-5 Gal. Pails 484 Lb. Shipping Wt.
- 5 Gal. Pail 44 Lb. Shipping Wt.
- 1 Gal. Pail 9 Lb. Shipping Wt.



43, 53 and 63

POWERFUL RADIATOR ENAMEL CONCENTRATE This improved radiator paint is in a concentrated form for economical shipping...economical application. Much thicker than anything you have ever used! Gives a rich, black, medium glossy finish!

YOU CAN DILUTE AS MUCH AS 2 TO 1 OR 3 TO 1 PARTS THINNER TO PAINT still maintaining the excellent jet black color.

THE BEST PAINT WE HAVE EVER USED. ECONOMICAL!

No. 53 Radiator Enamel

- 55 Gal. 11-5 Gal. Pails 429 Lb. Shipping Wt.
- 5 Gal. Pail 39 Lb. Shipping Wt.
- 1 Gal. Pail 8 Lb. Shipping Wt.

BULK SHIPMENTS MUST GO MOTOR FREIGHT. INDIVIDUAL 5 GALLON PAIL MAY BE CARTONED FOR U.P.S. SHIPMENT.

BARBEE CHEMICALS



ZERO-ZINC In this environmental conscious age Zero-Zinc is a major development in zinc-free flux technology. Remove the problem source of zinc contamination from your shop's wastewater by using Zero-Zinc. No need for dilution, ready for instant use.

No. 31 1 Gal. 8 Lbs. 4 oz. Shipping Wt.
5 Gal. 44 Lbs. 12 oz. Shipping Wt.
55 Gal. 457 Lbs. Shipping Wt.



TANK SAVER™ A highly effective internal fuel tank liner to protect and prolong the life of most automotive fuel tanks.

No. 32 1 case (4 gallons) 32 Lbs. Shipping Wt.
1 gallon 8 Lbs. Shipping Wt.
1 case (12 quarts) 30 Lbs. Shipping Wt.
6 quarts 15 Lbs. Shipping Wt.
1 quart 2 Lbs. 8 oz. Shipping Wt.

CAN ONLY BE SHIPPED BY MOTOR EXPRESS

DYNA-FLUX Liquid Soldering Flux. Our newest and most powerful flux that makes tough soldering jobs a pleasure. Looks great and smells even better. For badly corroded work dilute 1 part of Dyna-Flux with 1 part water. For lightly corroded work mix 1 part Dyna-Flux with 3 parts water.

No. 33 30 Gal. 346 Lbs. Shipping Wt.
5 Gal. 58 Lbs. Shipping Wt.
1 Gal. 11 Lbs. Shipping Wt.

B & B SOLDERING FLUX The secret of the success of B & B Soldering Flux is its penetrating action. B & B digs down into the smallest openings and takes the solder along with it. Take advantage of the scientific advances incorporated in B & B that result in easier, faster soldering.

For badly corroded work, dissolve 5 to 6 lbs. of B & B Soldering Flux in 1 gallon of water. For lighter work, such as reworking, use 2½ to 3 lbs. of B & B Soldering Flux to 1 gallon of water.

Keep B & B Soldering Flux covered tightly as it absorbs moisture readily. No harm is done if powder becomes hard. It is just more difficult to handle. The best procedure is to make up a solution of all the contents of the container as soon as opened using an earthenware vessel and a minimum of 1 gallon of water to 10 lbs. of B & B Soldering Flux.

No. 35 50 Lbs. 54 Lbs. Shipping Wt.
10 Lbs. 11 Lbs. Shipping Wt.



ATOMIC SOLDERING FLUX A concentrated liquid soldering flux ready for instant use. This powerful economical...ATOMIC Soldering Flux in its highly concentrated form means smaller containers and less shipping weight. Save two ways — (1) actual dollar and cent cost and (2) time saved by speeding up the repair job.

Mix 1 part Atomic Soldering Flux with 1 part water for badly corroded work — or 1 part Atomic Soldering Flux with 3 parts of water for light work.

No. 36 30 Gal. 394 Lbs. Shipping Wt.
5 Gal. 66 Lbs. Shipping Wt.
1 Gal. 14 Lbs. Shipping Wt.



BARBITE RADIATOR CLEANER This radiator cleaner is strictly a quality product; a combination of chemicals that insures thorough and fast cleaning. Rinses thoroughly, leaving no deposit. Your hot tank needs it.

Nothing has been spared to make BARBITE the very best radiator cleaner that modern science can produce. BARBITE is one of the oldest in radiator

cleaners. You will like BARBITE. Most radiator men do. It costs less to use the best. Do **NOT** use with aluminum radiators.

No. 37 40 Lbs. 43 Lbs. Shipping Wt.
150 Lbs. 155 Lbs. Shipping Wt.
400 Lbs. 426 Lbs. Shipping Wt.



TinTasTik A completely homogenized solder creme, ready-to-use for one step tinning. Tins brass, copper, iron or steel. Never separates or settles. Just heat area to be soldered, apply creme, use additional heat as necessary. Area becomes instantly tinned.

No. 38 1 quart can 4 Lbs. Shipping Wt.
1 Case (6 One Quart Cans) 26 Lbs. Shipping Wt.
5 Cases 130 Lbs. Shipping Wt.



LIQUID SOLDERING FLUX We have combined many of the best features of our popular Atomic Flux into this low cost product. Excellent results can be achieved on light to medium duty soldering. Ready for instant use.

No. 39 30 Gal. 328 Lbs. Shipping Wt.
5 Gal. 56 Lbs. Shipping Wt.
1 Gal. 9 Lbs. Shipping Wt.



JET SEAL Now available in new green color. New wonder-working dry additive that insures against leaks...eliminates costly combacks. Place one tablespoon of JET SEAL into radiator and disperse with a jet of air. JET SEAL is guaranteed by the Barbee Company's years of experience in radiator repair service.

No. 40 1 quart can 2¼ Lbs. Shipping Wt.
1 Case (6 One Quart Cans) 13 Lbs. Shipping Wt.



ULTRASONIC TANK CLEANER Our S.S.T. Cleaner does an outstanding job in any ultrasonic tank. Mix ½ to ¾ lb. to gallon of water. Pour liquid into tank.

No. 41 50 Lbs. 53 Lbs. Shipping Wt.
150 Lbs. 160 Lbs. Shipping Wt.
400 Lbs. 426 Lbs. Shipping Wt.



TIN QUICK A tinning compound blending sophisticated chemicals that speed up tinning. A mixture of pulverized solder with catalytic agents. Merely heat the metal and wipe on. The 3 lb. size is packaged in a plastic container — reusable for a flux or acid container when empty.

Packaged in 1 lb.; 3 lb.; 6 lb., and 12 lb. containers.

No. 42 48 Lbs. (4-12's) 56 Lbs. Shipping Wt.
12 Lbs. (1-12) 14 Lbs. Shipping Wt.
24 Lbs. (4-6's) 28 Lbs. Shipping Wt.
6 Lbs. (1-6) 7 Lbs. Shipping Wt.
18 Lbs. (6-3's) 20 Lbs. Shipping Wt.
3 Lbs. (1-3) Plastic Container 4 Lbs. Shipping Wt.
12 Lbs. (12-1's) 18 Lbs. Shipping Wt.
6 Lbs. (6-1's) 9 Lbs. Shipping Wt.
1 Lb. (1-1) 1½ Lbs. Shipping Wt.



SPOT-WELD The pride of the radiator industry for stopping tiny leaks that cannot be economically soldered. When your customer needs a new recore but can't afford it — this marvelous chemical saves the day.

SPOT-WELD is shipped in highly concentrated form. Dilute 1 part of SPOT-WELD with 5 parts of water. Stir well before using.

No. 44 10-oz. cans, 24 to the carton 22 Lbs. Shipping Wt.
1 Gallon container 10 Lbs. Shipping Wt.
5 Gallon container 47 Lbs. Shipping Wt.



STIC-TITE For repairing aluminum radiators. Remarkably effective. Use like solder. Clean the surface. Heat surface until hot enough to melt STIC-TITE and then apply a generous amount of STIC-TITE to heated surface. Thus, the plastic is very easy to apply and makes a long lasting bond.

No. 49 . . . ½ Oz. Shipping Wt.



PRO-BLOCK A Pro-Block is added to your test tank each time you change water. As the Pro-Block slowly dissolves, it neutralizes acid and flux in the water and prolongs the life of the testing tank. It also protects hands from harmful acids.

No. 50 . . . 1 Lb. Shipping Wt.

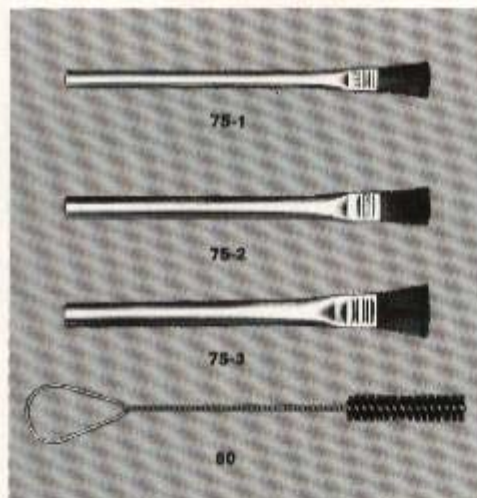


BARBEE TANK BLOCK AND POWDER Neutralize acid and flux in your test tanks with the convenience of Barbee's new tank block and tank powder. Add to your tanks each time you change water. Barbee's Tank Block prolongs the life of the testing tank and protects operator's hands from harmful acid.

Now available in two convenient containers:
1 Lb. Block in plastic container for slow-dissolving effect.
1 Lb. Powder is plastic throw-away bag for quicker action. Include #54 Tank Block or Tank Powder on your next order.

No. 54-1 Tank Block . . . 1 Lb. Shipping Wt.
No. 54-12 Tank Block . . . 12 Lb. Shipping Wt.

No. 56-1 Tank Powder . . . 1 Lb. Shipping Wt.
No. 56-12 Tank Powder . . . 12 Lb. Shipping Wt.



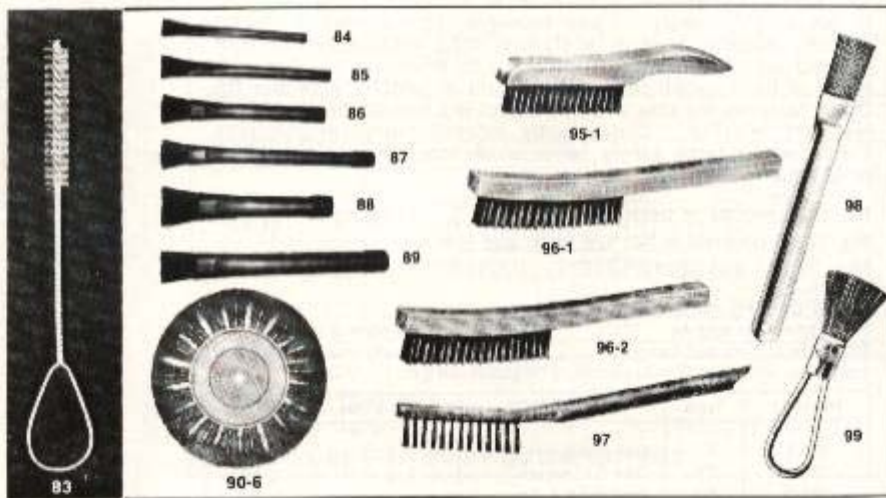
100% HORSE HAIR BRISTLE BRUSHES

This together with "double" crimping results in the strongest bond between hair and handle of any flat acid brush.

Barbee flat acid brushes cost less because we start with the best material (100% horse hair), put more hair in each brush, and crimp it so that the hair does not pull out.

Flat acid brushes packed 1 gross to the box. Shipped in 6 and 12 gross cases. Minimum shipment 1 gross. Round acid brushes packed in bundles of 3 dozen each. Minimum shipment 3 dozen.

Number	Color Hair	Brush length	Width or Diam.	Wt. Lbs.
FLAT ACID BRUSH				
75-1	Black	7/8"	3/8"	2 1/2
75-2	Black	7/8"	1/2"	3
75-3	Black	7/8"	5/8"	4
ROUND TWIST BRUSH				
80	Black	2 1/2"	1/2"	1 lb.



ROUND TWIST — WIRE BRUSH WITH STAINLESS STEEL "BRISTLE" Resists acid and heat.

Excellent for tinning those hard-to-get-to places. Digs right down into the depressed area around the tubes. Economical because there is more brush life per dollar and tinning is faster. Brush 3/8" x 2".

- No. 83** 1 doz. — Shipping Wt. 3 1/2 oz.
- No. 84 Fiberglass brush.** The tough fiberglass bristles run full length of handle. Strong tinned steel handle with double crimping. Long lasting. Just pull bristles forward when necessary. 6" handle, 3/8" diameter. 1 oz.
- No. 85 Fiberglass brush.** Same as the No. 84, only larger. Overall length 7", handle 1/2" diameter. 1 oz.
- No. 86 Flat Fiberglass.** Same as 84 but with Copper handle. 5/8" x 6". 2 oz.
- No. 87 Flat Fiberglass.** Same as 84 but with Copper handle. 5/8" x 9". 3 1/2 oz.
- No. 88 Flat Fiberglass.** Same as 84 but with Copper handle. 7/8" x 6". 3 1/2 oz.
- No. 89 Flat Fiberglass.** Same as 84 but with Copper handle. 7/8" x 9". 5 oz.

TWIS-TUFT WIRE WHEEL BRUSHES

Number	Diameter	Width At Arbor	Face Width	Wire Gauge	Weight Each
90-6	6"	3/8" x 1/2"	3/4"	30	1 1/4 lb.
90-8	8"	3/8" x 1/2"	7/8"	30	2 1/2 lbs.
90-10	10"	5/8" or 3/4"	1"	30	4 lbs.

When ordering please state arbor hole size. We stock 1/2", 5/8" and 3/4" arbor hole sizes.

CARBON STEEL & STAINLESS STEEL BRUSHES

Carbon Steel Number	Stainless Steel Number	Rows	Lgth. of Brush	Lgth. of Wire	Wt. Per Dozen	Number Per Carton
95-1	95-1-SS	4x17	5"	1 1/4"	5 lbs.	1 doz.
96-1	96-1-SS	3x19	6 1/4"	1 1/4"	5 1/2 lbs.	1 doz.
96-2	96-2-SS	2x19	6 1/4"	1 1/4"	3 3/4 lbs.	1 doz.
97	97-SS	2x3	3 1/4"	7/8"	2 1/2 lbs.	1 doz.
98	98-SS			1 5/8"	1 3/4 lbs.	1 doz.
99	99-SS			1 1/2"	1 1/4 lbs.	1 doz.

Switch to stainless steel. Much cheaper in the long run. All steel handles are carbon steel.

Digital Thermometer

Precision-built, state-of-the-art electronic digital thermometer gives you instantaneous temperature readouts by just submerging the probe into the radiator fillneck or applying it to the metal surface. This unit runs 500 hours on a 9-volt battery.



RANGE -125°F To +500°F
No. 114 Shipping Wt. 12 oz.

ARMORED THERMOMETERS

Full Size—Designed especially for the radiator service trade, this thermometer is fully encased in heavy metal to prevent breakage. A window in the case runs entire length of scale allowing easy readings. Scale is precision-calibrated and clearly etched into glass. Length 13".
No. 115-1, for testing liquid in cooling system, 80° to 270° Shipping Wt. 6 oz.
No. 115-1-1, refill Shipping Wt. 1 oz.
No. 115-2, for testing solder in Head-R-Dip, 100° to 900° Shipping Wt. 7 oz.
No. 115-2-1, refill Shipping Wt. 1 oz.

Pocket — Built to rigid specifications. Fully encased to prevent breakage. Red spirit-filled for easy reading. Equipped with pocket clip. Heat range 80°F to 270°F. Overall length 6 1/2". Serves the same purpose as the full size thermometer except it is designed to carry in the pocket like a pen.



No. 116 Shipping Wt. 2 oz.
No. 116-1, refill Shipping Wt. 1/2 oz.

BAUME HYDROMETER

Test the strength of radiator hot tank cleaning solution. Too much or too little cleaning material is a waste. Readings vary with temperature. Make adjustments to cleaning solution when cold. This is a float only and is all that is needed. Place the float in the solution and take reading. The following table will give the approximate amount of cleaner to use in making a new solution.

Reading of	Lbs. Per Gallon	Reading of	Lbs. Per Gallon
9	.52	13	.88
10	.59	14	1.00
11	.68	15	1.13
12	.78		

No. 117 Shipping Wt. 1 lb.



TORCHES, TIPS, PARTS

NATIONAL RADIATOR TORCHES A versatile torch designed to operate efficiently on any fuel gas, (manufactured, mixed, natural, propane, butane, acetylene, etc.) with oxygen or compressed air. Patented proportional gas mixer allows this wide range of fuels — all that you need do is select the proper tip. Other features include a durable molded handle made of heat resistant "Koolite". Conveniently located thumb adjustments. Torch head rotates safely because of specially designed leak-proof union.

No. 125 consists of torch only no tips Shipping Wt. 10½ oz.

No. 125-S consists of No. 125 torch and one each of tips

Nos. 125-1-1 and 125-1-2 -2 Shipping Wt. 1 lb.

TYPES OF TIPS AVAILABLE:

TYPE N — Gas and Air

TYPE AG — Acetylene and air

TYPE OX — Gas and Oxygen

TYPE AO — Acetylene and Oxygen

Number	Type	For Use With	Avail. Sizes	Shpg. Wt.
125-1	N	Gas & Air	0, 1, 2, 3, 4	1 oz.
125-2	OX	Gas & Oxygen	1, 2, 3, 4, 5	½ oz.
125-3	AG	Acetylene & Air	1,	1 oz.
125-4	AO	Acetylene & Oxygen	1, 2	½ oz.

NOTE: Please order by complete item number and size (example 125-1-2, 125-4-1, etc.)

PARTS FOR NATIONAL TORCHES

Our Number	Mfgs. Number	Parts
125-7-1	329	Elbow nut
125-7-2	330-A	Elbow and venturi tube assembly
125-7-3	331	Elbow nut retaining ring
125-7-4	334-VSG	Valve stem assembly, green
125-7-5	334-VSR	Valve stem assembly, red
125-7-6	335	Green valve wheel
125-7-7	336	Red valve wheel

HOSE SETS — for No. 125 torch

No. 125-9-1 hose set, 6 feet long Shipping Wt. 1 lb.

No. 125-9-2 hose set, 10 feet long Shipping Wt. 1½ lb.

SMITH TORCHES

No. 126 Consists of torch only, no tips Shipping Wt. 6 oz.

Number	Part	Burns	Shpg. Wt.
126-1-0	Adapter		1 oz.
126-1-1	Tip	Acetylene or hydrogen and air	1 oz.
126-2-2	Tip	*Gas and air	1½ oz.
126-2-3	Tip	*Gas and air	2 oz.
126-2-4	Tip	*Gas and air	3½ oz.

*Gas includes natural, manufactured, mixed and petroleum.

SMITH Miniature Welding Torch Welds with incredible precision. Helps maintain excellent heat control while repairing aluminum tubes and a/c condensers. Torch runs on oxygen in combination with acetylene, hydrogen or propane. Torch comes with fuel and oxygen hoses and tip.

No. 126-5 Shipping Wt. 8½ oz.

A.G.F. TORCHES A popular torch, manufactured by the American Gas Furnace Co.

For natural, mixed, manufactured and petroleum gases. Anything between a soft mild and an extremely sharp concentrated flame is obtainable.

Shipping Wt.

No. 128 0-N Torch with tip — 11¼" length 8½ oz.

No. 129 1-N Torch with tip — 14" length 1 lb.

No. 130 2-N Torch with tip — 16" length 2 lb.

No. 128-1 0-N Tip for 128 Torch 1 oz.

No. 128-1-1 #00-N Torch Tip 2½ oz.

No. 128-1-2 #000-N Torch Tip 2½ oz.

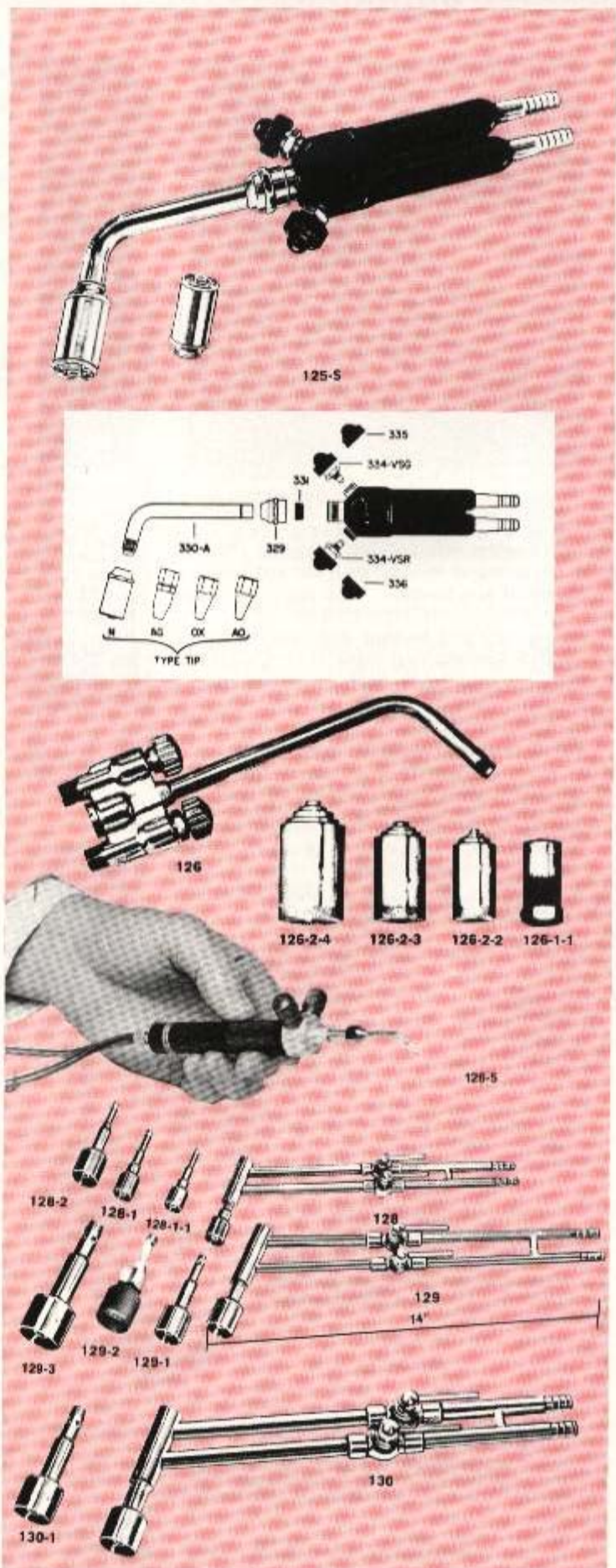
No. 128-2 1-EN Tip for 128 Torch (Same size as 129-1, but fits 128 Torch) 2½ oz.

No. 129-1 1-N Tip for 129 Torch 2½ oz.

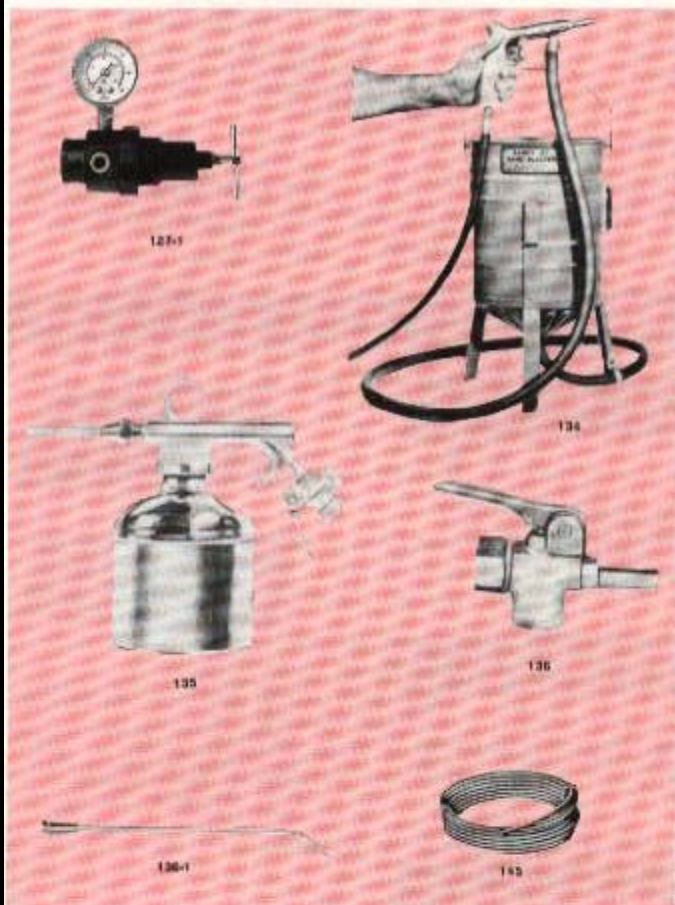
No. 129-2 Hot Tip for 129 Torch 2½ oz.

No. 129-3 Large Tip for 129 Torch 5 oz.

No. 130-1 2-N Tip for 130 Torch ½ lb.



AIR REGULATOR & GAUGE—SANDBLASTERS—AIR GUN—HOSE



AIR REGULATOR & GAUGE Nothing is quite as important to the radiator shop as low pressure air. Here is an air regulator that is accurate, sturdy and as easy to change as the volume control on your television.

Because frequent changes in pressure are necessary for testing, it is better to have a second regulator and gauge for control of torch air.

Gauge range 0 to 60 lbs. Regulator and gauge may be purchased separately.

- No. 127 Air regulator only Shipping Wt. 1 lb. 6 oz.
 No. 127-1 Air regulator and gauge Shipping Wt. 1 lb. 10 oz.
 No. 127-2 Gauge only, 2" diameter, 1/4" male thread Shipping Wt. 4 oz.

SANDBLASTERS

Because it saves cleaning time, sand blasting is used more and more by the radiator service trade.

SANDY JET A heavy duty sand blaster that will hold 12 quarts (60 lbs.) of sand or any abrasive material. The abrasive container measures 17 1/2" high x 9 1/2" diameter. The new pistol-grip blast gun connected to the sand and air hose is the only weight you handle. Standard equipment: 7' hose, hood, face shield, and 2 extra nozzles. Operating air pressure required 40 to 125 P.S.I.

- No. 134 Shipping Wt. 12 1/2 lb.
 No. 134-2 Steel replacement nozzle Shipping Wt. 1 oz.
 No. 134-3 Ceramic replacement nozzle Shipping Wt. 1 oz.
 No. 134-4 Air Jet Replacement Shipping Wt. 1 oz.

STREAMWAY This is a small, economical sand blaster that quickly and easily removes rust, paint and carbon.

Container, 1 qt. capacity, holds 3 lbs. sand or abrasive material.

- No. 135 Sand Blaster Shipping Wt. 2 lb. 2 oz.
 No. 135-1-10 Silica Sand (Shipped in 10 lb. containers) Shipping Wt. 11 lb.
 No. 135-2 Tempered Steel Replacement Nozzle Shipping Wt. 1 1/2 oz.

AIR BLOW GUN Just the thing for blowing water out of radiator fins for quick drying. Handy for cleaning off work benches, equipment and many other chores.

- No. 136 Shipping Wt. 5 1/2 oz.
 No. 136-1, 10" extension nozzle for No. 136 Blow Gun Shipping Wt. 1 1/2 oz.

HOSE-TESTING & TORCH

RED RUBBER HOSE Soft, pliable, red rubber. Contains no fabric or cord, yet very tough. Highly resistant to acids and grease.

Number	Size Hose	Size Overflow	Weight 50 feet
145	3/4" I.D. x 1/2" O.D.	3/16"	5 lbs.

AMBER LATEX The finest made. This hose really wears, easy to slip overflow tube for testing but hard to blow off. Full of life — clings tenaciously.

No. 146-1 made in random lengths of 10' to 50'. No one piece is less than 10' and may be as long as 50'. May be ordered in less than 25' lengths.
 No. 146-2 Length information same as above.

Number	Size Overflow	Size Hose	Weight 50'
146-1	3/16"	3/4" I.D. x 1/2" O.D.	3 1/2 lbs.
146-2	7/16"	3/4" I.D. x 1/2" O.D.	4 lbs. 11 oz.

INDUSTRIAL APPAREL

GLOVES

Industrial Styles neoprene gloves curve to fit fingers. Ideal for those who wear gloves when repairing radiators because they wear well and yet have flexible non-slip grip. Three lengths to choose from. When ordering please designate desired size.

Neoprene Coated Canvas gloves for rough work such as removal of radiators from cleaning tanks. Protects your hands from cuts and burrs. Three lengths, one standard size. Natural rubber No. 158 and rubber coated gloves No. 159, kinkle finished for a superior grip.



Number	Sizes	Length	Weight Doz. Pair
150	10-11	11"	4 1/2 lbs.
151	9-10-11	12"	10 lbs.
152	9-10-11	14"	9 1/2 lbs.
158	Standard	11 1/2"	5 1/2 lbs.
157	Standard	13 1/2"	6 1/2 lbs.
158B "Blue-Grip"	M, L & XL	M-12" L-13" XL-13"	4 lbs.
159 "Grab-it"	Standard	12"	8 lbs.

APRON

HEAVY DUTY industrial apron made of cotton twill heavily coated with Keroseal. Great for keeping your work clothes clean and dry. Protect yourself with this practical apron.

- No. 160-1
 Size 36 x 36 Shipping Wt. 1 lb. 3 oz.
 No. 160-2
 Size 36 x 48 Shipping Wt. 1 lb. 9 oz.

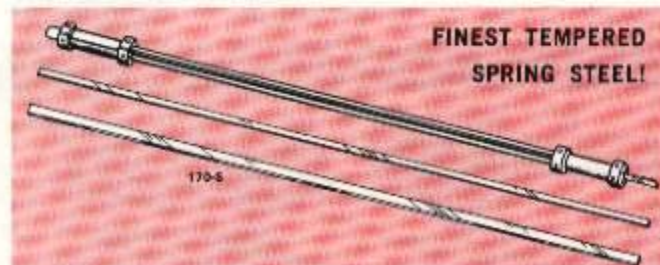


ROD-OUT TOOLS

ROD-MASTER saves blades, time, and your hands. Blades run smoothly between two supporting steel guides which eliminates kinking. Two large aluminum handles — one stationary, the second travels length of the blade. Complete Rod-Master kit includes three blades, 1/4", 3/8" and 1/2". 170-S Shipping Wt. 2 1/4 lbs.

- No. 170-1 1/4" Blade Shipping Wt. 1 oz.
 No. 170-2 3/8" Blade Shipping Wt. 1 1/2 oz.
 No. 170-3 1/2" Blade Shipping Wt. 2 oz.

BARBEE ROD-OUT TOOLS Special high quality spring steel assures maximum service. Purchase by sets or individual sizes.

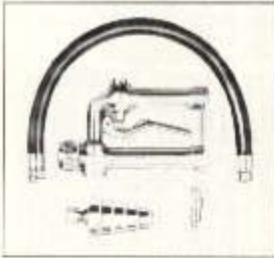


Number	Tool Size	Shpg. Wt./Oz.
174-1-1	3/16" wide x 36" long	1/2
174-1-2	1/8" wide x 36" long	1
174-1-3	3/8" wide x 36" long	1 1/2
174-1-4	1/2" wide x 36" long	2
174-1-SS	Set of 4 tools, 1 each No.'s 174-1-1, 174-1-2, 174-1-3, 174-1-4	5
174-2-1	1/8" wide x 65" long	5
174-2-2	3/16" wide x 65" long	5
174-2-3	1/4" wide x 65" long	5
174-2-SS	Set of 3 tools, 1 each No.'s 174-2-1, 174-2-2, 174-2-3	15
174-5-1	3/16" wide x 42" long	1
174-5-2	1/8" wide x 42" long	1 1/2
174-5-3	3/8" wide x 42" long	2
174-5-4	1/2" wide x 42" long	2 1/2
174-5-SS	Set of 4 tools, 1 each No.'s 174-5-1, 174-5-2, 174-5-3, 174-5-4	6

BARBEE FLUSHING GUN

FOR REVERSE FLUSHING
RADIATORS AND BLOCKS

THE ONLY GUN ON THE MARKET THAT HAS 1/2" AIR FITTING FOR MAXIMUM POWER. ALL ALUMINUM CASTING UNLIKE OTHER FLUSHING GUNS. LIGHTWEIGHT — BUT RUGGED CONSTRUCTION.



No. 175-A includes the gun body, 30" hose, heater cone, and the graduated cone. This cone firmly attaches to the radiator hose by means of regular hose clamp. Fits 1 1/4", 1 3/4" and 2 1/4" radiator hoses.
No. 175-A Shipping Wt. 4 lbs.



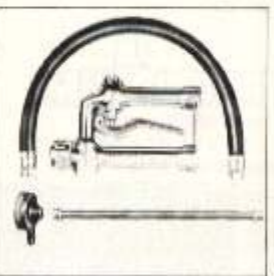
No. 175-B includes the gun body, 30" hose, heater cone, and a graduated self-holding cone. This cone is pushed into the radiator hose and given a turn. The connection is more quickly made, but not as secure. Fits all size radiator hoses from 1"-2".

No. 175-B Shipping Wt. 4 lbs.



No. 175-C includes the gun body, 15 3/4" copper pipe with fittings on both ends, and a 175-2-1 rubber cone. It gives the advantage of being able to shove the rubber cone into the radiator outlet in the flushing process without the need of a permanent attachment.

No. 175-C Shipping Wt. 3 1/4 lbs.



No. 175-D includes the gun body, a 15 3/4" copper pipe with fittings on both ends, and 175-1-1 step on fitting. Hold the fitting in the outlet with your foot while flushing without the need of a permanent attachment.

No. 175-D Shipping Wt. 4 lbs.



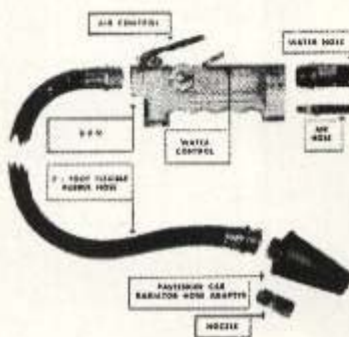
No. 175-B

This versatile, effective, reverse flushing gun is ideal for back-flushing, washing off radiators, cleaning motor blocks, or washing cars. Heater cone included. Radiator cone will fit directly onto gun body as well as hose extension. All models feature 1/2" air fitting and much larger air chamber inside the gun body to give that extra power when needed.

We recommend that in order to get full value of the 1/2" air fitting that the gun be hooked up with 1/2" high pressure air hose. If not available use 1/4" high pressure air hose by means of a standard adapter. Air and water valves can be cleaned or replaced in minutes. All standard connections.

REVERSE FLUSHING GUNS PARTS

	Shipping Wt.
175-1-1 Step-On Fitting Only (as in 175-D)	2 lbs.
175-2-1 Rubber Cone Only (as in 175-C)	1/2 lb.
175-2-2 Rubber Cone w/Adapter (Fits 175, 176)	3/4 lb.



ZOO FLUSH GUN KIT

Easy to use for backflushing on or off the car. A sturdy, light, easily attached aluminum and brass gun with bronze pressure springs and centerless ground valves that give years of service. Attaches to existing water and air lines easily. Self holding screw type adapter fits all sizes of radiator hose from 1" to 2".
No. 176 Shpg. Wt. 4 3/4 lbs.



RADIATOR CAP PLIERS

This handy tool is the hands-off solution to radiator cap removal. Simply clamp, press down, rotate to safely release pressure and remove cap.
No. 177 Shipping Wt. 12 oz.

ANDERLE RADIATOR TAB PULLER & CRIMPER

For plastic tank radiators (2 in 1 tool) has one decrimper and two crimping tips built in. Manufactured of die cast aluminum and tempered steel. Fast and efficient.
No. 179 Shipping Wt. 2 lbs.

CLAMP Ideal for large or small radiators. Maximum spread 24". Minimum spread 10". Made to clear filler-neck. Heavy steel casting construction. Screw rod and bronze bushing easily replaced.
 No. 180-1 Shipping Wt. 5 lbs.

PUNCH Quickly notches radiator sides, made of heavy duty steel casting with heat treated cutting edges for maximum wear. Simply insert anchorage into jaw ... easily notches steel with little physical effort.
 No. 180-2 Shipping Wt. 4 lbs.
 No. 180-S Set. Both clamp and punch Shipping Wt. 8 lbs., 10 oz.

FLANGE REMOVAL TOOL Designed to allow you to make the flange flat inside the fitting and hasten removal once the solder has been cleared away. Works equally well on round or oval shaped fittings.
 No. 181 Shipping Wt. 5 oz.

HEADER CLAMP Hold top tanks firmly to headers while soldering with a set of two Barbee Header Clamps. These rugged clamps close any space between the tank and the header for a stronger bond with less solder. Barbee's Header Clamps are nickel plated for long lasting use.
 No. 182 Shipping Wt. 2 lbs.

BULL DOG RADIATOR CLAMPS Fast action — instantly adjustable sliding jaw locks in any position on bar, holding anchorages snugly in position for soldering to tanks. Final adjustment made quickly by closing cam action handle. Excellent for assembly of tank to core. Maximum opening 36". Replacement jaws available.
 No. 183 36" Opening Shipping Wt. 5 1/4 lbs.
 No. 183-1 Stationary Jaw for Bull Dog Clamp Shipping Wt. 1/2 lb.
 No. 183-2 Adjustable Jaw for Bull Dog Clamp Shipping Wt. 1/2 lb.

CHAMPION RADIATOR EXTENSION CLAMP Whatever other type clamp you have, you need the rugged CHAMPION for those extra tough jobs. Excellent for joining slightly warped bottom or top tanks to core for soldering. Where extreme pressure is needed, CHAMPION will do the job. Maximum opening between jaws 36". Jaws 6" long. It is suggested that on larger jobs 2 clamps should be used to assure positive positioning.
 No. 184 Champion Radiator Extension Clamp Shipping Wt. 8 lbs.

MAYO UNIVERSAL HEADER CLAMPS Designed to hold top tank firmly while soldering. Higher pressure systems on today's radiators make it a must that the tank is held firmly against the header while being soldered. A set of two MAYO clamps, one on either end of the top tank, closes any space between the tank and the header. You use less solder — but make a stronger bond. Rugged construction. Steel with manganese bronze hinged casting to prevent "freezing".
 No. 185 Single Clamp Shipping Wt. 2 lbs.
 Set of 2 Clamps Shipping Wt. 4 lbs.
 6 Clamps Shipping Wt. 12 lbs.

No. 186 AL'S HEADER CLAMP
 1 Clamp 3 Lbs. 2 Clamps 6 Lbs. 6 Clamps 18 Lbs.

INSPECTION LIGHT Once used you will wonder how you ever got along without it. Just the thing for looking down the filler-neck of radiators to see if the core is stopped up or inspecting inside gas tanks. Locate cooling system leaks such as hose, drain cocks, cracked blocks, water pumps, gaskets and freeze plugs. Molded plastic case, plated metal parts. 13" neck bends to any angle. Overall length 20". Use two standard batteries, not furnished.
 No. 187 Shipping Wt. 1 lb.

4-IN-1 ROUNDERS

You can quickly restore roundness to radiator and heater fittings with three handy tools.

EXTRA LARGE—188-0
 Fitting Sizes: 1 3/4" to 2 1/2"
 Heater Sizes: 5/8" and 3/4"
 Shipping Weight: 5 lbs.

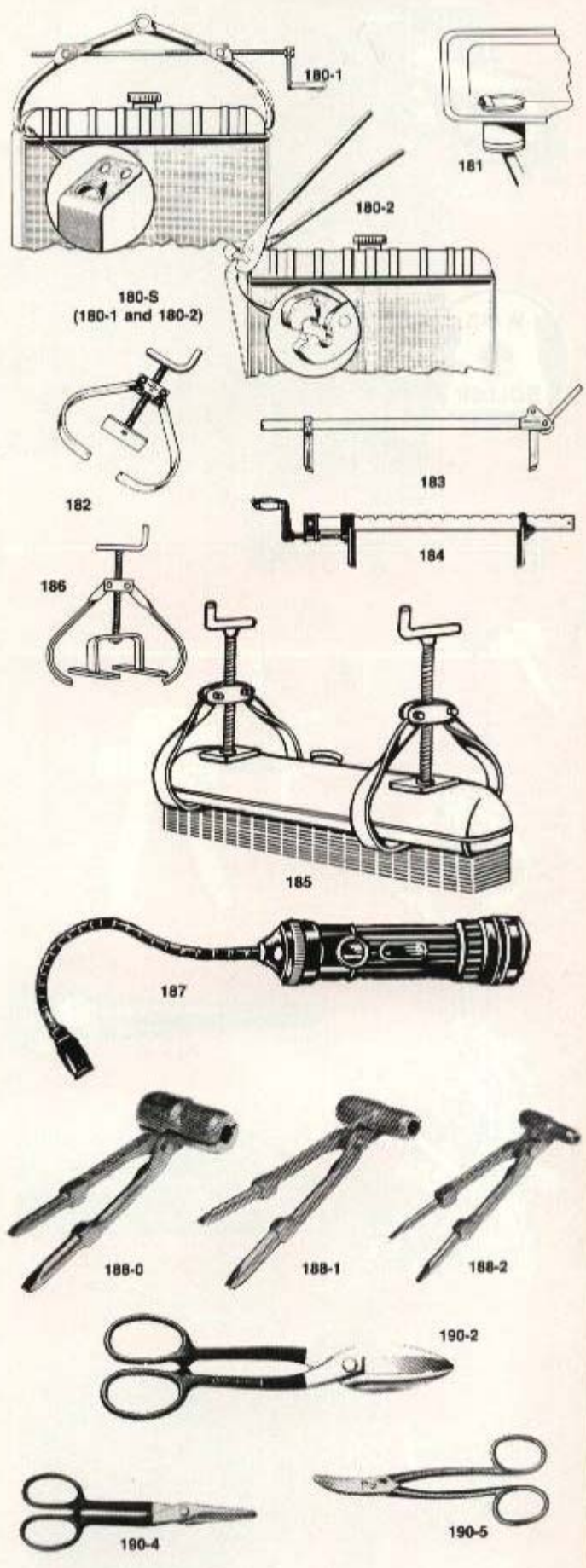
SMALL—188-2
 Fitting Sizes: 3/8" to 1 1/8"
 Heater Sizes: 1/2" and 5/8"
 Shipping Weight: 2 lb. 8 oz.

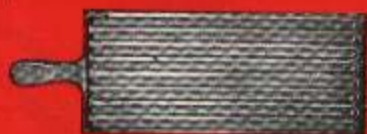
LARGE—188-1
 Fitting Sizes: 1 1/8" to 1 7/8"
 Heater Sizes: 5/8" and 3/4"
 Shipping Weight: 2 lb. 13 oz.

ENTIRE SET—Order 188-SS
 Set of one each: 188-0, 188-1, 188-2
 Shipping Weight: 10 lb. 3 oz.

QUALITY TIN SNIPS TO FIT THE REPAIR JOB

Number	Item	Length	Jaw	Weight
190-2	Straight Cut	12 1/2"	3"	1 1/2 lb.
190-3	Straight Cut	8"	2"	1/2 lb.
190-4	Combination Snips	7"	1 1/2"	1/2 lb.
190-5	Core Snips	6 7/8"	1 1/2"	2 1/2 oz.





194-1
194-A
194-FL

192

193

195-1

195-2

195-3

201

195

#200
CRIMP
CLAMP

#200
CRIMP
CLAMP

211-1

215

219

219-1

BENCH FURNACE Equipped with two powerful bunsen burners, each with shut off valve and pilot light. Designed to heat soldering coppers up to 12 lbs. Firebrick lined base. Shelf in rear of firebox forms resting place for soldering coppers and protects the points. Curved hood forces return blast over top of soldering coppers. Length 14". Firepot opening 4½" x 3". Gas consumption 13,000 B.T.U.'s per hour per burner.

No. 191 Shipping Wt. 20½ lbs.

SOLDERING COPPERS 4 pound soldering coppers. The right type and weight for radiator work.

No. 192 Shipping Wt. 4 lbs.

HANDLES FOR SOLDERING COPPERS Modern design makes use of steel ring insert, yet no metal comes in contact with hand. Long lasting. Turned from selected materials. A quality product.

No. 193 Shipping Wt. 2 oz. each

SOLDER A dependable source of supply—dependable as to quality, grade, and price.

We do not include solder in our price list because it is subject to frequent price changes. Your request for quotation is invited.

No. 194-1 Solid Wire 25 lb. Spool

No. 194-A Acid core 25 lb. Spool

No. 194-L Flozon 25 lb. Spool

PLIERS—NEEDLE NOSE AND DUCK BILL

Number	Item	Length	Jaw	Weight
195-1	Needle Nose	6"	2½/₃₂	5 oz.
195-2	Needle Nose	7"	2¼	5½ oz.
195-3	Duck Bill	6"	2¼	5 oz.

THE CHAMP CLAMP A very viable alternative method of securing the anchorage straps.

A surer and more positive force can be applied because of the stainless steel screw and brass nut arrangement.

No more hammering the cam-action jaw into place.

Stainless steel, acme screw. Brass nut. Positive grip—will not slip loose like cam-action clamp. MORE JAW TRAVEL (4 INCHES). Quick, easy disassembly for all parts, when replacement is needed. Nylon guide on fixed jaw.

No. 196 Shipping Wt. 5½ lbs.

CRIMP CLAMP Especially designed to hold plastic tanks to headers in proper position while bending metal tabs back in place.

These Crimp Clamps apply pressure over a wider area than any other type. They compress the O-Ring Gasket uniformly for perfect seal.

Neoprene Pads prevent clamp-down plate from slipping or marring of plastic tank.

All metal parts of Barbee Crimp Clamp are bright zinc plated for long lasting use. Barbee Crimp Clamp is recommended by one of the big three U.S. Automakers.

No. 200 Shipping Wt. 2 lbs.

E-Z CLAMP REMOVER Removes bottom hose clamps with just a twist of the wrist.

No. 201-1 5/16" Shipping Wt. 8 oz.

No. 201-2 10mm Shipping Wt. 8 oz.

No. 201-3 3/8" Shipping Wt. 8 oz.

No. 201-4 1/4" Shipping Wt. 8 oz.

No. 201-SS Set of 4, 1 each 201-1, 201-2, 201-3, 201-4 Shipping Wt. 2 lbs.

BURNER The No. 211-1 burner is complete with valve and mixing chamber. The entire unit is 36" long and has a B.T.U. rating of 31,000. Multiple units can be used as necessary. Please specify whether natural or bottled gas will be used in the operation of this unit.

(To raise 100 gallons of water 200° F. in 1 hour requires 124,000 B.T.U.)

No. 211-1 Shipping Wt. 8¼ lbs.

SOLDER MOLD

Aluminum casting with 8 cavities.

Length 15". Width 5½".

Each cavity molds a half round bar 11¼" x 7/16".

No. 215 Shipping Wt. ¾ lb.

PAINT SPRAY GUN Better for spraying radiators than high priced guns because it does an excellent job and requires very little maintenance. Equipped with needle valve that regulates paint quality. Paint is fed from any container through a flexible metal hose.

This saves time compared to frequent filling of small containers attached to sprayer. Also it is much lighter and easier to handle. The air control valve can be detached instantly and gives you an air blow gun for other jobs around the ship. Length 15". Length of flexible hose 6 ft.

No. 219 Shipping Wt. 1 lb., 10 oz.

No. 219-1 Replacement Hose Shipping Wt. 1 lb.

ACID JARS Plastic container for soldering flux, acid or any corrosive material. 4 3/4" diameter x 4" high. 32 oz. size.

No. 220-2 Shipping Wt. 3 oz.

DISPENSER—Plastic squirt bottle for soldering flux and acid. 2 1/2" diameter x 7 1/4" high. 12 oz. size.

No. 221 Shipping Wt. 1 1/2 oz.

HAND RIVETER All steel, easy loading Pop Rivet Gun. Automatic mandrel release, replaceable dual gripping jaws. Extra nose piece for aluminum rivets included.

No. 226 Shipping Wt. 1 lb. 3 oz.

POP RIVETS (Non-Explosive, Brass)

Number	Rivet Size Diameter	Nominal Grip	Grip Range		Drill Size
			Min.	Max.	
226-1	3/8"	3/8"	.065"	.125"	30
226-2	1/8"	1/4"	.188"	.250"	30

A very practical, efficient, economical rivet. Priced in 100 and 500 lots. May be assorted.

No. 226-1 Weight per 100—Shipping Wt. 5 oz.

No. 226-2 Weight per 100—Shipping Wt. 5 oz.

HOSE CUTTER A tough reliable tool which will readily and evenly cut radiator and heater hoses, plastic hose, garden hose, certain types of wire, etc. Many other uses.

No. 227 Shipping Wt. 12 oz.

No. 227-1 Replacement blades for 227

Hose cutter, 2 per pack Shipping Wt. 2 oz.

GASKET KIT

A real lifesaver when that preformed gasket cannot be found. Kit includes:

100' of 139" diameter round gasket material

50' of 126" diameter round gasket material

50' of 1/4" x 1/16" flat gasket material

Cutter with 4 replacement blades

Gasket glue

Handy plastic box container with simple step-by-step instructions

No. 229 Shipping Wt. 2 lb.

AIRLESS PLASTIC WELDER that really works. Welds plastic radiator tanks and all types of automotive plastics, continuous weld tip and color coded temperature control make for professional looking repairs every time. 30' of Polyurethane, Polypropylene, ABS, Polyethylene, Nylon rod material included in each kit.

No. 232 Shipping Wt. 4 lb. 2 oz.

No. 232-1 30' nylon rod for PTR tanks Shipping Wt. 2 oz.

TUBE REINFORCEMENTS Formed wire reinforcement that straddles radiator tube and is soldered to both tube and header for additional strength. Shipped 100 per pkg.

No. 240-1, 1/2" Shipping Wt. per 100, 4 oz.

No. 240-2, 3/4" Shipping Wt. per 100, 5 1/2 oz.

RATOBAR — A Tool For Removing Radiator Hoses. Hoses fastened with spring clamps can be forced off in seconds without removing clamps.

The usually difficult and time consuming job of removing the lower radiator hose is now made an easy and time saving operation when done the new way with "Ratobar". The method of doing it is amazingly simple and absolutely safe to the user and radiator. The time and labor saved on only a few jobs, will pay for the Tool.

No. 245 Shipping Wt. 3 1/2 lbs.

VIBRO-GRAVER Marking each radiator as it comes in is good protection against mix-ups and unjust claims. This is usually done by number, date, and customer's name.

Puts permanent identification marks on tools, steel, cast iron, and other hard surfaces.

VIBRO-GRAVER comes equipped with Tantalum carbide point. Diamond point available.

No. 251 Length 5 1/2" Shipping Wt. 1 1/4 lbs.

No. 251-1 Tantalum point only Shipping Wt. 1 oz.

No. 251-2 Diamond point only Shipping Wt. 1 oz.

ACID PUMP The safe easy way to draw acid from carboy. Avoid waste and danger. Press bulb and acid is forced out through pump. Press relief valve and flow stops instantly.

No. 253 Shipping Wt. 3 lbs.

ICE PICKS Handy to have around the shop.

Overall length 9". A steel blade 4 1/2". Wood handle with nickel plated ferrule 4 1/2".

No. 254 Shipped in 1 dozen lots Shipping Wt. 1 lb.



THE BARBEE CO.

Your Single Source For...

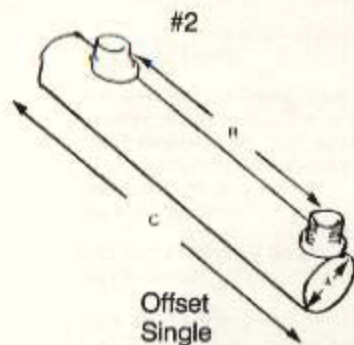
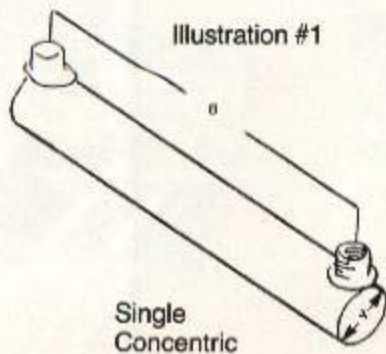
OIL COOLERS

**CONCENTRIC
IN-TANK PLATE COOLERS**

**CUMMINS
FARM AND INDUSTRIAL**

**AMERICAN MOTORS
CHRYSLER**

**Passenger Car
Application Guide**



SIZE (IN INCHES)			I.D.	FITTINGS	O.D.	PART NUMBER
DIAMETER	LENGTH					
A	B	C				

AMERICAN MOTORS

1	6		1/8-27 NPTF		9/16-18 UNF	263-1
1	6		1/4-18 NPTF		3/4-16 UNF	263-9
1 1/2	6		1/4-18 NPTF		3/4-16 UNF	263-8

CHRYSLER

1	10		1/8-27 NPTF		9/16-18 UNF	263-4
1 1/4	8		3/8-HOSE BARB		1/2-13 UNC	263-45
1 1/4	10		1/8-27 NPTF		9/16-18 UNF	263-11
1 1/4	12		1/8-27 NPTF		9/16-18 UNF	263-6
1 1/4	15		1/8-27 NPTF		9/16-18 UNF	263-20
1 1/2	10		1/8-27 NPTF		9/16-18 UNF	263-26
1 1/2	12		1/8-27 NPTF		9/16-18 UNF	263-27
1 1/2	14.40		1/8-27 NPTF		9/16-18 UNF	263-35

Passenger Car Application Guide

**FORD
GENERAL MOTORS**

SIZE (IN INCHES) DIAMETER LENGTH			I.D.	FITTINGS	O.D.	PART NUMBER
A	B	C				
FORD						
1	8			1/8-27 NPTF	9/16-18 UNF	263-10
1	8	(ESCORT) PLASTIC TANK		1/8-27 NPTF	9/16-18 UNF	263-43
1	8			1/4-18 NPTF	3/4-16 UNF	263-15
1	8	PLASTIC TANK		1/4-18 NPTF	3/4-16 UNF	263-38
1	10			1/4-18 NPTF	3/4-16 UNF	263-5
1 1/4	6			1/8-27 NPTF	9/16-18 UNF	263-2
1 1/4	8			1/8-27 NPTF	9/16-18 UNF	263-7
1 1/4	12			1/4-18 NPTF	3/4-16 UNF	263-13
1 1/2	6			1/8-27 NPTF	9/16-18 UNF	263-21
1 1/2	8			1/8-27 NPTF	9/16-18 UNF	263-23
1 1/2	8			1/4-18 NPTF	3/4-16 UNF	263-22
1 1/2	12			1/4-18 NPTF	3/4-16 UNF	263-28
1 3/4	6			1/8-27 NPTF	9/16-18 UNF	263-39
1 3/4	8			1/8-27 NPTF	9/16-18 UNF	263-37
1 3/4	8			1/4-18 NPTF	3/4-16 UNF	263-42
* 1 3/4	8	10		1/4-18 NPTF	3/4-16 UNF	263-41
1 3/4	10			1/4-18 NPTF	3/4-16 UNF	263-36
1 3/4	12			3/8-18 NPTF	M22-1.5	263-40
1 3/4	12			1/4-18 NPTF	3/4-16 UNF	263-32
GENERAL MOTORS						
1	11 1/2			5/16-INV	3/4-16 UNF	263-33
1	12 1/2			1/4-18 NPTF	3/4-16 UNF	263-18
1	12 1/2			5/16-INV	3/4-16 UNF	263-16
1	12 1/2			3/8-INV	7/8-14 UNF	263-17
1 1/4	11 1/2			1/2-20 NPTF	M22-2.5	263-44
1 1/4	11 1/2			5/16-INV	3/4-16 UNF	263-34
1 1/2	8 1/2			3/8-INV	7/8-14 UNF	263-24
1 1/2	8 1/2			5/16-INV	3/4-16 UNF	263-25
1 1/2	12 1/2			5/16-INV	3/4-16 UNF	263-29
1 1/2	12 1/2			3/8-INV	7/8-14 UNF	263-30

* See illustration on previous page

Passenger Car Application Guide

TOYOTA

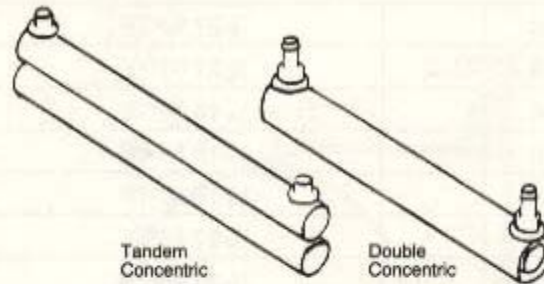
SIZE (IN INCHES) DIAMETER LENGTH			I.D.	FITTINGS	O.D.	PART NUMBER
A	B	C				
TOYOTA						
1	10.79		1/4-T		1/8-NPTF	263-31

Bulk Palnuts

FITTING TYPE	PALNUT PART NO.
1/4-NPTF	263-2288
1/8-NPTF	263-2199
3/8-NPTF	263-2175

NOTE: FOR PART NUMBER 263-43 (ESCORT)
ONLY USE THE FOLLOWING HARDWARE

DESCRIPTION	PART NUMBER
Hex Nut	263-43HN
Washer	263-43W
Necprene Washer	263-43NW



CALL FOR AVAILABILITY ON HARDWARE FOR M22-1.5 & M22-2.5

* See illustration on previous page.

Farm And Industrial Applications

APPLICATION	DESCRIPTION	SIZE (IN INCHES)	FITTINGS		PART NUMBER
			I.D.	O.D.	
Caterpillar Lift Truck	Tandem	1 1/2 x 10	1/2-14	1 1/16-12	263-46
		1 1/2 x 10	NPTF	UN	
	Double	2 1/4 x 10	1/2-14	1 1/16-12	263-47
		1 1/4 x 10	NPTF	UNF	
Clark Lift Truck	Tandem	1 1/4 x 12	3/8-18	7/8-14	263-48
		1 x 12	NPTF	UNF	
Ford Tractor	Single	1 1/2 x 10		7/8-14	263-49

In-Tank Coolers

BARBEE PART #	REF. #	MODEL #	PLATE WIDTH	FITTING CENTERS	NO. OF PLATES	FITTING SIZE
263-6462	3050415	TC-038	1.73	11.50	3	1/2-20 UNF
263-6463	3056914	TC-159	1.73	11.50	4	1/2-20 UNF
263-6464	3031430	TC-103	2.50	8.50	3	1/2-20 UNF
263-6465	3053652	TC-058	2.50	8.50	4	3/4-18 NS
263-6466	3037209	TC-106	2.50	8.50	5	1/2-20 UNF

In-Tank Coolers

BARBEE PART #	REF. #	MODEL #	PLATE WIDTH	FITTINGS CENTERS	NO. OF PLATES	FITTING SIZE
263-6467	3049601	TC-41	1.73	11.50	1	1/2-20 UNF
263-6473	3050438	TC-44	1.73	11.50	2	1/2-20 UNF
263-6474	3055008	TC-59	1.73	11.50	3	1/2-20 UNF
263-6475	3050448	TC-052	1.73	11.50	3	M20 X 1.5
263-6476	3090001	TC-172	1.73	11.50	4	M20 X 1.5
263-6477	8528934	TC-491	1.73	12.50	3	3/8-18 NPT
263-6478	3151324	TC-450	1.73	12.50	4	3/8-18 NPT
263-6479	3153854	TC-454	1.73	12.50	5	3/8-18 NPT
263-6480	8527985	TC-496	2.25	16	4	3/4-14 NPT
263-6468	3005067	TC-467	2.25	16	6	3/4-14 NPT
263-6469	8529177	TC-492	2.25	16	12	3/4-14 NPT
263-6470	3002414	TC-414	3	18	7	3/4-14 NPT
263-6471	3004765	TC-465	3	18	10	3/4-14 NPT
263-6472	3005066	TC-466	3	18	14	3/4-14 NPT

ABBREVIATIONS:

NPTF – National Pipe Thread Fine
UNF – Universal National Fine

UNC – Universal National Course
Hose Barb – Barb for hose
INV – Inverted Flare

T – Tube
M – Metric System
NS – National Standard

CUMMINS

ENGINE OIL COOLER SPECIFICATIONS AND APPLICATIONS

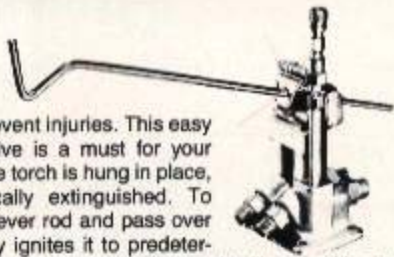
BARBEE PART NUMBER	REFERENCE NUMBER	ENGINE APPLICATION			CONFIGURATION
263-2676	110848 Most 5 1/8" Bore Engines	NH220 NTO262 NHCT270 NH230	NHS275 NHRS300	V378 V504 V8 210 Small Cam	4" Removable Tube Bundle
263-2709	142608 Industrial FFC Non FFC NT 5 1/2"	NTC335 Non FFC (Certain NT855 Industrial Models FFC Version - Identify Old Element)	NTA370 NTA420 Non FFC		15.01" x 5" Removable Tube Bundle 172 Tubes 1/4"
263-2708	186348	V903 VT903			13.65" x 5" Removable Tube Bundle 186 Tubes 1/4"
263-6309	3018692	Big Cam III and IV All Models NTC 855			Removable Tube Bundle
263-6263	3021581 (Old number 208149) Automotive FFC NH, NT 5 1/2"	NTC230 NTC230F NTCC230 NTC300 NTC300F FFC	NTC250 NTC230F NTCC250 NTC350F NTCC350 FFC	NTC290 NTC290F NTCC290 NTC400 NTC400F NTCC400 FFC	11.71" x 5" Removable Tube Bundle 156 Tubes 1/4"

Note: Certain oil coolers fit several engines. Refer to model and configuration to insure proper application. This application guide is for reference only. Please consult your parts manual to identify the proper engine part number for a specific engine. This information should be used in conjunction with applicable engine shop manuals, operation and maintenance manuals and distributor bulletins provided by the original engine manufacturer.

GASAVER

Save gas and time — prevent injuries. This easy to install gas cut-off valve is a must for your soldering torch. When the torch is hung in place, the flame is automatically extinguished. To relight — pick torch off lever rod and pass over pilot light which instantly ignites it to predetermined flame. Speeds up your production. This unit will work with natural or bottled gas. Gasavers for other heat sources available on special order.

No. 264 Shipping Wt. 3½ lbs.



GASAVER MOUNTING

Mounting kit for easy installation of your Gasaver on any test tank with top flange.

No. 264-1 Shipping Wt. 8 lbs.

No. 264-2 Pilot Light .. Shipping Wt. 1 oz.



COOLING SYSTEM TESTER AND ADAPTERS

COOLING SYSTEM TESTER

This super salesman for radiator repairmen locates leaks in automotive pressurized cooling systems. Test pressure caps, hoses, and clamps. Helps you sell needed parts easier. This testing instrument is accurate and has an easy-to-read gauge. Complete instruction manual gives step-by-step procedure. Included is adapter to test 2¼" x 1" and 2¼" x ¾" pressure caps.

No. 265-1 Shipping Wt. 3 lbs.



Truck Adapter Kit

This adapter will fit popular truck size filler necks and pressure caps. Includes pressure cap adapter, filler-neck adapter and rubber filler-neck plug.

No. 265-1-1 Weight 1½ lb.



Toyota adapter is required to fit all small-diameter (32mm) cooling system filler neck applications, including later model Toyota, Subaru and Mitsubishi cars and Honda motorcycles with water-cooled systems.

No. 265-3-1 ... Weight 1 lb. 3 oz.

Threaded adapter is required to fit late model Audi, Porsche and Volkswagen cooling systems with threaded filler necks.

No. 265-2-1 Weight 5 oz.



Toyota cap adapter is required to test small diameter (32mm) radiator caps as used on many late model Toyota, Subaru and Mitsubishi cars and Honda motorcycles with water-cooled systems.

No. 265-3-2 Weight 3 oz.

Threaded adapter is required to test late model Audi, Porsche and Volkswagen threaded radiator caps. (Must be used with 265-2-1).

No. 265-2-2 Weight 3 oz.



Kit includes rubber gasket and the "B" size filler neck adapter from the truck adapter kit. This is the complete separate kit for testing late model GM X-cars with the 2.5L engine and J-cars with the 1.8L engine.

No. 265-4-1 Weight 2 lb.

Threaded adapter is required to fit late model Volvo, SAAB 900 and most late model Renault cooling systems with threaded filler necks.

No. 265-5-1 Weight 14 oz.



Threaded adapter is required to fit late model BMW cooling systems with threaded filler necks.

No. 265-6-1 ... Weight 1 lb. 2 oz.

WAEKON

The WAEKON Cooling System Analyzer

Finally no more guessing when trouble-shooting automotive cooling systems.

- Check exact temperature of cooling system under pressure using **Temperature Probe**.
- Pressurize cooling system by hooking up your shop air to the **Pressure Probe** (dial in pressure), no more hand pumping.
- Fits all radiators using standard adapters.
- Find difficult and intermittent leaks.
- Diagnose cylinder head problems without costly guesswork.

No. 267 . . . Weight 3 lbs.



267

AIR FILTER

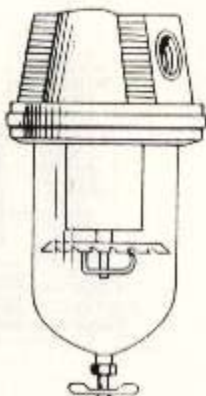
We highly recommend that a 266 Air Filter be installed with each piece of air-hydraulic equipment installed.

Nearly 100% of your control valve leaks are prevented by using this filter. It also prevents moisture accumulation in oil reservoir, adding to the life of your equipment, and less shut-down time for repairs.

Easily installed in air lines, a filter eliminates impurities and gives a steady flow of clean air.

No. 266 Shipping Weight 1 lb., 9 oz.

No. 266-1 Replacement Bowl (Metal) Shipping Weight 8 oz.



READY RACK

EASILY ATTACHES TO THE FRONT OF YOUR TANK.

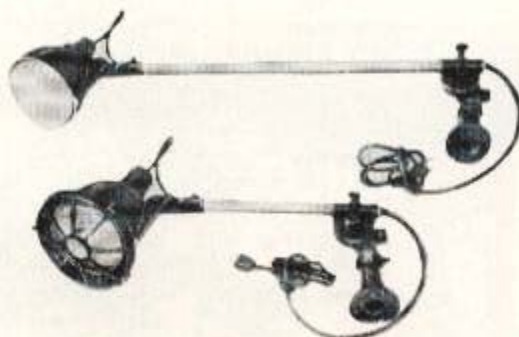
FOLDS OUT OF THE WAY WHEN NOT IN USE.

WORKING PLATFORM SWINGS OUT AND CAN BE RAISED TO 3 POSITIONS.

No. 289 Shipping Wt. 25 lbs. 8 oz.



LIGHT



Radiator work requires good light. These are good lights. Universal base for convenient mounting. Perfect for attaching to Flex-Lift and Roto-Lift.

No. 320-1 open reflector Shipping Wt. 7¼ lbs.

No. 320-2 sealed beam reflector Shipping Wt. 10½ lbs.
8' extension cord. Molded plug. Overall length 29".

COOLING SYSTEM TEST EQUIPMENT

BLOC-CHEK COMBUSTION LEAK TESTER You can locate blown gaskets, cracked heads, or cracked blocks quickly as test fluid changes color when leak is found.

Protect that radiator job. Be sure there are no internal motor leaks.

With motor idling, place the BLOC-CHEK in radiator filler neck. This closes off the overflow tube. Use rubber syringe as directed to pull air from radiator through liquid. If combustion gas is leaking into the cooling system, the test fluid changes from blue to yellow.

You will profit by using the BLOC-CHEK because it is positive in results, takes very little time, and your customers are impressed by the thoroughness of your service.

Demonstration of the BLOC-CHEK is very interesting. Test fluid is used several times. Returns to original color when pure air is introduced by means of bulb.

No. 325 Universal Block Tester. Shipped in non-breakable kit. Shipping Wt. 2½ lbs.

No. 325-12 test fluid supplied in 16 oz. polythylene bottles Shipping Wt. 1 lb. 2 oz.

No. 325-2 large engine adaptor plate. Will fit 325 and 326 Shipping Wt. 5½ oz.

No. 326 Mr. Gasket Bloc-check. Shipping Wt. 2½ lbs.

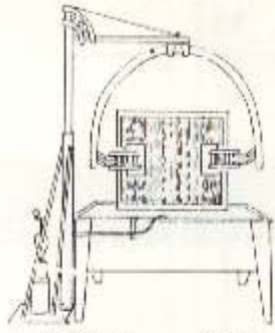


No. 326

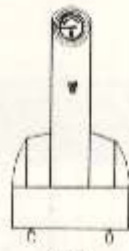
BARBEE RADIATOR REPAIR GROUPS FOR STARTING A SHOP

FOR LARGE, HEAVY RADIATORS — GROUP A

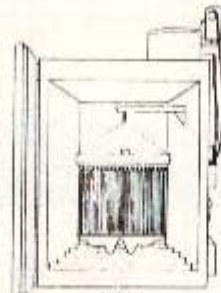
Work Space 36' L x 8' D — Handles radiators up to 1,000 lbs.



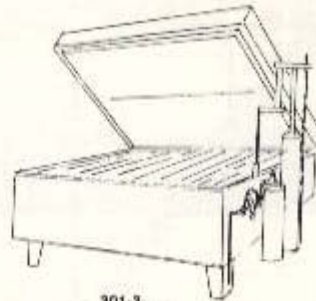
282-HD-55"
FLEX-LIFT



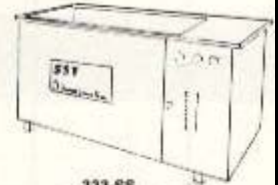
295-3
TEST TANK



310-2
FLUSH-SPRAY
BOOTH



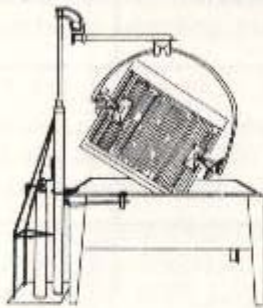
301-3
TURBOTANK



333-SS
ULTRASONIC
CLEANER

FOR MEDIUM TO LARGE RADIATORS — GROUP B

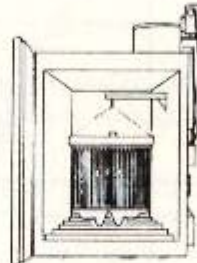
Work Space 26' x 8' — Handles radiators up to 400 lbs.



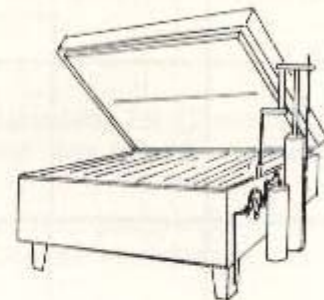
281-55"
FLEX LIFT



295-3
TEST TANK



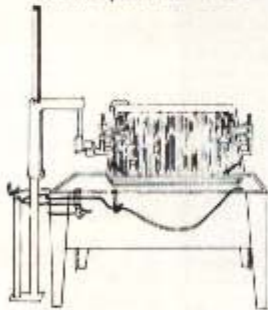
310-S
FLUSH-SPRAY
BOOTH



301-3
TURBOTANK

FOR SMALL TO MEDIUM RADIATORS — GROUP C

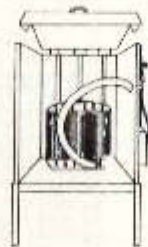
Work Space 22' x 8' — Handles radiators up to 250 lbs.



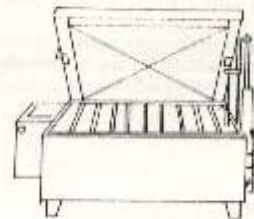
285-A
ROTO-LIFT



295-2
TEST TANK



305
RATE-O-FLO



310
FLUSH-SPRAY
BOOTH

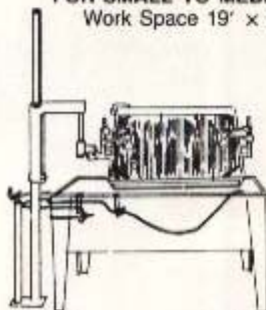


301-2
TURBOTANK

321
TANKMASTER, JR.

FOR SMALL TO MEDIUM RADIATORS — GROUP D

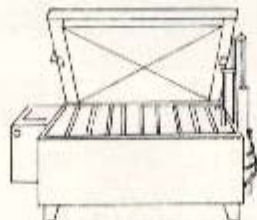
Work Space 19' x 8' — Handles radiators up to 250 lbs.



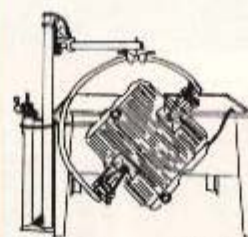
285-A
ROTO-LIFT



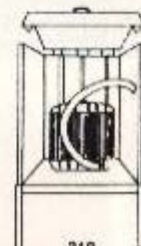
295-2
TEST TANK



310
FLUSH-SPRAY
BOOTH



301-2
TURBOTANK



280-35"
FLEX-LIFT



295-1
TEST TANK

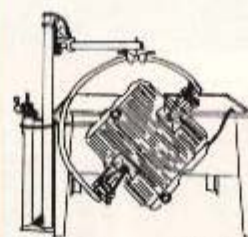


310
FLUSH-SPRAY
BOOTH

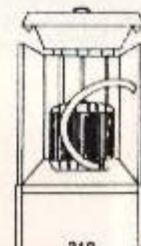
303-1
PURGEMASTER

FOR SMALL TO MEDIUM RADIATORS — GROUP E

Work space 14' x 8' — Handles radiators up to 200 lbs.



280-35"
FLEX-LIFT



295-1
TEST TANK



310
FLUSH-SPRAY
BOOTH

303-1
PURGEMASTER

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