ROSS CHEMICALS & COMPOUNDS

CHEMICAL COMPOUNDS. TOOLS AND UTILITY

Mit

UFACTURING CO. - KANSAS CITE IN

CLOGOE

POISON

The Legendary 1Aite Granulated Drain Cleaner

Danger—Contains Caustic Soda! This product is produced solely for use by professional plumbing contractors and specifically should not be used by unqualified consumers.

Those who resell these products should be covered by their OWN product liability insurance.

Possi ROSS MANUFACTURING CO. ROJAN

There is nothing like it! Rossite goes further and cleans drains better. Will not crystallize.

Rossite is made from an exclusive and PATENTED formula that has been developed for the particular use of the plumbing trade. Plumbers prefer it because **Rossite** boils its way through obstinate stoppages with a Rapid Triple Action that does twice the work in half the time...and without disagreeable odors.

Scientific tests prove that Rossite is better!

Tests prove **Rossite** is the only product on the market that will, when activated, maintain a temperature of **200° or more**—for over 12 minutes! This is the real secret to **ROSSITE's** success.

Rossite is poured directly into the drain. Followed by a little water, it will open and clear stoppages caused by hair, lint, vegetable matter, grease, etc. Also very effective for thawing frozen drains, stacks and flush tanks. Will not harm enamelware, pipes and connectors.

Do not use in disposers or on aluminum. Always flush with cold water.



The sure way to eliminate

SCALE, LIME, RUST, SODIUM, MAGNESIUM, CALCIUM, URINARY SALTS, CONCRETE, PLASTER, or other water-bearing solids. DESTROYS ODORS.

STRIP, with RODINE 213, does not affect metals (except aluminum) and is harmless to vitreousware, pipes, and connections. Chrome plate and nickel WILL tarnish if not rinsed off immediately.

STRIP can be used full strength or diluted, depending on the cleaning application and the amount of deposit to be removed.

For Urinals and Toilet Bowls: Remove standing water. Pour about 12 ounces of STRIP into bowl and allow to stand 10 to 15 minutes. If stains and urinary deposits are also on the sides and under the flush rim, use a small hand mop or a rag wrapped around a toilet brush to clean the stained area. FLUSH THE BOWL SEVERAL TIMES.

For General External Cleaning: Place part or equipment to be cleaned in a glass, porcelain, crockery, or plastic container and cover completely with STRIP. Allow part to remain 15 minutes or until part is clean. In cleaning parts that are impractical to immerse, use a brush or mop to thoroughly apply STRIP until deposit or stain has been removed. WASH THOROUGHLY WITH WATER.



For General Internal Cleaning: For cleaning items such as hot water coils, unit heaters, etc., introduce STRIP through the appropriate opening.

If this is not practical, a piece of pipe or tubing can be attached and filled with STRIP. When part is clean, DRAIN AND FLUSH WITH WATER.

For Cleaning Brick and Tile: Prepare a solution containing 1 part STRIP and 4 parts water. Use a brush dipped in the solution to scrub brick or tile facing. Wear goggles. USE RUBBER GLOVES and protect person and clothing. Do not apply to mortar. WASH THOROUGHLY WITH WATER

OUR GUARANTEE-

SOLD IN QUANTITIES OF 12 ONE QUART CONTAINERS ONLY80-140STRIP in Quarts1228.2880-295Closet Bowl Swabs54.53	ou must be satisfied.	Item #	Description	Pkg Qty	Price	Stock
AL-ZYA COSAT BOWL Swaps b 4 35		80-140	STRIP in Quarts	12	28.28	
	OF 12 ONE QUART CONTAINERS ONLY.	80-295	Closet Bowl Swabs	5	4.53	

SOLD IN QUANTITIES OF 12 ONE POUND CONTAINERS ONLY.					
Item #	Description	Pkg Qty	Price	Stock	
80-401	1 lb. Containers	12	27.09		

SOLD IN C	QUANTITIES OF 12 ONE PO		NTAINER	S ON
Item #	Description	Pkg Qty	Price	Stoc
80-401	1 lb. Containers	12	27.09	

DANGER

2	
	CONTAINS COPPER
	SULFATE WHICH IS NOT
	ALLOWED IN ALL AREAS.
	PLEASE CHECK YOUR
	LOCAL CODES

ROOTROL is the wonder-working chemical for eliminating ROOT and FUNGUS growth. In most cases it gives complete satisfaction overnight. ROOTROL is another exclusive creation formulated only by us. It is harmless to the skin and clothing as it contains no caustic soda. ROOTROL is readily assimilated by ROOTS, which become paralyzed. After a short while decomposition takes place, causing the roots to slough away like rusty water.

ROOTROL has a spreading action like oil on water and will coat the entire inside of pipe through which it flows, that way affecting growth entering from top or bottom of sewer line.

One can is usually sufficient for most jobs. 2 lb. can.

ROOTROL ROOT

100	Oloon							
.28		SOLD IN QUANTITIES	Item #	Description	Pkg Qty	Price	Stock	I
.53		OF 12 TWO POUND CONTAINERS ONLY.	80-155	2 Lb. Container	12	49.73		I



ROSS ENZYME DRAIN CLEANERS





OVER 100 TREATMENTS PER CAN

\$49.95 SUGGESTED RETAIL PRICE PER CAN

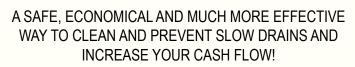
LESS THAN 50 CENTS PER APPLICATION FOR YOUR CUSTOMERS TO SAVE THEM AGGRAVATION AND HUNDREDS OF DOLLARS IN DAMAGES AND REPAIR

SOLD DIRECT TO CONTRACTORS

SIX 2LB CONTAINERS AND SALES LITERATURE PER CASE

FREE PERSONALIZED PRIVATE LABEL INCLUDED

Bio-Ross[™] is comprised of 8 unique synergized bacterial strains and each 2 lb. container has over 4.5 trillion enzyme producing bacteria, which far surpasses any other similar product on the market. **Bio-Ross**[™] produces enzymes which eliminates all types of grease, fat, oils, modern synthetic detergents, cleaners, soaps and toilet paper from the drain system. Best of all, **Bio-Ross**[™] is completely safe.



BIO-BOS

	SOLD 6 PER CASE ONLY			
Item #	Description	Pkg Qty	Price	Stock
80-808	BIO-ROSS — 2 lb. Container	6	39.63	



LIQUID ENZYME TREATMENT! NON-CAUSTIC FOR WEEKLY DRAIN LINE MAINTENANCE

DIGESTS AND LIQUEFIES WASTE PLUS IMMEDIATE MALODOR NEUTRALIZATION

ADVANTAGES

Digests organic waste	Non-acid or alkaline
Non-toxic	Non-pathogenic
 Eliminates strong odors 	 Good initial odor control
· Liquefies fats, proteins, carbohydrates & grease	 Reduces BOD & COD
Harmless to marine & animal life	 Harmless to plants
Produces aerobic & anaerobic enzyme strains	Easily applied
Excellent shelf life	Contains no additives—100% effective
• Use after any "caustic" or "sulfuric acid" cleaner to	o eliminate odor instantly

ROS<u>SANE</u>

WITH INSTANT ODOR CONTROL

AREAS OF USE

Grease Traps RV Toilet Tanks Sump Pumps Holding Tanks			Porta-Toilets Drains Fileds Lagoons Homes
--	--	--	--

RECOMMENDED FOR

Feed Lots	Homes	Hog Parlors	Stockyards
Veterinarians	Commercial Buildings	Pulp & Paper Mills	Hotels
Public Restrooms	Dairy Industries	Apartment Complexes	Motels
Food Processing Plants	Nursing Homes	Ranches	Farms
Oil Field Slushpits	Boats & Marinas	Hospitals	Zoos
Pestaurants & Cafeterias	Institutions/Schools	Municipalities	Plants
Restaurants & Cafeterias	Institutions/Schools	Municipalities	Plants

ROSSANE is a suspension treatment consisting of specially developed bacteria, aerobic, anaerobic, and facultative in nature. The bacteria are harmless to animal and marine life and are non-pathogenic. They eliminate the foul odors and gases it produces. ROSSANE not only masks odors, it eliminates their causes. **ROSSANE** cannot rest in the presence of organic waste materials; it must process them. Once their job is done they immediately concentrate on building their colony population up to full strength. As soon as new waste comes into their presence they swing into action. Anywhere in your plumbing system (elbows, bends, joints and traps) where solid waste can accumulate ROSSANE can build a colony and eliminate the cause of sluggish drains and odor. ROSSANE can be sprayed on flat surfaces to eliminate organic odor in carpets, from urine, vomit, waste, etc.-or poured into ponds and lakes to control organic odor-safely.

SOLD IN QUANTITIES OF 12 ONE QUART CONTAINERS ONLY.				
Item #	Description	Pkg Qty	Price	Stock
80-130	ROSSANE One Quart Container	12	28.08	

ROSS CHEMICALS & COMPOUNDS



Notes

CHEMICALS

CHEMICALS



CLEANER, PRIMER, CEMENT

AND UTILITY YELLOW LABEL TAN LABEL PURPLE LABEL ALL PURPOSE **CLEAR PRIMER PURPLE PRIMER** CLEANER later CLEANE · CPVC, PVC · ABS, PVC, CPVC · Removes dirt, grease and grime · For PVC & CPVC pipe and fittings · For all schedules and all diameters as well as softens pipe surface to · All schedules, all diameters · Flows freely and evaporates quickly allow for fast solvent weld · Removes surface dirt, grease & Does not penetrate pipe surfaces · Evaporates quickly grime as well as softens the pipe Apply at 40°F to 100°F Apply at 40°F to 100°F surface for fast solvent weld Price Item # Description Item # Description Price Stock Stock Exceeds ASTM F-656 84-216 15.75 NSF Listed 84-211 19.02 1/4 Pint (4 oz.) 1/2 Pint (8 oz.) 84-208 17.82 84-212 24.66 1/2 Pint (8 oz.) Item # Description Price Pint (16 oz.) Stock 84-209 22.80 84-251 84-248 22.92 30.45 Pint (16 oz.) Pint (16 oz.) Quart (32 oz.) 84-254 84-210 30.68 84-249 31.00 115.56 Quart (32 oz.) Quart (32 oz.) Gallon (128 oz.) LIGHT BLUE LABEL **GOLD LABEL** DARK GREEN LABEL **REGULAR CLEAR ALL WEATHER RAIN-R-SHINE™ CEMENT FOR PVC CEMENT FOR PVC PVC CEMENT** Medium bodied-fast set Blue Clear For PVC pipe & fittings up to 6" . For PVC pipe and fittings up to 6" VC CE Recommended for PVC • For Sch. 40 & Sch. 80 potable For Sch. 40 & Sch. 80 potable up to 4" & for Sch. 80 up to 2" water pressure pipe, gas, conduit, water pressure pipe, irrigation, gas, Exceeds ASTM D-2564 conduit, drain waste & vent pipe drain waste & vent pipes Apply at 40°F to 100°F Apply at 10°F to 100°F Apply at 40°F to 100°F NSF & UPC Listed a Exceeds ASTM D-2564 Exceeds ASTM D-2564 NSF & UPC Listed Item # Description Stock NSF Listed Price 84-217 8.85 1/4 Pint (4 oz.) Item # Description Price Stock Item # Description Price Stock 84-203 17.91 84-218 28.08 84-232 19.17 Pint (16 oz.) 1/2 Pint (8 oz.) Pint (16 oz.) 84-204 23.67 84-219 31.80 84-233 29.40 Quart (32 oz.) Quart (32 oz.) Pint (16 oz.) **GREEN LABEL** LIGHT GREEN LABEL **RED LABEL ABS TO PVC HEAVY-DUTY ALL PURPOSE PVC CEMENT** TRANSITION CEMENT CEMENT Clear Milky clear • For ABS, PVC and CPVC Exceeds ASTM D-2564 Apply at 40°F to 100°F Apply at 40°F to 100°F NSF & UPC Listed • Exceeds ASTM D-2564, D-2846, · For PVC pipe & fittings up to 12" in diameter D-2235, F-493 standards Medium-bodied green cement • For Sch. 40 & Sch. 80 potable water pressure pipe, gas 1/4 Pint (4 oz.) & 1/2 Pint (8 oz.) up to 6" pipe for use in joining ABS to PVC in • Pint (16 oz.) & Quart (32 oz.) up to 12" pipe conduit, drain waste & vent pipes non-pressure transition joints Item # Description Price Stock Item # Description Price Stock · All schedules up to 6" diameter 84-258 84-215 14.55 14.94 1/4 Pint (4 oz.) 1/4 Pint (4 oz.) pipe and fittings 60 84-200 84-259 18.45 21.36 1/2 Pint (8 oz.) Apply at 40°F to 100°F 1/2 Pint (8 oz.) 84-213 27.06 84-201 26.85 Item # Pint (16 oz.) Description Price Stock Pint (16 oz.) 84-214 44.43 84-245 84-265 25.83 46.03 Quart (32 oz.) Pint (16 oz.) Quart (32 oz.) YELLOW LABEL **BLUE LABEL CPVC CEMENT ABS CEMENT** ates **Don't See It?** ARS CEME Black · For ABS pipe and fittings up to 6" NSF listed • For all non-pressure applications We Can Get It! One step — no primer required Exceeds ASTM D-2235 Apply at 40°F to 90°F Faster cure time Reduced installation time NSF & UPC Listed Exceeds environmental requirements · All types and grades of ABS pipe and fittings for DWV Item # Description Price Stock Item # Description Price Stock

22.35

27.24

1/4 Pint (4 oz.)

1/2 Pint (8 oz.)

84-205

84-206

84-260

84-261

COMPOUNDS

CHEMICALS

COMPOUNDS, TOOLS

123

14.28

19.83

1/2 Pint (8 oz.)

Pint (16 oz.)



WREN	CHEMICALS COMPOUNDS, TOOLS AND UTILITY	
DUMBBELL TUB, DRAIN, SPUD WRENCH ACTUAL SIZE 6" CAST ALUMINUM • Prevents scratching on plated finish • Fits 90% of all tub drains • Fits 1-1/2" & 2" spuds Item # Description Price Stock 90-327 Dumbbell Wrench	NO-HUB TORQUE WRENCH For assembling no-hub soil pipe couplings. Preset 60 inch pound torque. 5/16" hex socket grips securely "clicks" when proper torque has been developed and eliminates guesswork to obtain a leak-proof joint. Handy reversing lever. Item # Description Price Stock 90-307 No-Hub Wrench 45.85	CLEANOUT PLUG WRENCH • For cleanout plugs with counter sunk top <u>Item # Description Price Stock 90-318 3/4" - 1" - 1 1/8" - 1 3/8" 29.91 </u>
For SLOAN FLUSHOMETER SPUD WRENCH • Fits Sloan Flushometers • For removing the Flushometer tailpiece without damaging the finish or ground joint <u>Item # Description Price Stock</u>	BASIN & BATH PLUG TOOL	SOCKET STYLE SEAT NUT WRENCH • Fits every kind of nut metal or plastic Item # Description Price Stock
65-522 Flushometer Spud Wrench 56.73 SOCKET WRENCH SET	90-319 Basin and Bath Plug Tool 8.55 SLOAN (A-50) • Original Sloan tool • Fits every connection required Item # Description Price Stock 65-520 Genuine Sloan Wrench 114.88	90-626 Seat Nut Wrench 57.78
STREET KEY SOCKETS • Make your own street keys • 5/8" slot • 1-3/4" long • 1/2" IPS tap Item # Description Price Stock 90-331 Street Key Socket 43.50	SCREW-IN ELEMENT WRENCH Item # Description Price Stock 44-345 Element Wrench 14.19	1/2" Shank Single Basin Faucet 1/2" Shank Centersets 1/2" Shank Kitchen Faucets 1/2" Shank Kitchen Faucets The "Quick Nutcracker" is the best tool available to the repair plumber, maintenance and handyman for removing frozen and corroded 1/2" zinc locknuts from deck mounted kitchen and bathroom faucets. The "Quick Nutcracker" saves time and money. All the user needs is a 3/8" ratchet, ratchet extension and the "Quick Nutcracker" to make one of the most frustrating repair plumbing jobs quick and simple. <u>Item # Description Price Stock 90-305 Nutcracker Tool 126.50 </u>
CLASSIC DRAIN WRENCH 13" overall length Cushion grip Solid steel construction Fits 3-1/2" plastic locknuts Fits 3-3/8" die cast basket strainer locknuts Fits brass locknuts on Casper's®, brass shower stall drains	• Fits kitchen, bath and laundry tub basket strainers, "P" traps, wing nuts and tub drains	BASKET STRAINER INSTALLATION WRENCH
Offset handle for close quarter work Item # Description Price Stock 90-428 Drain Wrench 72.38	Lifetime Guarantee <u>Item # Description Price Stock</u> 90-851 The Sink Drain Wrench™ 25.25	Item #DescriptionPriceStock90-448Wrench12.99

VRENCHES

CHEMICALS COMPOUNDS, TOOLS AND UTILITY	тос	IS
RADIATOR SPUD WRENCH	FOUR WAY VALVE STEM KEY	TUBE BEND SPRING
Item # Description Price Stock	For stopcocks, sillcocks and valves, used when handles have been removed. Fits 1/4", 9/32", 5/16" and 11/32" square stems. High quality steel, case hardened and zinc plated. Item # Description Price Stock	For 3/8" Tubing for copper, aluminum and soft thin wall tubing Item # Description Price Stock
Item # Description Price Stock 90-321 Radiator Spud Wrench 35.98 SEAT GAUGE	90-334 4 Way Key 9.81 SWEDGING	90-510 3/8" x 10 Ext Tube Bend 8.07 FAUCET SEAT Image: Comparison of the second s
BOARD • 4" x 6" size • Aluminum • 20 different seat gauges • 4 different screw gauges	 Eliminates need for couplings, swedges, 3/8", 1/2" AND 3/4" type K, L OR M Copper tempered steel 	REMOVAL TOOL 90-411 SHOWN Our 90-412 Is made from case hardened steel with a black oxide finish and left hand threads for easy and quick removal of even stripped out faucet seats Item # Description Price Stock
Item # Description Price Stock 90-402 Seat Gauge 88.30	Item # Description Price Stock 90-563 Cadmium Finish 90.80	90-411 7" Fit-All Tapered Tool 6.33 90-412 Heavy Grade Hardened Steel 29.76
FOUR PIECE FAUCET SEAT TOOL SET	FAUCET SEAT REMOVAL TOOL TAPERED	FAUCET SEAT REMOVAL TOOL SIX STEP
	TAPERED TO FIT SQUARE, HEX, OR OCTAGON	STEPPED TO FIT SQUARE & HEX-SIX STEP
Item # Description Price Stock 90-403 4 Pc. Faucet Seat Tool 35.23	Item # Description Price Stock 90-404 Faucet Seat Tool 8.31	Item # Description Price Stock 90-405 Faucet Seat Tool 8.31
SPUD HOLDING WRENCH • Fits all closet Spuds • "U" shape handle fits lavatory, waste and overflow strainers Item # Description Price Stock	ADJUSTABLE SPUD WRENCH • Case Hardened Steel Item # Description Price Stock	FAUCET SEAT DRESSER • For all type of bibbs or built-in fixtures • Produces a raised, rounded seat furnished with standard cutters • Locking device gives positive control Item # Description Price Stock
90-323 Spud Holding Wrench 43.75	90-370 Adjustable Spud Wrench 135.94	90-612 Faucet Seat Dresser 50.75
(104421) COMBINATION CARTRIDGE PULLER FOR 1200, 1225 AND 1222 CARTRIDGES • Redesigned to remove posi-temp and all Moen handle cartridges	• For the removal of both metal and	ONA CARTRIDGE PULLER
Item # Description Price Stock 90-630 Moen Cartridge Puller 115.80 90-631 Combo Cartridge Puller 78.38	For the removal of both metal and plastic Moen faucet cartridges <u>Item # Description Price Stock</u> 90-632 Cartridge Puller for Moen 54.93	FOR EXTRACTING MOEN VALVE CARTRIDGES Item # Description Price Stock 90-634 Ona Cartridge Puller

TOOLS





TOOLS



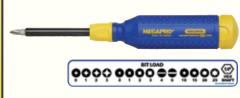
Item #	Description	Price	Stock
90-191	1/2" - 3/4" Comp Crimp Tool	418.68	
90-181	3 Handle Ratchet 3/8" - 1"	663.48	
90-182	Crimp Tool 3/8" - 1"	203.50	

MEGAPRO



Item #	Description	Price	Stock
90-285	Led Light and Clip only	17.04	

MEGAPRO ORIGINAL 15 IN 1



- 7 double end professional quality bits
- 14 of the most popular sizes
- Shaft opening serves as a 1/4" hex driver

Item #	Description	Price	Stock
90-290	Original 15 in 1 MegaPro™	60.05	



· 2 "Phillips" shanks

Notes

- 2 "Slot" shanks insulate handle
- 1/4" & 5/16' Nut Driver

1/4 & J/TO INUL DITVET				
Item #	Description	Price	Stock	
90-300	All-In-One Screwdriver	17.58		

GRIP TIP KNOCKOUT TEST PLUG



- 2 tips that allow DWV system to be air or water tested
- Perfect debris cover that knocks out in one piece
 Easy to hold stem and a deeper glue surface provides easier installation than standard plugs!
- Item # Description Price Stock 70-416 1.05 1-1/2" 70-417 1.26 2" 70-418 1.68 3" 70-419 2.22 4"

EXPANDING DRAIN OPENER



Connect it to your hose, the rest is automatic safe, clean... simply inserts into drain opening expands automatically when faucet turns on to form seal surge valve sends powerful water pulses through pipe to loosen and clear blockage. Automatically equipped with back flow protection

ĺ	Item #	Description	Price	Stock
	90-109		38.48	
- 1		Household 1"- 2" lines		
	90-110	Household 1-1/2"- 3" lines	41.68	
	90-112	Commercial 3"- 6" lines	103.10	

FLOOD GUARDS

To prevent basement flooding flood-guard operates like a check valve to seal off water back-up caused by overloaded sewers. Water flows normally through the drain until the sewer begins to back-up. Then the flood-guard float rises to seal off the drain opening until the water recedes.

nem #	Description	Price	SLOCK
90-714	2" Float Model	38.28	
90-710	3" Float Model	40.38	
90-711	4" Float Model	46.05	

WATER STOPPER HANDLE & CABLE SET



- Stops the water so you can solder
 Includes handle and cable
- Includes nancie and cable
 Solder copper lines in seconds
- Solder copper lines in seconds
 Elbows and valves are no problem
- Elbows and valves are no problem
 Strong no pipeh bondle
- Strong no-pinch handleNew ultra-flex cable design
- Set includes 1/2" 3/4" and 1" cable plus handle

Set includes 1/2, 3/4, and 1 cable plus handle				
Item #	Description	Price	Stock	
90-483	Complete Set & Handle	235.62		

CHEMICALS COMPOUNDS, TOOLS AND UTILITY URINAL PLUG

EXPANSION TYPE



 For plugging water lines and stub-outs

Item #	Description	Price	Stock
90-525	1/2" Round x 3/4" High	15.21	
90-526	3/4" Round x 1 1/8" High	16.11	
90-868	1" Round	18.57	
90-869	1-1/4"	22.50	

FLOOD GUARDS

Item #	Description	Price	Stock		
90-712	3" Flood Guard	32.10			
90-713	4" Flood Guard	43.73			

JAWS™ POWER GRIP

- Non-slip grip
- Adjustable through 1-1/2"
- Fits hex, square or round
- 10" self-adjusting ratcheting wrench
- Ratcheting head quickly sets to any position automatically without clumsy turn-screw adjustments
 Wark of a grant and then 250°

SIOO

- Works at every angle thru 360°
- For pipes, nuts, bolts, fittings of all kinds, American or metric
 The harder you press the tighter it gets
- The narder you press the lighter it gets
 The wrench will loosen rusted and frozen hold

93	-950	Jaws™ Power Grip	96.83			
Ite	em #	Description	Price	Stock		
• 11						

FYR-STYK

Makes it easier to light water heaters and furnaces
 Extends to over 2 feet

Item #	Description	Price	Stock	
90-440	Fyr-Styk	14.97		

GRAB ALL

 Item #
 Description
 Price
 Stock

 90-445
 Grab All 24" Retrieving Tool
 12.06

 WATER PUMP
 PLIERS

Fast and positive adjustment

- Fast and positive adjustment
 Plastic coated handles
- Extra strong teeth

	5		
Item #	Description	Price	Stock
90-337	10" Pliers	40.60	



TOOLS





- · Twisted wire handle
- · Stainless steel brush
- 144 per case
- SOLD 12 PER · Thick mass of steel wire ensures perfect PACKAGE cleaning job with minimum effort ONLY

Item #	Description	Pkg Qty	Price	Stock
90-520	1/2" CC	12	5.04	
90-522	3/4" CC	12	5.43	

HARD HEAD **FITTING BRUSHES** WITH HAND-FIT HANDLE



Item #	Description	Pkg Qty	Price	Stock	
90-538 1/2" Hard Head Brush		12	13.86		
90-539	3/4" Hard Head Brush	12	14.31		

SOFT TWIST **FITTING BRUSH**

|--|

- · Stainless steel bristles
- · Easy to grip

· Non-slip handle

SOLD IN PKG QTY ONLY				
Item #	Item # Description Pkg		Price	Stock
90-531	1/2" ID x 5/8" OD	12	6.60	
90-532	3/4" ID x 7/8" OD	12	6.75	
90-533	1" ID x 1-1/8" OD	12	7.59	
90-534	1-1/4" ID x 1-3/8" OD	8	7.80	

2 IN 1 **COPPER CLEANING TOOL**



· Faster and easier to use than sand cloth

- · Simple to store in your pocket or tool box
- Protects from sharp brush wires
- Tough, high carbon steel wire

• •	atent pend	ung
	1	D

Item #	Description	Price	Stock
90-455	1/2" Brush	30.50	
90-456	3/4" Brush	30.50	

HIGH QUALITY CLEANING BRUSHES

· Twisted wire handle - Stainless steel brush - 144 per case · Extra thick mass of steel wire ensures perfect cleaning

job with minimum effort SOLD IN PKG OTY ONLY

Item #	Description	Pkg Qty	Price	Stock
90-541	1/2" CC	12	8.79	
90-542	3/4" CC	12	9.15	
90-543	1" CC	12	10.35	
90-544	1-1/4" CC	12	10.83	
90-545	1-1/2" CC	6	11.25	
90-546	2" CC	6	11.49	

CHEMICALS COMPOUNDS, TOOLS AND UTILITY **CARBON STEEL WIRE**

FITTING BRUSH WITH HAND-FIT HANDLE



- · Priced per each
- 144 per case · Size shown on handle
- PACKAGE ONLY

SOLD 12 PER

- · Single spiral 2-ply carbon steel wire construction
- · Solid plastic hand-fitting handle with convenient hang hole

Item # Description		Pkg Qty	Price	Stock
90-547	1/2" Wire Brush	12	6.72	
90-548	3/4" Wire Brush	12	7.47	
90-649	1" Wire Brush	12	8.22	

SAND CLOTH



120 GRAIN SAND - EMERY CLOTH 1 PER BOX - 24 PER CARTON Item # Description Price Stock 90-560 13.59 1-1/2" x 30' Roll (10 yds)

WET-CUT WATERPROOF CLOTH



31.23

- · 100% resistant to water, cutting oils, grease, chemicals and other solvents
- · Does not need to be "flexed"
- 120 grit grain, "J" weight cloth
- · The best choice for air conditioning parts Price Stock Item # Description

1-1/2" x 75' Roll

COPPER **CLEANING PAD**

90-572

Item #

90-537



SOLD 10 PER PACKAGE ONLY Price Stock Description 2.01 4" x 6"

- Plastic body
- Blade made out of high carbon steel
- · Includes spare blades stored in body

Item #	Description	Price	Stock		
90-188	Deburring Tool	23.40			

DECRIMPING TOOL



· Removes crimp ring and pex tubing from 1/2", 3/4" & 1" fittings

· Prevents damage to brass fittings

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	Item #	Description	Price	Stock
	90-174	Decrimping Tool	157.88	



SOLDERING TOOLS AND GAUGES

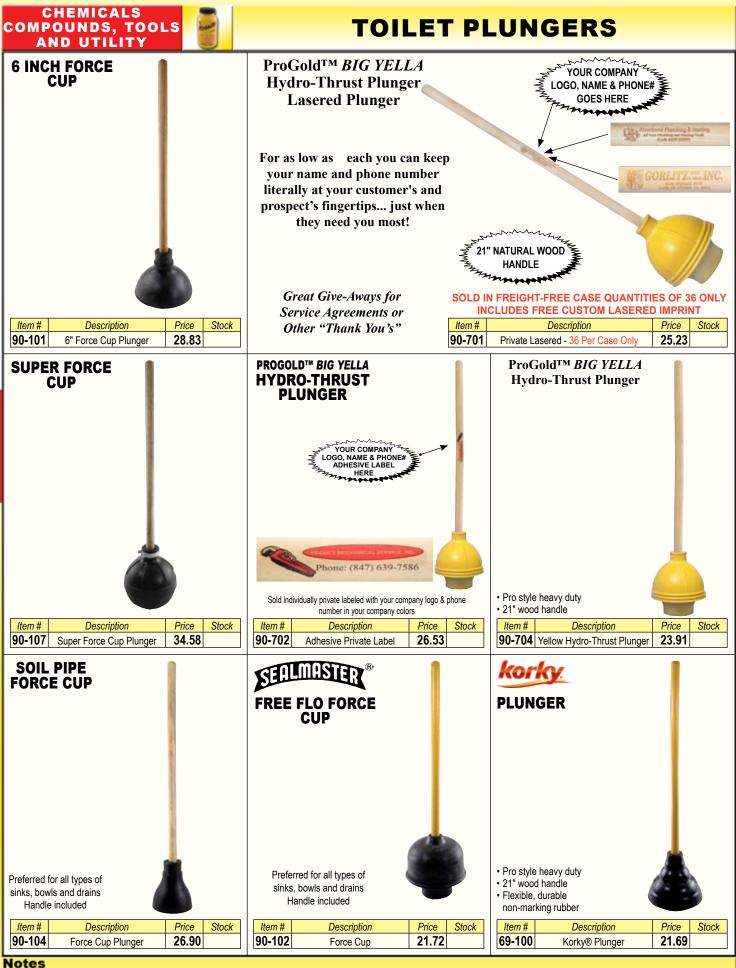
Notes

AND UTILITY SPARK (TL-44) **FLAME-GARD** OTturbatarch LIGHTER FLAME-GARD MAPP[®] & PROPANE **SELF LIGHTING TORCH** · Replaces TL-3 and TL-4 · For soldering brazing · Replaceable tip-end • 9-1/2" x 12" Pad ROUND FILE - SINGLE FLINT · Heavy-duty piezo ignitor · Non-asbestos, spun-ceramic aluminum backing · File rotates, provides fresh surface for the flint Machined rotor - protects wood, painted, or metal surfaces from heat · Large hood traps more gas · Wide lighting range and flame of a torch · File has keen cutting surface Cuts brazing time up to 30% · Belongs on every service truck and in every tool box Flints good for 1,500 ignitions Use with CSA 600, 1 lb. MAPP® or propane tanks 12 PER BOX Price Price Item # Description Stock Stock Item # Description Stock Item # Description Price 90-530 45.50 91-175 10.20 90-682 Flame-Gard Self Lighting Torch 309.08 Lighter (ST-9) PROPANE **GAS TEST STurbalarch** TORCH GAUGE HAND TORCH KIT · Built for professionals · Ignites by pressing "on" button 360° swivel tip for easy use Threads directly to your propane tank 2" GAUGE Rugged brass regulator · Safe, economical, ruggedly-built torch ADAPTS TO 3/4" MPT Interchangeable tip designed to give you years of service with proper care Price Stock Item # Description Operates with either MAPP® or Propane gas Needs no scratch lighter, matches or batteries 91-255 40.50 · Components: ST-R pressure regulator · Burns hotter than other propane torches - over 3,500° 0#-30# PSI Rating · Safer to use - burn tip stays cool in normal use CGA-600, ST-3 tip 91-256 41.13 0#-60# PSI Rating 91-257 41.65 0#-100# PSI Rating Item # Description Price Stock Item # Description Price Stock 91-258 24.72 90-694 90-680 197.80 144.24 Body Only with Air Valve Hand Torch Kit Torch WATER TEST WATER TEST 2-1/2" Gauge throttle plug PRESSURE 0-300 PSI dial unbreakable face GAUGE GAUGE GAUGE 3/4" female hose connection Excellent to determine if P/T valve is leaking from failure or if leaking is caused by surge or excessive pressures. (Attach gauge to Boiler Drain Valve overnight.) LAZY hand operates over entire gauge range of 0-300 psi. 1/4"' MPT-ONE TO A BOX Item # Price Stock 2-1/2" Gauge throttle plug Description Regular pressure hand (shown at zero) pushes LAZY hand 0-300 PSI dial unbreakable face 91-219 31.18 2" Dia.-100# Ga. PSI (shown at 250 lbs.) to peak operating or surge pressure 3/4" female hose connection 91-200 31.18 point where it remains until you manually reset it. 2-1/2" Dia.-15# Ga. PSI Price 91-201 39.65 Item # Description Stock Item # Description Price Stock 2-1/2" Dia.-30# Ga. PSI 91-250 51.23 91-251 51.48 91-203 41.10 Water Test Gauge Water Test Gauge 2-1/2" Dia.-100# Ga. PSI

OOLS/GAUGE

CHEMICALS

COMPOUNDS, TOOLS



PLUNGERS



VENT/TAPE

DRYER



CHEMICALS UTILITY AND SUMP PUMPS COMPOUNDS, TOOLS AND UTILITY PLASTIC **MULTI-PURPOSE** ADJUSTABLE FLOOR DRAIN **FLOOR DRAIN FLOOR DRAIN** COVER 3-1/4"-6-3/4" • 7" Dia. top - 6-3/4" grill Stainless steel screws · 2" or 3" inlet socket 14 gauge stainless steel · 2-3/4" deep sump area allows greater drainage · Four adjustable bolts · Conforms to ASTM D-2665-PVC · Use as an area way drain or with a trap · Replaces old black cast iron covers · 2" tapped with 1-1/2" concealed cleanout & 2" HUB outlet 15 DRAINS PER BOX Item # Price Stock Description Price Stock Item # Description Price Stock Description Item # 53-291 59.35 53-196 29.95 53-295 60.03 2" PVC White PVC 2"-3" 7-1/4" Diameter (M267) (M53) (004705) MODEL 267 **MODEL 53** "WASTE MATE" hker. MIGHTY MATE" **CAST IRON CAST IRON SUBMERSIBLE** SWITCH SUBMERSIBLE PUMP SEWAGE PUMP • 115 Volt • Automatic .3 HP • 1/2 HP · Non-clogging vortex impeller Vortex impeller design Pumps 2,580 gallons per hour Float operated mechanical switch • 1-1/2" NPT discharge Durable cast iron construction Completely Submersible Stainless steel screws, float rod, bolts, · Float operated switch handle, guard, arm & seal assembly UL listed and 12 month limited warranty • UL listed with 10' cord SdWDd · Motor is thermal overload protected • 9' cord with 3 prong grounded plug standard • Passes 1/2" spherical solids and may be Passes 2" spherical solids used to pump septic tank effluent • Pumps 11,880 gallons per hour · Repairs all 50 series models UTILITY/SUMP Price Item # Description Price Stock Item # Description Price Stock Item # Description Stock Zoeller Model M53 Pump 295.44 55-267 Zoeller Model M267 Pump 55-054 55-053 668.46 Genuine Zoeller Switch 81.08 (AP-0808) **1/3 HORSEPOWER 1/3 HORSEPOWER** PRO SERIES PRO SERIFS Fluidmaster (AP-1414) SUBMERSIBLE SUMP SUBMERSIBLE SUMP PUMPS PUMPS **ACCESS PANEL** PUMP PUMP 3 year 5 year · Conceals/reveals plumbing warranty 🛓 warranty · Super-easy to install non mant No framing required · Upper and lower ball bearings · May be painted or wallpapered Dual carbon ceramic seals · Upper and lower ball bearings · No visible clamps or screws · Stainless steel fasteners · Cast iron housing with 20' cord length Item # Description Price Stock · Dynamically balanced cast iron impeller · Dynamically balanced cast iron impeller 57-300 8" x 8" Access Panel 31.13 · Includes dual float switch and deluxe controller · Dual carbon ceramic seals and additional third shaft seal 57-301 46.70 14" x 14" Access Panel · Continuous duty construction with capacitor start · Includes dual float switch and deluxe controller • Removable strainer and 20' cord length · Continuous duty construction with capacitor start 1730 GPH · E-rated insulation(A-E, higher better) energy efficient · Stainless steel removable strainer and fasteners PRO SERIFS · Cast iron and stainless steel housing w/double baked paint · E-rated insulation(A-E, higher better) energy efficient **BATTERY BACKUP** PIIMPO · Sold only to Professional Contractors Sold only to Professional Contractors **CONTINUOUS-DUTY** Item # Description Price Stock Item # Description Price Stock SUMP PUMP SYSTEM 55-020 55-021 801.70 1/3 HP Sump Pump 523.16 1/3 HP Sump Pump PHCC DELUXE 1/2 HORSEPOWER PRO SERIES PRO SERIES DUAL FLOAT SWITCH SUBMERSIBLE SEWAGE PUMPS PIIMPO & CONTROLLER PUMP 3 year Pumps 1730 GPH at a 10-foot lift warranty · Stainless steel shaft, rulon seal, and rustproof housing man provide long-lasting, reliable operation · Computer programmed battery charging system · Includes tethered float switch minimizes water loss in battery and ensures that the · System operating light Dynamically balanced cast iron impeller battery is always fully charged · Remote jack terminals allow connection · Removable strainer with 20' cord length · Sounds an alarm and indicates when: to a security system or other device · Continuous duty construction with capacitor start - the battery fluid is low and water needs to be added · Uses 9 volt battery(not included) to Cast iron and stainless steel housing - the battery is discharged, defective or terminal needs cleaning sound alarm when power is out · Upper and lower ball bearings and stainless steel shaft - the AC power is out or the circuit breaker has blown Dual ceramic seals and stainless steel fasteners · Alarm sounds when float has been up for 10 minutes - the pump was activated or the safety fuse has blown continuously, indicating a potential problem · E-rated insulation(A-E, higher better), energy efficient · Alarm can be silenced during an emergency and Sold only to Professional Contractors Sold only to Professional Contractors will automatically reset in 24 hours Item # Description Price Stock Item # Description Price Stock Item # Description Price Stock 55-022 55-025 194.20 55-026 866.46 Pump w/Battery Back-Up 678.24 **Pro Series Pumps** Pro Series Pumps



WATER HEA	TER REPAIR	CHEMICALS COMPOUNDS, TOOLS AND UTILITY
HIGH WATT DENSITY UNIVERSAL FLANGE WATER HEATER ELEMENT WITH ROUND RUBBER GASKET	HIGH WATT DENSITY SCREW-IN WATER HEATER ELEMENT WITH ROUND RUBBER GASKET	LIME-LIFE ELEMENT SCREW-IN
Item # Watts Volts Length Price Stock	Item # Watts Volts Length Price Stock 44-320 1500 120 7-5/8" 25.41 1 44-322 2000 120 7-5/8" 25.86 1 44-327 3500 240 12-9/16" 27.84 1 44-326 4500 240 13-9/16" 28.29 1	Highest grade nickel and chromium. An ultra low-watt density element, the Lime-Life is designed to heat in lime and sand build-ups that will burn out ordinary elements. The Lime-Life also works best in areas where water has a high mineral content. Because of its sheath, the Lime-Life will even withstand dry-firing, one of the main reasons other elements fail. Item # Description Price Stock
44-344 6000 240 12-1/4" 41.03 White UNIVERSAL Rodgers THERMOCOUPLES • Replaces all standard thermocouples in water heaters, central furnaces, RV heaters and many space heaters	44-329 5500 240 13-9/16" 32.88 OPEN COIL DRY ELEMENT Smaller nichrome wire	44-451 Screw-In Flange 89.68
Item # Description Price Stock 44-301 18" 16.95 44-302 24" 18.60 44-303 30" 20.25 44-304 36" 21.06	Item # Description Price Stock 44-454 1500 Watts, 120 Volts 46.33 1500 Watts, 120 Volts 160.33	THY PLUMBER [™]
RADIATOR VALVE	WATER HEATER SAF-T-PAN • Virtually indestructible • Comes with 1" drain • Will not rust or corrode • Will withstand temperatures from - 40°F TO 250°F	WASHING MACHINE SAF-T-PAN • Virtually indestructible • Comes with 1" drain • Will not rust or corrode
Item # Description Price Stock 43-286 1/8" MIP w/ Key 7.80 43-285 Valve Only - Coin Slotted 8.01 43-287 Key Only - Sold 10 per Only 3.30 Stock Stock	Eliminates water damage from leaking water heaters Can be hooked up to pass all codes SOLD IN BOX QUANTITIES ONLY Item # Description Box Qty Price Stock 90-827 22" Aluminum Pan 6 85.35 90-822 24" Plastic Pan 3 29.45	Made of hi-density polyethylene Can be hooked up to pass all codes Will withstand temperatures from - 40°F TO 250°F Eliminates water damage from leaking washing machines <u>Item # Description Price Stock</u> 90-825 27" x 29" ID, 32" x 30" 119.00 WATER HEATER
THERMOSTAT Isted • Energy efficient range settings	COMBINATION HIGH LIMIT LOWER THERMOSTAT	THERMOSTAT
Built in safety switch to prevent overheating All thermostats are adjustable <u>Item # Description Price Stock 44-342 Upper Thermostat 50.80 </u>	Built in safety switch to prevent overheating All thermostats are adjustable <u>Item # Description Price Stock 44-343 Lower Thermostat 47.80 </u>	UL approved — one year warranty Item # Description Price Stock 44-340 Lower Thermostat, Single Pole 32.88

СОМР	HEMIO OUND ND UT	S, TOC	DLS					H١	VAC	
SPP S PTC/CA	SERIES APACITOR BINATION	8	Phone P	(SPP6) (SPP7)	REFRIG HARD	I 1 SERIE GERATION STARTS		(RCO81 (RCO41 (RCO21 (SS41		(SCM60) (SCM150)
 90 - 277 Recomm Positive Field pro 	vire installatio Voltage (VAC nended Range Temperature oven Reliabilit g Voltage Re	;) e (hp) 1/2 to 1 Coefficient Te y - Most econ	chnology (PT) omic	C)	Pre-wired for 115 VAC Item # 46-332	or d proven techno easy installatio <i>HP Ratir</i> Relay, Start Ca 1/12 - 1/ Relay, Start Ca 1/4 - 1/3	on agenciter	Price Stor 30.78 30.78	Protect your equipment with sur Green LED to indicate surge pro Easy installation at disconnect c	otection is present
<u>Item #</u> 46-300 <mark>46-301</mark> 46-302	SPP5 300 SPP6 500	escription % Inc. in Torq <mark>% Inc. in To</mark> rq % Inc. in Torq	ue 33.38		46-333	Relay, Start Ca 1/3 - 1/2 Potential Rela aciter & Overlo	apaciter 2 y, Start	44.98 113.60	Weatherproof housing <u>Item # Description</u> 46-689 Max Surge Current 60,00 46-690 Max Surge Current 100,00	
TIMER	ON MAKE S (DOM)	n 120/240 va	lta	1 C		(TD68) (TD69) (TD69W)		ON BREAK RS (DOB)		(TD72) (TD73) (TD73W)
**The 46-6 <i>Item</i> # 46-670*		use with a coo Delay Range Fixed	oling anticipato	ns Rep erm. AC-800-AD A-1 706 /	Diaces F Mars 32391 Mars 1/ ICM102/ 2		**The 46-6	mber to use in 77 is not for us <i>Delay Range</i> <i>Adjustable</i> * 6 sec to 5 min	se with a cooling anticipator Delay Range Fixed Connections Repute n/a (2) 1/4" male term. ASC500	Aces Price Stock
Non – PO Physical Operatin Microfara Drawn si Quad bla Hermetic Air condi Refrigerae Air handl Condens	DR RUN CB biodegrad interrupter fo g temperaturu ad uF tolerand teel case com ade quick con cally sealed titoning compress blower motor ler blower motor ser fan motors r conditioners	able synthetic r safety e -13°F to + 1 2e +/- 5 % struction nect terminals ressors sors s tors 5	c oil 185°F (- 25°C	I	Mars 32391		40-073	6 sec to 5 min	n/a (2) 1/4" male term. Office of the second s	erial 1/2 Pilot - Fine Silver 25 VAC; 18A Resistive, 12 Resistive, 8 FLA, 48 LRA orm 1 & 2): 125 VAC:14
<i>Item #</i> 46-354	(UF) Value 3	370 VAC X	440 VAC	Single X	Dual	Oval X	Round	Price Stoc 6.96	250 VA @ 250 VAC, 277 VA @ 27	7 VAC, 125 VA @ 125 VAC
46-350 46-351 46-352	5 7 10	X X X		X X X		X X X		6.66 8.70 8.70	COILS : Voltage Ratings - 24, 12 24 VDC Frequency - 50/60 Hz F of nominal, DC 75% of nominal, Inrush 5 VA 3VA, Sealed 3 VA 3	Pick-up Voltage - AC 85% Power Ratings -AC DC,
46-365 46-353	12.5 15	X X		X X		X X		12.36 12.90	46-630 SPST 4	I Voltage Price Stock 24∨ 24.36
46-355 46-356 46-357 46-358	5 7.5 10 15		X X X X	X X X X		X X X X		7.68 10.32 12.99 14.94	46-632 SPST 4 46-633 SPDT 1	120V 25.50 240V 28.11 24V 25.11 120V 29.61
	35		X	X	X	X	Х	26.70		240V 28.13 24V 27.36
46-359 46-360 46-361	35 + 5 35 + 5	Х	X		X	X		31.95		24V 21.30 120V 30.93 240V 30.93

CONTACTORS & RELAYS

Definite Purpose Contactors

- Designed to control air conditioning, refrigeration and resistance heating loads
- Ranges: 20 to 90 Full Load Amps (FLA)
- Poles: 1-1/2 to 3
- Coil Voltages: 24, 120 & 208/240
- · Universal mounting base allows easy replacement of other manufacturers' devices
- Molded enclosed, replaceable coil structures
- · Optional field installed auxiliary contacts available

20 - 40 FULL LOAD AMPS / 1.5 & 2 POLES FEATURES

- The coil and each power pole are supplied with two 1/4" quick connect terminals.
- Standard 20 30 FLA contactors feature hex screws with #2 Phillips / slotted heads.
- Standard 40 FLA contactors include box lugs.

Item #	Poles	Full Load Resistive Amps		LRA Si	ngle Phase 50	Coil Voltage	Price	Stock	
		Amps	Per Pole	240/277V	480V	600V			
46-340	1.5	30	40	180	150	120	24	25.71	
46-341	2	30	40	180	150	120	24	26.43	
46-342	2	30	40	180	150	120	120	26.43	
46-343	2	40	50	240	200	160	24	33.35	

25 - 40 FULL LOAD AMPS / 3 POLE

• The coil and each power pole are supplied with two 1/4" quick connect terminals.

• Standard 25 and 30 FLA contactors feature hex screws with #2 Phillips / slotted heads and short covers.

• Standard 40 FLA contactors include box lugs and long covers.

Ite	em#	Poles	Full Load	Resistive Amps	Three Phase 50/60 Hz			Single Phase 50/60 Hz		Coil Voltage	Price	Stock
			Amps	Per Pole	240V HP / LRA	480V HP / LRA	600V HP / LRA	HP@20V	HP@20V			
	-344	3	30	40	10/180	15/150	15/120	2	5	24	60.20	
46	-345	3	30	40	10/180	15/150	15/120	2	5	120	60.20	
46	-346	3	30	40	10/180	15/150	15/120	2	5	208/240	64.98	
46	-347	3	40	50	10/240	20/200	20/160	3	7.5	24	64.98	
46	-348	3	40	50	10/240	20/200	20/160	3	7.5	20//240	64.98	

GENERAL PURPOSE SWITCHING RELAYS DOUBLE POLE - DOUBLE THROW (DPDT)

Applications

- HVAC/ R
- Appliance vending machines

Fan controls

Business machines

CONTACT RATING	Power	208/240V	Pilot 208/240V		
	120V	277V	120V	277V	
Full Load Amps	12	6	-	-	
Resistive Amps*	15	15	3	3	
Locked Rotor Amps	60	35	-	-	
Horsepower	3/4	3/4	1/10	1/10	

*0.75 power factor

Item #	Coil Volrage	Terminal 1-2-3	Terminal 4-5-6	Exxex/RBM	Cross Reference Honeywell	Price	Stock		
46-636	24	power	power	90-340	R8222D1014	27.57		Item #	Open
46-637	110/120	power	power	90-341	R4222D1013	25.38		46-875	50
46-638	208/240	power	power	90-342	R4222N1021	25.38		<mark>46-876</mark>	60
40-030	200/240	power	power	30-342	N4222IN IV2 I	23.30		40-010	1



(FL50)

(FL60)

HVAC FLUSH MOUNT STAGING THERMOSTAT

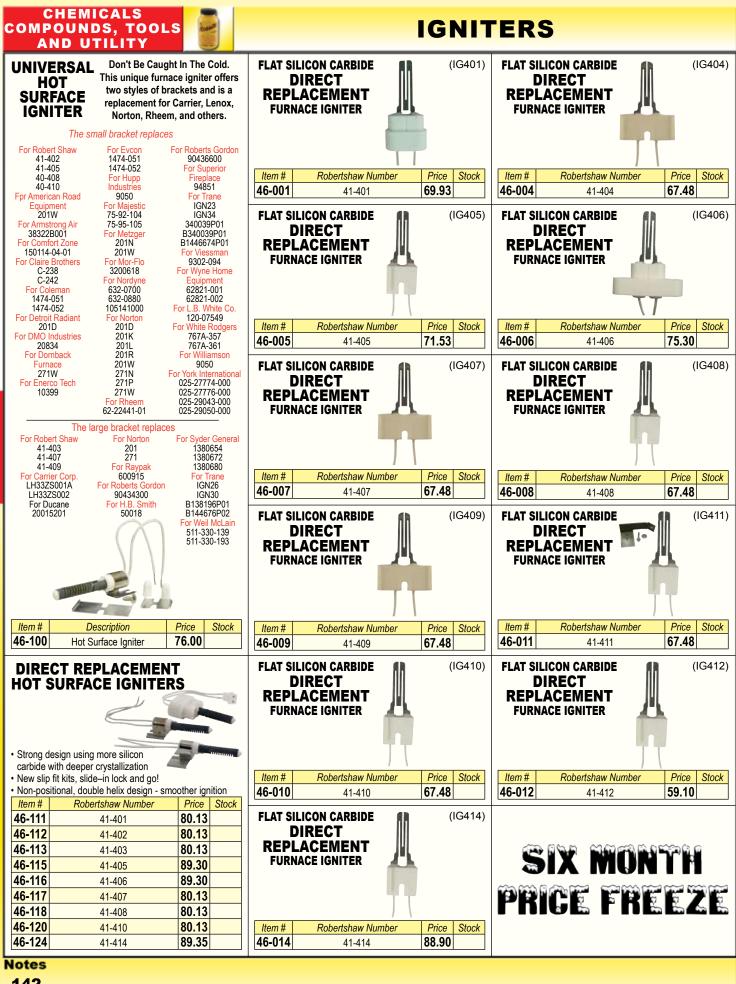


					IEW
ltem #	Open	Close	Differential	Price	Stock
6-875	50	35	15	17.85	
6-876	60	45	15	17.85	









GNITERS

