

**ORDER TOLL FREE: 800-428-7548**

PHONE : 765-446-0881 • FAX: 765-446-1133



Place Holder Only

## Cast Bronze Threaded Fittings

Bronze Fittings and Nipples available in Polished Chrome at prices in effect at the time of delivery.



Size	A.	B.	C.	D.	E.	F.	G.	H.	I.	J.
									Sizes 1&2	Sizes 3&4
1/8", 1/4", 1/2"										
3/4"										
1"										
1 1/4"										
1 1/2"										
2"										

## Std. Brass Nipples

Brass nipples stocked in ample quantity. Longer lengths produced in our machine shop for immediate delivery.



Size	Ct.	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"
1/8"											
1/4"											
3/8"											
1/2"											
3/4"											
1"											
1 1/4"											
1 1/2"											
2"											

## Copper Fittings



Size	A	B	C	D	E	F	G	H	I	J	K
1/4"											
3/8"											
1/2"											
5/8"											
3/4"											
7/8"											
1"											
1 1/4"											
1 1/2"											
2"											



## Aluminum Alloy Slip Joint Fittings

Size	A	B	C	D	E	F	G	H
3/4"								
1"								
1 1/4"								
1 1/2"								



Size	A	B	C	D	E	F	G	H
3/4"								
1"								
1 1/4"								
1 1/2"								

**Cast Iron Flanged Fittings**

125 lb. Standard, Black, Faced and Drilled.



A. 90° Elbows B. 45° Elbows C. Reducing Elbows D. 90° Long Radius Elbows E. Tees F. Reducing Tees G. Crosses H. Laterals I. Concentric Reducers J. Eccentric Reducers

Size	A.	B.	C.	D.	E.	F.	G.	H.	I.	J.
1 1/2"										
2"										
2 1/2"										
3"										
4"										
5"										
6"										
8"										

**SUR-TEF Joint Sealant Replaces Gor-Tex**



**Easy To Install**

A gasket that comes on a spool, that's Sur-Tef Joint Sealant. Select the size you need, from 1/8" to 3/4" in diameter, cut off the length required with a pair of scissors and your gasket is ready to be applied. The adhesive stripe holds the Joint Sealant in place. Cross the ends at a bolt hole and tighten up. Temperature range -450° to +500°. Pressures to 2000lbs.

Size	Price
1/8" x 100'	
3/16" x 75'	
1/4" x 50'	
3/8" x 25'	
1/2" x 15'	
5/8" x 15'	
3/4" x 15'	

**Red Rubber Gaskets**

Full Face 1/8" thick  
150 lb.



Size	Price
1/2"	
3/4"	
1"	
1 1/4"	
1 1/2"	
2"	
2 1/2"	
3"	
4"	
5"	
6"	
8"	
10"	
12"	

**All Purpose Flange Gaskets**



Companion Flange Gaskets 1/16" Thick



Ring Type

Size	150lb	300lb
1/2"		
3/4"		
1"		
1 1/4"		
1 1/2"		
2"		
2 1/2"		
3"		
3 1/2"		
4"		
5"		
6"		
8"		
10"		
12"		
14"		
16"		
18"		

Full Face

Size	150lb	300lb
1/2"		
3/4"		
1"		
1 1/4"		
1 1/2"		
2"		
2 1/2"		
3"		
3 1/2"		
4"		
5"		
6"		
8"		
10"		
12"		
14"		
16"		
18"		

**Flexitallic**

For Use on ANSI B 6.5 Raised and Flat Face Flanges



Style CG Gaskets

Size	150lb	300lb	600lb
1/2"			
3/4"			
1"			
1 1/4"			
1 1/2"			
2"			
2 1/2"			
3"			
3 1/2"			
4"			
5"			
6"			
8"			
10"			
12"			
14"			
16"			
18"			

## Manville Packing Materials Mechanical

### Packing FOR PUMPS, VALVES PRESSURE VESSELS

**C-45-Squared-Graphited Non-Asbestos** Braid-Over-Braid Construction, is a general purpose packing recommended for industrial bronze and brass valve service handling service water, cooling water, sanitary water, fire water, air and condensate. Replaces Style CG3. Pressures up to 300 psi; temperature to 600°F. Speeds up to 1750 rpm.

**C-48-Round-Teflon Non-Asbestos** Braid-Over-Braid Construction, is a general purpose packing for centrifugal and rotary pumps handling hot and cold water, oils, acids, caustics and slurries, where dense, strong packing is desired. Also, for reciprocating rods and plungers; and because of high Teflon content, provides both maximum sealability and low friction. Replaces Style CT2. Speeds up to 3600 rpm. temperature limit 500°F.

Size	(Price/Ft.)	
	Non-Asbestos C-45	Non-Asbestos C-48
3/16"	1.48	1.20
1/4"	2.96	2.20
5/16"	5.47	2.87
1/2"	12.30	6.29
3/8"	7.08	3.31

**104 Neoprene Sheet** is especially well suited for sealing oil, gasoline, and petroleum solvents. Compounded of CR (neoprene) rubber that is relatively impermeable to gases, it effectively seals propane, butane, hydrogen, etc. (Neoprene is not recommended for chlorinated and aromatic solvents such as benzok and carbon tetrachloride.) Physically, J-M 104 has excellent tensile strength. Press vulcanized to a plate finish. Black color. Durometer hardness. 55-65. Temperatures to 300°F. Pressures to 200 psi; steam pressure to 50 psi.

**105 Neoprene Diaphragm Sheet** is a high grade general purpose, diaphragm material with broad application oil and gasoline service such as fuel pumps, control valves and similar uses. It contains high quality insertions of square-woven, medium-weight duck to give uniform structural strength over the entire diaphragm area. Press vulcanized to a plate finish. Black color. Durometer hardness of rubber compound without fabric, 65-75. Temperatures to 275°F.

**107 Liberty Red Rubber Sheet** is an excellent grade rubber making material for general service. It is non-staining and non-marking. It is suitable for medium pressure hydraulic applications such as hot and cold water, air and saturated steam. A relatively light weight material that remains soft and pliable, yet does not extrude in joints. Durometer hardness 75-85. Temperatures to 300°F. Pressures to 200 psi; steam pressure to 50 psi.

**C4401 Non-Asbestos Service Sheet** makes sturdy, efficient seals, suitable for almost universal applications against a wide range of conditions. Especially recommended for high pressure and high temperature use, Service sheet is effective in general industrial processes. It seals super-heated steam, air, gas, water, oil, ammonia, some acids and chemicals, and many other fluids and gases. Tough and durable, yet extremely pliable, it seats readily to form a tight seal, and retains its resiliency over a long period of time. Non-asbestos Sheet, Temperatures max. 750°F. Pressures max. 1450 psi.

## Sheet Packing

**#104 36" Wide** — Sold by 100 lb. rolls or cut full width. Priced per pound. Specify length. Thickness:

#104 Neoprene Sheet 1/16" **\$2.67/ft**

**#105 56" Wide** — Sold by 100 lb. rolls or cut full width. Priced per pound. Specify length. Thickness:

#105 Neoprene Diaphragm 1/16" **\$21.45/ft**  
1/8" **\$44.22/ft**

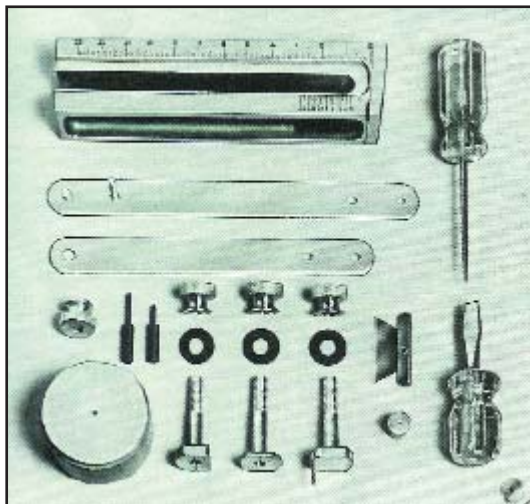
**#107 36" Wide** — Sold by 100 lb. rolls or cut full width. Priced per pound. Specify length. Thickness:

#107 Red Rubber 1/32" **\$4.20/ft**  
1/16" **\$2.43/ft**  
1/8" **\$4.88/ft**  
3/16" **\$7.16/ft**  
1/4" **\$9.45/ft**

### Non-Asbestos

**C4401 60" x 60" Sheets**— Sold and priced per sheet. Specify thickness.

1/32" **\$52.88**  
1/16" **\$84.00**  
1/8" **\$116.25**



## Extension Gasket Cutter

Cuts compressed asbestos, cork, rubber, Teflon® and fiber.

No.	VNS#	Price
No. 1 capacity to 12"	AC001	\$219.45
No. 2 capacity to 24"	AC002	\$234.15
No. 3 capacity to 36"	AC003	\$248.85
No. 4 capacity to 48"	AC004	\$263.55
No. 5 capacity to 60"	AC005	\$389.63
No. 3 Blades(regular)		
Pkg. of 6	AC013	\$14.70
No. 3A Blades(heavy duty)		
Pkg. of 6	AC014	\$17.85
No. 8 Short Center pin, 1/2" shank	AC015	\$5.00
No. 8A Long Center pin, 3/4" shank	AC016	\$5.00

Cutters furnished in Metal Box

ALLPAX

## Packing Hooks



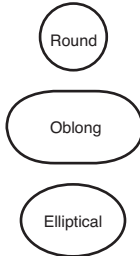
For removing packing from stuffing boxes.

Hook No.	VNS#	Overall Length	Used for Packing Sizes	Price
No. 1	AC007	7 1/2"	1/4" to 5/16"	\$15.75
No. 2	AC008	11"	3/8"	\$17.85
No. 3	AC009	15"	7/16" to 1/2"	\$21.42
No. 4	AC010	19"	9/16" to 5/8"	\$39.69
No. 5	AC011	22"	11/16" to 1"	\$63.00
No. 6	AC012	30"	Over 1"	\$85.68



## HANDHOLE & MANHOLE GASKETS

When Ordering: Please Specify: Length (I.D.), Width (I.D.), Gasket Width, Gasket Thickness, Style, EPT Synthetic rubber will be provided unless otherwise specified. Example: 3 1/2" x 4 1/2" x 1/2" x 1/4" E. Prices below are for Elliptical, EPT synthetic rubber. Prices for other materials may vary.



VNS#	DESCRIPTION
CG218	3" x 4" x 1/2"E
CG219	3" x 4" x 5/8"E
CG220	3" x 4" x 3/4"E
CG226	3 1/4" x 4 1/4" x 1/2"E
CG227	3 1/4" x 4 1/4" x 3/4"E
CG229	3 1/4" x 4 1/2" x 1/2"E
CG233	3 1/2" x 4 1/2" x 1/2"E

VNS#	DESCRIPTION
CG234	3 1/2" x 4 1/2" x 5/8"E
CG258	10 1/2" x 14 1/2" x 1 3/8"E
CG260	11" x 14" x 1 1/4"E
CG262	11" x 15" x 1 1/4"E
CG267	12" x 16" x 1 1/8"E
CG268	12" x 16" x 1 1/4"E
CG310	3" x 4" x 1/2"OB
CG312	3" x 4 1/2" x 3/16"OB
CG316	3 1/4" x 4 1/2" x 1/2"OB
CG320	3 1/2" x 4 1/2" x 1/2"OB

Many more sizes available. Phone for pricing.



## FLEX-ROPE FIBERGLASS ROPE KNITTED

### INTRODUCTION:

Flex-Rope knitted fiberglass rope is manufactured to give the best qualities of outdated high temperature rope without its hazards. Flex-Rope resists temperatures up to 1000 °F and because of its special knit-braided process, it is available in a variety of size and densities.

### FEATURES:

Knit-braided Flex-Rope is extremely strong, resilient and flexible. The special knit-braided process enables Flex-Rope to spring back to its original shape after compression, making it an excellent choice for almost any door gasket such as boiler, oven and wood burning stove doors. Unlike braided fiberglass rope which will "bloom" at the end when cut, or twisted fiberglass rope which will tend to untwist, Flex-Rope remains remarkably unaffected when it is cut. This new manufacturing process yields considerably more feet per pound than braided gasket ropes and is therefore less expensive.



Size by inch	VNS#
HIGH DENSITY	
1/8"	FT001
1/4"	FT002
3/8"	FT003
1/2"	FT004
5/8"	FT005
3/4"	FT006
1"	FT008
1 1/4"	FT009
1 1/2"	FT010



150#

(With Grade 2 Zinc plated nuts/bolts, Durabla 7900 Gasket)

Pipe Size	Bolt Size Per Set	Bolt-Nuts	VNS#
1/2"	1/2-13 x 1-3/4	4	IN1501/2
3/4"	1/2-13 x 2	4	IN1503/4
1"	1/2-13 x 2	4	IN1501
1 1/4"	1/2-13 x 2-1/4	4	IN15011/4
1 1/2"	1/2-13 x 2-1/4	4	IN15011/2
2"	5/8-11 x 2-3/4	4	IN1502
2 1/2"	5/8-11 x 3	4	IN15021/2
3"	5/8-11 x 3	4	IN1503
4"	5/8-11 x 3	8	IN1504
6"	3/4-10 x 3-1/4	8	IN1506
8"	3/4-10 x 3-1/2	8	IN1508



300#

(With Grade 2 Zinc plated nuts/bolts, Durabla 7900 Gasket)

Pipe Size	Bolt Size Per Set	Bolt-Nuts	VNS#	Price Per Set
1/2"	1/2-13 x 2	4	IN3001/2	
3/4"	5/8-11 x 2-1/2	4	IN3003/4	
1"	5/8-11 x 2-1/2	4	IN3001	
1 1/4"	5/8-11 x 2-3/4	4	IN30011/4	
1 1/2"	3/4-10 x 3	4	IN30011/2	
2"	5/8-11 x 3	8	IN3002	
2 1/2"	3/4-10 x 3-1/4	8	IN30021/2	
3"	3/4-10 x 3-1/2	8	IN3003	
4"	3/4-10 x 3-3/4	8	IN3004	
6"	3/4-10 x 4-1/2	12	IN3006	
8"	7/8-9 x 5	12	IN3008	

## No. P50, P60 (1/4")

Plastic Miniature Water Pressure Regulators



Maximum Supply Pressure: 300 PSI  
 Operating Temperature Range: 0-150°F  
 Reduced Pressure Ranges Available:  
 (A) 0-25  
 (B) 0-60  
 (C) 0-125

**OPTIONS:**

- 3/4" hose connection
- 1/4" 0-160 gauge
- Consult factory for all made to order specials or modification requests
- Strainer
- Double-gauge port and mounting bracket
- By-pass relief valve for fluid service
- Quick disconnect for plastic tubing

## PVC VALVES AND STRAINERS



**PVC Ball Valve\***  
DU Series—Double Union

Size	VNS#	Socket or Thread	Flanged
1/2"	CH008		
3/4"	CH009		
1"	CH010		
1 1/4"	CH011		
1 1/2"	CH012		
2"	CH013		
3"	CH014		
4"	CH014A		



**Ball Check Valve\***  
Double Union

Size	VNS#	Socket or Thread	Flanged
1/2"	CH059		
3/4"	CH060		
1"	CH061		
1 1/4"	CH062		
1 1/2"	CH063		
2"	CH064		
3"	CH073		
4"	CH074		



**PVC Foot Valve\*\***

Size	Socket or Thread	Flanged
1/2"		
3/4"		
1"		
1 1/4"		
1 1/2"		
2"		
3"		
4"		



**Y-Check Valve**

- IPS Spigot ends.
- Transparent PVC Body allows visual check of operation.
- Weighted VITON seat allows tight seal @ low pressure
- Horizontal or vertical installation.
- Max W.P. 150#

Size	VNS#		Size	VNS#
1/2"	*		1 1/2"	GV045
3/4"	GV042		2"	GV046
1"	*		3"	*
1 1/4"	GV044			



## Type 522 SYGEF NEEDLE VALVE

- (PVDF) SYGEF body F.P.T.
- Seats: virgin PTFE.
- Non lubricated/no contaminants to leach into process fluid. High purity construction materials. Excellent chemical resistance.
- Precise metering control. Can be panel mounted.
- Used on solvents, acids, high purity acids, high purity water.
- Max W.P. 200# @ 73°F

Size	VNS#	
1/4"	GV061	*
3/8"		*
1/2"		

## PVC SEDIMENT STRAINERS

Transparent PV cody IPS Spigot ends, viton seals, flow direction indicated. Screens are separate from cage support facilitating replacement of damaged screens. Max WP. 150#. 20 mesh screens std.



Size	VNS#
1/2"	GV001
3/4"	GV002
1"	GV003
1 1/4"	GV004
1 3/4"	GV005
2"	GV006
3"	GV007

## SILVER DUCT TAPE



NO. 234

VNS#	KT002...	VNS#	KT003...
	2" X 60 yds. ea.		3" X 60 yds. ea.
	Carton of 24 ea.		Carton of 16 ea.



## GASOILA PIPE COMPOUND

VNS#...FP003

1/2 pt.	
1 pt.	

Temperature Range 100-600°F

Slow-drying, soft-setting, non-toxic, brushable, without grit. Cures by solvent evaporation, providing a slow-drying, soft-setting, durable, long-lasting seal that can be easily disassembled. Seals liquids up to 10,000 PSI & gases up to 3,000 PSI.

## FREE ALL INDUSTRIAL STRENGTH PENETRATING OIL

- Free All penetrates rust, scale and corrosion to free parts and assemblies.



• The Free All's unique acid base attacks the rust, while lubricating for easy removal. Customers have called it "Torch in a Can" and "Liquid Dyna-mite."

• The unique, high quality carrier gets Free All into the smallest, hard-to-reach places.

12 oz. Aerosol  
Cat. # FP001

## PLS

### PLASTIC LEAD SEAL ALL-PURPOSE SEALING COMPOUND

For All Types Of Threaded Connections

- Pipe Joints, Plugs, Screwed Fittings, Flanged and Gasketed Joints.

- Seals For the life of the connections.
- Never hardens - won't crack due to temperature change.
- Withstands pressures to 6000 psi., temperatures to 550°F.

VNS# CP001	1 lb. 1/4" Pt. (12)
CP004	4 lb. 1 Pt. (6)



## Teflon PIPE JOINT SEALER

Size	VNS#
1/2" x 600"	TF001
3/4" x 600"	TF002
1" x 520"	TF003

## NEVER-SEEZ® Compound

HIGH TEMPERATURE ANTI-SEIZE AND EXTREME PRESSURE LUBRICATING COMPOUND

- Prevent Seizure and corrosion to 2000°F
- Stop Galvanic Pitting
- Eliminate Galling
- Reduce Friction and wear



1/4 lb. Can	VNS# NS010	(24)
16 oz. Aerosol	NS040	(12)
8 oz. Brush Top Can	NS060	(24)
1 lb. Can	NS030	(12)
1 lb. Cartridge	NS070	(12)

## RECTORSEAL

Rectorseal 100-W  
0-15,000 psi to 500°F



## PIPE THREAD COMPOUND

GENERAL PURPOSE, NON-HARDENING, NON-SEIZING COMPOUND—SLOW DRY, SOFT SET

Rectorseal #5  
Gases to 2600 psi  
Liquids to 10,500 psi  
Minus 50°F. to 400°F.

**Brush Top Cans**

SIZE	VNS#	#100W	VNS#	#5
1/4" Pint	RS005		RS001	
1/2" Pint	RS006		RS002	
1 Pint	RS007		RS003	

**Grinnell Pipe Hangers**



Size
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
3 1/2"
4"
5"
6"
8"



fig. 218

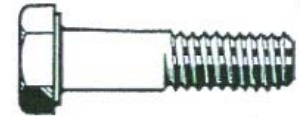


fig. 128R Rod  
3/8"  
1/2"



fig. 128 IPS  
1/4"

**Grade 5 Hex Head Cap Screws  
Less Nuts Per Each**



	3/8	1/2	5/8	3/4	7/8	1
1 1/2"						
1 3/4"						
2"						
2 1/4"						
2 1/2"						
2 3/4"						
3"						
3 1/4"						
3 1/2"						
3 3/4"						
4"						
4 1/2"						
5"						



Size
1/4"
3/8"
1/2"
5/8"
3/4"
7/8"
1"

**THREADED ROD  
6 Ft. Lengths**



1/4" Thru 1" - Plated  
1 1/4" Thru 1 1/2" - Unplated

Nom. Pipe Size	Pcs. per Tube
1/4"	90
5/16"	35
3/8"	38
1/2"	21
5/8"	10
3/4"	12
7/8"	8
1"	6
1 1/8"	4
1 1/4"	3
1 3/8"	2
1 1/2"	2

**Heavy Hex Nuts**



Price per each
3/8"
1/2"
5/8"
3/4"
7/8"
1"

**Wrought Steel Washers  
U.S. Standard Sizes**

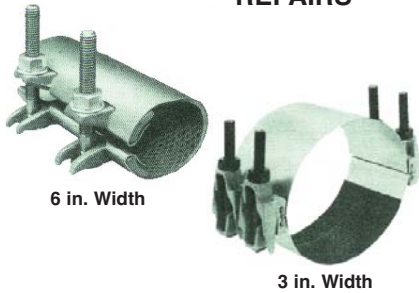


Price per each
3/8"
1/2"
5/8"
3/4"
7/8"
1"

**ROCKWELL SMITH - BLAIR CLAMPS AND COUPLINGS**

Fast repairs for pipe lines — ORDER BEFORE THE EMERGENCY HAPPENS

**PERMANENT REPAIRS**



**Smith Blair 245 Redi-Clamp.**  
Fast, economical repair for steel pipe through 12" standard.

**REPAIR COMPLETE BREAK**

Type 226 Full Circle Coupling provides fast permanent repair to all sizes and types of asbestos-cement, cast iron and steel pipe.



12 1/2 Inch Width (5 bolts)

TYPE 226	
2" x 7 1/2"	2.35-2.63
3" x 12 1/2"	3.46-3.70
3" - 4" x 12 1/2"	3.96-4.25
4" x 12 1/2"	4.45-4.73
4" x 12 1/2"	4.74-5.14
6" x 12 1/2"	6.56-6.96
8" x 12 1/2"	8.54-8.94
8" x 12 1/2"	8.99-9.39

Larger sizes available on special order

**TYPE 411-BOLT TYPE COUPLINGS**



2 Bolt	
1/2" x 7"	
3/4" x 7"	
1" x 7"	
1 1/4" x 7"	
1 1/2" x 7"	
2" x 7"	

3 Bolt	
2 1/2" x 5"	
3" x 5"	
4" x 5"	

4 Bolt	
4" x 5"	
4" x 7"	

Nom. Pipe Size	3" Width		6" Width	
	No. Per Ctn.	No. Per Ctn.	No. Per Ctn.	No. Per Ctn.
1/2"	24	12	12	6
3/4"	12	9	9	6
1"	12	9	9	6
1 1/4"	12	6	6	6
1 1/2"	12	6	6	6
2"	8	4	4	4
2 1/2"	8	3	3	3
3"	—	4	4	4
4"	—	3	3	3

**PIPE SCRAPER**



48"...

22"...

**PIPE #525**



Compression Couplings can be installed over threaded or plain pipe. No pipe threading necessary. Available from 1/2" to 2".

**BUNA N GASKETS**

Nom. Pipe Size	No. per Ctn.	-40-120°F Up to 150PSI
1/2"	24	
3/4"	24	
1"	16	
1 1/4"	12	
1 1/2"	12	
2"	12	

**ROCKWELL 227 SUPER RANGE DOUBLE BAND FULL CIRCLE CLAMP COUPLING**

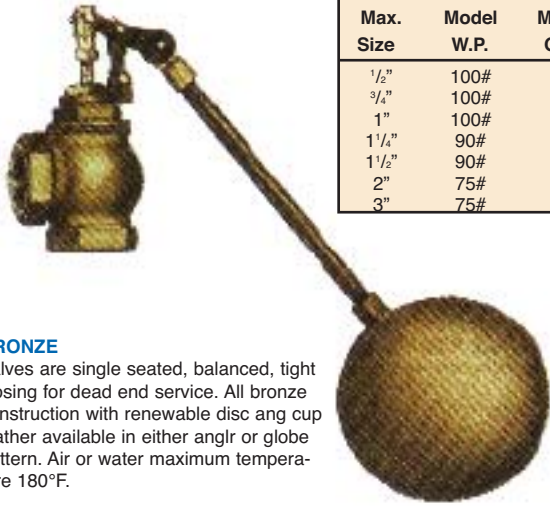
provides a fast economical method of coupling or repairing full circumferential breaks, holes, cracks or other types of damage on cast iron, steel, asbestos cement, copper, aluminum, plastic, fiberglass and other types of pipe that will last as long as the pipe.



**No. 227 Full Circle Clamp**

12 1/2" LONG		20" LONG	
3"	3.49-4.29	10"	10.75-11.55
4"	4.44-5.24	10"	11.10-11.90
4"	4.74-5.57	10"	11.60-12.40
6"	6.62-7.42	12"	12.75-13.55
6"	6.84-7.64	12"	13.20-14.00
8"	8.62-9.42	12"	13.65-14.45
8"	8.99-9.79	12"	13.65-14.85

## GADREN FLOAT VALVES



Max. Size	Model W.P.	Bronze Globe   gnA	
		Model GCF	Bronze Model ACF
1/2"	100#		
3/4"	100#		
1"	100#		
1 1/4"	90#		
1 1/2"	90#		
2"	75#		
3"	75#		

### BRONZE

Valves are single seated, balanced, tight closing for dead end service. All bronze construction with renewable disc and cup leather available in either angle or globe pattern. Air or water maximum temperature 180°F.

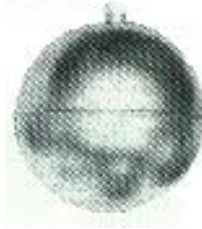
Max. Size	Model W.P.	S.S. Globe   gnA	
		Model GHF	S.S. Model AHF
1/2"	100#		
3/4"	100#		
1"	100#		
1 1/2"	90#		
2"	75#		

### Stainless Steel (not pictured)

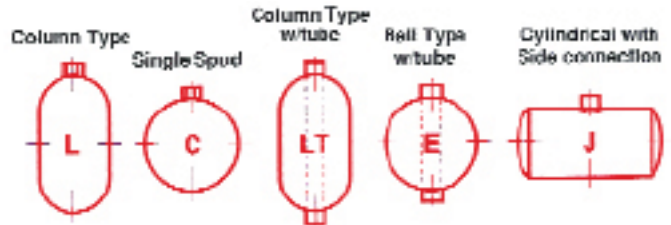
Stainless Steel float valves for corrosive applications. All metal parts made of 304 stainless steel. Cup and disc made from teflon. Single seated for tight shut-off. Maximum temperature in 400°F. Specify Angle or Globe.

## Stainless Steel Floats

Corrosion Resistant Type 304 Stainless Steel Floats for temperatures to 800°F and pressures to 150psi..



Float Dia.	Tapping In Ounces	Wt. of Float
2"	1/4"-20NC	1.5
2 1/2"	1/4"-20NC	1.75
3"	1/4"-20NC	4.75
4"	1/4"-20NC	9.00
5"	1/4"-20NC	24.75
6"	1/4"-20NC	31.00
7"	3/8" IPS	43.00
8"	3/8" IPS	53.00
10"	3/8" IPS	116.00
12"	3/8" IPS	165.00



"L" and "J"	
S.S. Column Type Float	
3"x7" w/ 1/4"-20 Single Spud	4"x6"
w/ 1/4"-20 Single Spud	5"x7" w/
1/4"-20 Single Spud	6"x10" w/ 3/8"
I.P.S. Single Spud	

"LT"	
S.S. Column Type Float w/ tube	
3"x7" w/ 3/8" or 1/2" I.D. Tube	4"x6"
w/ 3/8" or 1/2" I.D. Tube	5"x7" w/ 3/8"
or 1/2" I.D. Tube	6"x10" w/ 3/8" or 1/2"
I.D. Tube	

"E"	
S.S. Column Type Float	
4" w/ 3/8" I.D. Tube	5" w/ 3/8" I.D. Tube
6" w/ 3/8" or 1/2" I.D. Tube	7" w/ 3/8" or
1/2" I.D. Tube	
8" w/ 3/8" or 1/2" I.D. Tube	
10" w/ 1/2" I.D. Tube	
12" w/ 1/2" I.D. Tube	

# KECKLEY Float Valves • Reducing Valves & Pressure Regulators P.O.A.



**No. 7 and No. 77  
Angle and Globe Patterns**

### Single-Seated Float Valves

Nos. 7 and 77 float valves are recommended where tight closing valves are needed. Pilot controlled and equipped with a renewable rubber composition disc. Sizes 1 1/2" and smaller have bronze bodies and trimmings. Larger sizes have semi-steel bodies with bronze trim.

**Operation:** The inlet water pressure, under the control of the float operated internal pilot valve, supplies the power to open or close these valves. At low water pressure the movement of the inner valve is assisted by the direct action of the float. The No.77 differs slightly from the No.7. No.77 closes against the direction of water flow, thereby preventing sudden closing and water hammer at high pressures and in large size valves.

**When Ordering:** State valve number, pipe size, whether angle or globe pattern, style of ends, pressure and approximate water temperature if above 125°F.

Size	No. 7		No. 77
	Screwed	Screwed	Flanged
1/2"			
3/4"			
1"			
1 1/4"			
1 1/2"			
2"			
2 1/2"			
3"			
4"			
5"			
6"			

### No. 27 Double-Seated Float Valves

Globe or Angle

Sizes 1 1/2" and smaller: Bronze Body and Brass Trim  
 Sizes 2" and Larger: Semi-Steel Body and Bronze Trim



Controls the supply of hot or cold water or oil to open tanks to maintain a constant level automatically. Swivel yoke can be rotated to any position and the angle and length of float rod is adjustable.

Standard construction includes double seated inner valve. Sizes 1 1/2" and smaller have integral seats. Larger sizes have renewable seats. Float is copper plated.

**When Ordering:** State pipe size, whether angle or globe pattern, style of ends, water pressure and whether for hot or cold water. Do not use for dead end service.

Size	No. 27	No. 27	No. 27
	Screwed	Flanged	X-Heavy
1/2"			
3/4"			
1"			
1 1/4"			
1 1/2"			
2"			
2 1/2"			
3"			
4"			
5"			
6"			
8"			
10"			
12"			



**DURABLE "STAINLESS STEEL" CHECK VALVES GIVE SILENT, SURE, SHOCKPROOF PIPING SYSTEM PROTECTION**

**18-8 Stainless Steel**

**300 lb. W.S.P. at 500°F**

The Durabla Stainless Steel Basic Check Unit, combined with almost any standard pipe fitting, forms a complete check valve suitable for practically all services—oil, water, refrigerants, light hydrocarbons, gas and steam. They operate in any position. The same valve, screwed into dry cans, slashers and other pressure vessels acts as a vacuum breaker providing full protection against collapse of the equipment.

The Durabla "Basic Check" unit operates easily with low pressure drop, closes positively without leakage in any position. It's applicable for temperatures from sub-zero to 500°F and pressures through 300 psi W.S.P. WOG cold service nonshock rating is 600 psi.



Spring loaded, type 316 Stainless Steel Check valve operates at 750 CWP (500 WSP) and threads directly to NPT standard pipe. Temperatures from cryogenic to 500°F.

NOTE: Standard seating metal-to-metal Soft seats, Buna-N, Viton, or Felon available upon request.



Line Size (Inlet)	VNS #	Outside Threading Diameter
1/4" & 3/8"	DU009 & DU001	1"
1/2"	DU002	1"
3/4"	DU003	1 1/2"
1"	DU004	2"
1 1/4"	DU005	2 1/2"
1 1/2"	DU006	3"
2"	DU007	4"
2 1/2"	DU010	4"

Line Size (Inlet)	VNS #
1/2"	DU015
3/4"	DU016
1"	DU017
1 1/4"	DU018
1 1/2"	DU019
2"	DU020



**SILENT CHECK VALVES for SHOCK-PROOF PIPING SYSTEMS**

Designed and engineered for Silent operation with Low head loss. Specially designed spring controls the closure of Val-Matic Silent Check Valves. . . closing valve disc in advance of flow reversal, thereby preventing water hammer and damaging shock normally associated with valve shut-off.



**125# GLOBE STYLE**

#1800	BRONZE TRIM	S.S. TRIM
2 1/2"		
3"		
4"		
5"		
6"		
8"		
10"		

Val-Matic 1800 Series Globe-Style Silent Check Valves are available in 13 standard sizes: 3" through 30" in both 125 lb. and 250 lb. A.S.A. ratings. Call for pricing on 250 Valves.



**WAFER STYLE**

#1400	VNS #	BRONZE TRIM		S.S. TRIM	
		VNS #	VNS #	VNS #	VNS #
2"	VA201			VA221	
2 1/2"	VA202			VA222	
3"	VA203			VA223	
4"	VA204			VA224	
5"	VA205			VA225	
6"	VA206			VA226	
8"	VA207			VA227	
10"	VA208			VA228	

Wafer Style Valves also available in 2" through 10".

**FOOT VALVES**



2" through 30"

For positive prime with silent operation, Full Flow area positive shut-off at all ranges, silent operation.

Body - Cast Iron  
Seat - Bronze/Buna N  
Plug - Bronze  
Screen - Heavy Duty S.S.

Size	Model
2"	1902
2 1/2"	1902 1/2
3"	1903
4"	1904
5"	1905
6"	1906
8"	1908
10"	1910
12"	1912

Standard 125# connections. 250 lb. and larger sizes priced on request.

**AIR RELEASE VALVES**



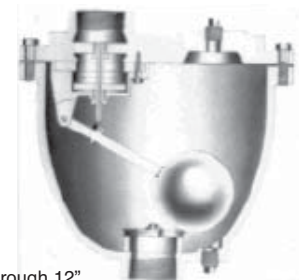
To Maintain pipeline efficiency, Air Release valves mounted at high points in your piping systems will remove all pockets of air. Complete interchangeability of parts. Working pressures to 800 psi.

Vents accumulated air from piping systems during system operation. Materials of construction: cast iron body, stainless steel trim with Buna-N seating.

Valve* Size	Model No.	VNS #	P.S.I. M.W.P.	Weight (lbs.)
1/2"	15A		175	6
3/4"	15A.2		175	6
1"	15A.3		175	6
1 1/2"-2 1/2"	22.4	VA022	175	8
1"	22.3		175	8
1 1/2"-2 1/2"-1"	22.9		300	8
3/4"-1"	25.5		150	12
3/4"	25.6		300	12
1"	38		150	24

\*When multiple size inlets are indicated for a specific model number, the valve is threaded for the largest size indicated and a reducing bushing is provided for the smaller sizes. The smaller size tappings are available on special orders only.  
†FM Approved

**COMBINATION AIR VALVES**



1" through 12"

For high capacity venting, pipeline protection, flow efficiency. Working pressures to 300 P.S.I. For systems requiring both air release and air vacuum valves these units perform both functions.

Body - Semi Steel  
Trim - All S.S.

Size	Model	VNS #
1" IPS	201C.2	VA301
2" IPS	202C.2	VA302
3"	203C.14	
4"	204C.14	
6"-12"	106/38	

250# Flanged Price on request

## VIERK NATIONAL SUPPLY - VALVE REPAIR



### THE SAVINGS ARE REAL. THE SERVICE IS THE BEST!

As we all continue to look for ways to operate within tighter budgets, the Vierk valve repair and reconditioning facility is already saving many of our customers thousands of dollars.

We all know that budgets are tight and you have got to make the right decision every time you spend your money. The Vierk valve recondition service is the smart alternative to new valve replacement.

Many of our customers already know that sending safety, gate, stop & check and control valves to our repair and recondition facility saves them thousands of dollars annually. Money that can be spent on other needed projects.

- Reconditioned valves are guaranteed the same as new!
- All safety valves are tested, certified and stamped in accordance with ASME/National Board Code requirements.

**ORDER TOLL FREE: 800-428-7548**

FAX: 847-689-4412



Smarter Tools for  
Smarter Work

Tools for the main-  
tenance and repair  
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- Boilers
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- Evaporators
- Chillers/  
Absorbers
- Coolers



- Tube Cleaners
- Tube Expanders
- Pneumatic Tools
- Accessories



Vierk National Supply is an authorized distributor for Thomas C. Wilson, Inc.  
Please Call for Pricing.



## 125# S.P. Valves



**Fig. #650**  
Threaded Globe



**Fig. #507**  
Threaded Gate



**Fig. #500**  
Double Wedge



**Fig. #1822**  
Solder Gate  
Non-Rising Stem



**Fig. #1821**  
Double Wedge  
Solder Gate Rising Stem

**Fig. #500S**  
Solid Wedge  
Threaded Gate

	Fig. #650	Fig. #507	Fig. #500	Fig. #1822	Fig. #1821
1/4"					
3/8"					
1/2"					
3/4"					
1"					
1 1/4"					
1 1/2"					
2"					
2 1/2"					
3"					

## 125# S.P. Valves



**Fig. #2700**  
Threaded Gate



**Fig. #1825**  
Solder Horizontal  
Swing Check



**Fig. #578**  
Threaded  
Swing Check



**Fig. #560Y**  
Threaded Y  
Swing Check

## 200# S.P.

	Fig. #2700	Fig. #1825	Fig. #578	Fig. #560Y
1/4"				
3/8"				
1/2"				
3/4"				
1"				
1 1/4"				
1 1/2"				
2"				
2 1/2"				
3"				



**150# S.P. Valves**



**Fig. #151**  
Threaded Angle  
Globe



**Fig. #2600**  
Threaded Globe



**Fig. #1823**  
Solder Globe



**Fig. #512**  
Threaded Gate



**Fig. #2712**  
Threaded  
Non-Rising Gate

	Fig. #151	Fig. #2600	Fig. #1823	Fig. #512	Fig. #2712
1/4"					
3/8"					
1/2"					
3/4"					
1"					
1 1/4"					
1 1/2"					
2"					
2 1/2"					
3"					

**200# S.P.**



**Fig. #2375**  
Threaded Gate  
Rising Stem



**Fig. #180**  
Threaded Gate  
Needle



**Fig. #375**  
Threaded Gate  
Rising Stem  
Solid Wedge

**300# S.P.**



**Fig. #1202**  
Threaded Globe



**Fig. #2377**  
Threaded Gate  
Rising Stem  
Double Wedge

	Fig. #2375	Fig. #180	Fig. #375	Fig. #1202	Fig. #2377
1/4"					
3/8"					
1/2"					
3/4"					
1"					
1 1/4"					
1 1/2"					
2"					
2 1/2"					
3"					

## RED-WHITE VALVE CORP.



### 125# S.P. Valves



**Fig. #211**  
Threaded Globe Valve with Bronze Disc  
Fig. #212 Same but with Solder ends



**Fig. #220**  
Threaded Globe Valve with Teflon Disc and Union Bonnet



**Fig. #200F**  
Threaded NRS Gate Valve with Drain  
Fig. #201 Same but with Solder ends.



**Fig. #206**  
Threaded NRS Gate Valve with Screwed over bonnet  
Fig. #207 Same but with Solder ends



**Fig. #208**  
Threaded RS Gate Valve with Inside Screwed Bonnet

	Fig. #211	Fig. #220	Fig. #200F	Fig. #206	Fig. #208
1/4"					
3/8"					
1/2"					
3/4"					
1"					
1 1/4"					
1 1/2"					
2"					
2 1/2"					
3"					



**Fig. #275**  
Threaded NRS Gate Valve with Inside Screwed Bonnet  
Fig. #276 Same but with solder ends



**Fig. #280**  
Threaded NRS Gate Valve with Inside Screwed Bonnet  
#MSS-SP-80



**Fig. #281**  
Solder Ends NRS Gate Valve with Inside Screwed Bonnet

### 300# S.P.



**Fig. #360**  
Threaded Horiz. Swing Check Valve with Bronze Disc.



**Fig. #236**  
Threaded Y-Pattern Swing Check Valve with Bronze Disc  
Fig. #237 Same but with solder ends

	Fig. #275/276	Fig. #280	Fig. #281	Fig. #360	Fig. #236
1/4"					
3/8"					
1/2"					
3/4"					
1"					
1 1/4"					
1 1/2"					
2"					
2 1/2"					
3"					

# RED-WHITE VALVE CORP.



## 150# S.P. Valves



**Fig. #221**  
Threaded Globe Valve with Teflon Disc and Union Bonnet



**Fig. #204**  
Threaded NRS Gate Valve with Inside Screwed Bonnet



**Fig. #298**  
Threaded RS Gate Valve with Union Bonnet



**Fig. #5050 & #5051**  
#5050-Threaded Ends  
#5051-Solder Ends  
150# WSP  
600# WOG  
3-Piece Full Port  
Chromium-Plated Ball  
Teflon Seats, Blow-Out Proof Stem

	Fig. #221	Fig. #204	Fig. #298	Fig. #5050	Fig. #5051
1/4"					
3/8"					
1/2"					
3/4"					
1"					
1 1/4"					
1 1/2"					
2"					
2 1/2"					
3"					



**Fig. #381(Flanged)**  
125# WSP  
200# WOG  
"Y" Strainer  
Bolted Cover, SS Screen



**Fig. #442(Flanged)**  
150# WOG  
Dual Plate  
Check Valve  
Bronze Plate  
Buna-N Seat



**Fig. #421(Flanged)**  
125# WSP  
200# WOG  
Gate Valve  
IBBM, OS&Y  
RS Solid Disc  
MSS-SP-70



**Fig. #415(Flanged)**  
125# WSP  
200# WOG  
Gate Valve  
IBBM, NRS Solid Disc  
MSS-SP-70



**Fig. #435(Flanged)**  
125# WSP  
200# WOG  
Swing Check Valve  
IBBM, Bolted Cover  
MSS-SP-71

	Fig. #381(Flanged)	Fig. #442(Flanged)	Fig. #421(Flanged)	Fig. #415(Flanged)	Fig. #435(Flanged)
2"					
2 1/2"					
3"					
4"					
5"					
6"					
7"					
8"					
10"					
12"					

## 200-POUND CAST IRON WAFER TYPE BUTTERFLY VALVE

"ACTUATOR READY" - ACTUATOR MOUNTING FLANGE CONFORMS TO 150



# RED-WHITE VALVE CORP.



WAFER TYPE/LEVER  
Wafer type/gear also available.

LUG TYPE/LEVER  
Lug type/gear also available.

Build your own part number using the legend below. Call or fax in your part number created for immediate pricing. If not in VNS stock we will ship from factory in days.

- Call, extra information and dimensions may be faxed for your help.
- Hot overnight orders welcome.

### LEGEND FOR BUTTERFLY VALVES

**W615** — **B E S L** **SIZE**  
\_(1) (2) (3) (4) (5) (6)

- |                        |  |
|------------------------|--|
| (1) Type Code          | <b>W615:</b> Wafer Type<br><b>L615:</b> Lug Type           |
| (2) Disc Material Code | <b>B:</b> Aluminum Bronze<br><b>M:</b> 316 Stainless Steel |
| (3) Seat Material Code | <b>E:</b> EPDM<br><b>N:</b> Buna-N                         |
| (4) Stem Material Code | <b>S:</b> 420 Stainless Steel                              |
| (5) Operator Code      | <b>L:</b> Lever<br><b>G:</b> Gear                          |
| (6) Pipe Size          | <b>X:</b> No Operator                                      |

#### Sizes

Available  
Lever Control  
2" to 8"

Available  
Gear Box Control  
2" to 12"

#### WORKING PRESSURES

Working Pressure Non-Stock (psi)	Hydraulic Test Pressure (psi)	
	Shell	Seat
200 Buna-N seat 32-158°F		
200 EPDM Seat 32-248°F	300	220

### #5592 (IPS)



#### #5592 (IPS)

125# WSP  
600# WOG  
Brass Body  
Standard Port  
Chrome-Plated Ball  
Teflon Seats  
Blow-Out Proof Stem  
MSS-SP-110

### BRASS/BRONZE BALL VALVES

ORDER #	SIZE
RW400	1/2"
RW401	3/4"
RW402	1
RW403	1-1/4
RW404	1-1/2
RW405	2

### #5044F (IPS)



#### #5044F (IPS)

150# WSP  
600# WOG  
Brass Body  
Full Port  
Chrome-Plated Ball  
Teflon Seats  
Blow-Out Proof Stem  
MSS-SP-110

ORDER #	SIZE
RW406	1/4
RW407	3/8
RW408	1/2"
RW409	3/4"
RW410	1*
RW411	1-1/4*
RW412	1-1/2*
RW413	2*
RW414	2-1/2
RW415	3
RW416	4

### #5044S (IPS)



#### #5044S (IPS)

150# WSP  
600# WOG  
316 Stainless Steel Trim  
Brass Body  
Full Port  
Teflon Seats  
MSS-SP-110

ORDER #	SIZE
-	1/4
-	3/8
RW419	1/2
RW420	3/4
RW421	1
RW422	1-1/4
RW423	1-1/2
RW424	2

### #5049F (CxC)

Brass



#### #5049F (CxC)

150# WSP  
600# WOG  
316 Stainless Steel Trim  
Brass Body, Full Port  
Full Port  
Teflon Seats  
Solder End  
MSS-SP-110

ORDER #	SIZE
RW427	1/2
RW428	3/4
RW429	1
RW430	1-1/4
RW431	1-1/2
RW432	2

### #4550 (IPS)



#### #4550 (IPS)

1000# CWP  
Stainless Steel  
316 S.S. 1-Piece Body  
Reduced Port  
Blow-Out Proof System  
Reinforced Teflon Seats  
MSS-SP-110/FS WW-V-35

ORDER #	SIZE
RW433	1/4
RW434	3/8
RW435	1/2
RW436	3/4
RW437	1
RW438	1-1/4
RW439	1-1/2
RW440	2

### #4880 (IPS)

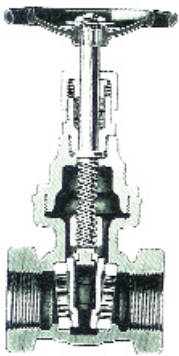


#### #4880 (IPS)

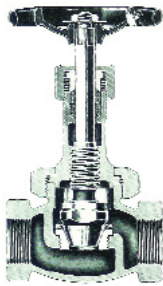
2000# CWP  
Stainless Steel  
316 S.S. 2-Piece Body  
Reduced Port  
Blow-Out Proof System  
Reinforced Teflon Seats  
MSS-SP-110/FS WW-V-35

ORDER #	SIZE
RW441	1/4
RW442	3/8
RW443	1/2
RW444	3/4
RW445	1
RW446	1-1/4
RW447	1-1/2
RW448	2

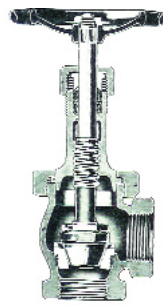
**300# S.P. Valves**



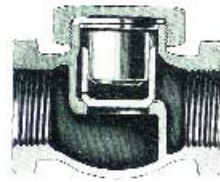
**Fig. 771 Gate Screw Ends**  
1/4" to 3" Single Wedge Disc  
Non-Rising Bronze Stem  
Renewable  
Nickel Alloy Seats and Disc 1" and larger



**Fig. 16-PS Globe Screw Ends**  
1/4" to 3"



**Fig. 17-PS Angle Screw Ends**  
1/4" to 2 1/2"  
Bronze "Renewo" Union Bonnet  
Renewable 500 Brinell Stainless Steel Seat and Disc



**Fig. 1616 Air-Compressor Check Valve**  
1/4" to 2"  
300 lb. Air Pressure  
Hollow Stainless Steel Disc



**Fig. 1837 Grip Lever**  
1/2" to 3/4"



**Fig. 554Y-300 Swing Check Valve**  
Screw Ends  
1/4" to 3"

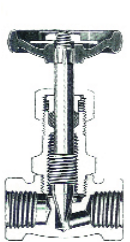
**Fig. 1836 Pull Lever**  
Renewable "N-M-D" (Non-Metallic Disc)  
Stainless Steel Spring and Stem  
150lb. S.P. or W.O.G.



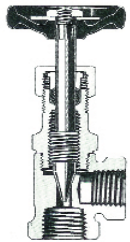
**Plug (PS) Type**

Lunkenheimer	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
771										
16PS										
17PS										
1616										
554Y-300										
1836										
1837										

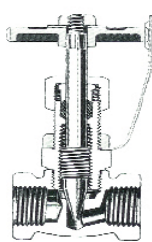
**Bronze Needle Valves (300# S.P.) (400# W.O.G.)**



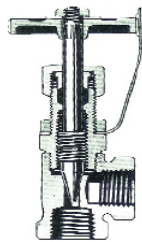
**Fig. 906-BS Angle Bronze Stem**  
1/8" to 1"



**Fig. 907-BS Angle Bronze Stem**  
1/8" to 1"



**Fig. 1565 Globe Bronze Stem with Regulating Wheel and Indicator**  
1/4" to 1/2"



**Fig. 1566 Angle Bronze Stem with Regulating Wheel and Indicator**  
1/4" to 3/8"

**Bar Stock Steel Valves**  
10,000# W.O.G. 150°F



**Fig. 60-100 Globe**  
1/8" to 1"  
Carbon Steel

13% CR  
Stainless Steel  
Stem



**Fig. 60-700 Globe**  
1/8" to 1/2"  
Stainless Steel  
Type 316

	Lunkenheimer				Conbraco	
	Fig. 906-BS	Fig. 907-BS	Fig. 1565	Fig. 1566	Fig. 60-100	Fig. 60-700
1/4"						
3/8"						
1/2"						
3/4"						
1"						



Made of DuPont Teflon

**As a Gasket:** merely position a length within the bolt hole circle and twist ends; then reassemble the flanges in a normal fashion.

**As a Packing:** just wrap a length around the stem to fill the gland and screw on gland follower.

Available Sizes:

- 1/16" D. x 25'
- 1/16" D. x 25'
- 3/32" D. x 25'
- 3/32" D. x 50'
- 5/32" D. x 25'
- 5/32" D. x 50'

**316 Stainless Steel Gate, Globe and Check Valves**

For water and steam service: Sizes 1/2" through 2". High performance and low cost. 200 psi. W.O.G. 350°F S.P. Threaded connections. ANSI B2.1.



125 lb. WSP

Gate Size	Check 805-1806-1	Globe 807-1
1/2"		
3/4"		
1"		
1 1/4"		
1 1/2"		
2"		



**Nibco and Powell IRON VALVES**

Ductile Iron Body Gate Valve  
Outside Screw and Yoke  
316SS Stainless Steel Trim  
Class150

**125 lb. Large Valves, Flanged Ends  
Iron Body Bronze Mounted**



**Fig. 619-Gate**  
2 to 12 inches  
Inside Screw  
Non-Rising Bronze Stem  
Renewable  
Bronze Seats and Disc



**Fig. 617-Gate**  
2 to 24 inches  
Outside Screw and Yoke  
Rising Bronze Stem  
Renewable Bronze Seats  
and Disc



**Fig. 718-Globe**  
2 to 10 inches  
Renewable  
Bronze Seats and Disc



**Fig. 918-Swing Check**  
2 to 4 inches  
Renewable Bronze Seat,  
Disc & Side Plugs  
Fig. 6300AI-All Iron



**F-637-33-Solid Wedge**  
sizes 2" to 4" inches  
Flanged-Raised Face

150# Class  
SS Trim  
ASTM.  
A.395

Nibco	Powell	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F-619	1787	\$ 210.70	\$ 218.40	\$ 245.00	\$ 348.60	\$ 575.40	\$ 575.40	\$ 1,024.10	\$ 1,870.40	\$
2,497.60		F-617	1793	214.90	221.90	247.80	353.50	602.00	602.00	1,030.40
1,814.40	2,492.00									
F-718-B	41	432.60	458.50	529.90	758.10	1,381.10	1,381.10	2,702.70	4,227.30	-
F-918-B	557	154.00	186.34	200.20	314.93	614.24	537.46	1,011.78	1,725.57	3,478.86
F-918-N	159	209.44	250.25	265.65	407.33	695.31	658.46	1,250.48	2,239.16	3,478.86

Ductile Iron

We have hundreds of valves in our stock not shown here. These include I.B.B.M., all iron, threaded, flanged, quick opening, gates, globes, angles, check,s, bronze, iron, forged, cast steel and stainless steel. If you don't see it, ask one of our valve men.

**250 LB. LARGE VALVES, FLANGE ENDS,  
IRON BODY BRONZE MOUNTED**

**250 lb. S.P. 450°F.—500 lb. W.O.G.  
12" and smaller**

**SAFETY NON-RETURN  
BOILER STOP VALVES**



**Fig. F-768-B-Globe**  
2 to 6 inches  
Renewable  
Bronze Seats and Disc



**Fig. F-968-B-Swing Check**  
2 to 4 inches  
Renewable Bronze Seat,  
Disc and Side Plugs



**Fig. F-667-O-Gate**  
2 to 12 inches  
Outside Screw and Yoke  
Rising Bronze Stem  
Renewable  
Bronze Seats and Disc



Fig. 28-E

**STOP CHECK  
VALVES  
CLASS 250  
2½" to 10"**



Fig. 30-E



**Iron-Bronze  
Mounted  
Fig. F-869-B-Angle**  
3 to 8 inches  
450°F.  
250 lb. S.P.

Nibco	Powell	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F-768-B	256									
F-968-B	576									
F-667-O	797									
28-E										
30-E										
F-869-B	LV 1408									

**PHONE FOR QUANTITY PRICES  
OUR MACHINE SHOP REBUILDS GATE, GLOBE AND CHECK VALVES**

## BABBITT SPROCKET RIMS BRING HIGH VALVES WITHIN EASY REACH

The Babbitt Adjustable Sprocket Rim will provide for remote operation of gate, globe and angle valves in high, normally out-of-reach locations. Attaches to valve wheel for instant valve open/close response. Sprocket rim made from cast iron, chain guide is malleable iron. When ordering specify the sprocket and chain number, length and type.

Size No.	VNS #	Dia. of Sprocket Wheel In Inches	Weight In lbs.	Dia of Valve Wheels Rim Will Fit	Chain Size No.	Chain Weight per 100' In lbs.	BRASS CHAIN	RUSTPOOF CHAIN
0	BS027	4	2	2 to 4	0	10		
1	BS028	5 <sup>1</sup> / <sub>8</sub>	4	4 <sup>1</sup> / <sub>8</sub> to 5 <sup>1</sup> / <sub>8</sub>	1-2	17 <sup>1</sup> / <sub>2</sub>		
1 <sup>1</sup> / <sub>2</sub>	BS029	7 <sup>1</sup> / <sub>2</sub>	5	6 to 7 <sup>1</sup> / <sub>2</sub>	2	17 <sup>1</sup> / <sub>2</sub>		
2	BS030	9	8	7 <sup>1</sup> / <sub>4</sub> to 9	2	17 <sup>1</sup> / <sub>2</sub>		
2 <sup>1</sup> / <sub>2</sub>	BS031	12 <sup>1</sup> / <sub>2</sub>	15	9 <sup>1</sup> / <sub>4</sub> to 12 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub> -3 <sup>1</sup> / <sub>2</sub>	30		
3	BS032	15 <sup>1</sup> / <sub>2</sub>	21	12 <sup>1</sup> / <sub>4</sub> to 15 <sup>1</sup> / <sub>2</sub>	3	30		
3 <sup>1</sup> / <sub>2</sub>	BS033	19	25	15 <sup>1</sup> / <sub>4</sub> to 19	3	30		
4	BS034	22	24	19 <sup>1</sup> / <sub>4</sub> to 22	4-5	35		



Quarter Turn  
70-600 Series

**BALL VALVES in Bronze**  
Reinforced Teflon\* Seats and Stuffing box Seals  
150 P.S.I. Saturated Steam Vacuum Service to 29" Mercury



- Bronze Valves — 4000 P.S.I. WOG, Cold, Non-Shock
- Also Available in Stainless Steel

3-Way Valve	
1/2"	CI091
3/4"	CI092
1"	CI093
1 1/2"	CI095
2"	CI096

**BLOW-OUT PROOF STEM DESIGN**  
No lubrication required for life of valve

Deadman Spring Return			
1/4"	-	1"	CI205
3/8"	-	1 1/4"	CI206
1/2"	CI203	1 1/2"	CI207
3/4"	CI204	2"	CI208



FIG. B6561  
Angle Pattern

## SLOW-OPENING TYPE BLOW OFF VALVES

Handwheel operates the valve through gears by a rack and screw mechanism

	B6561 Angle	B6571 Y Pattern
1 1/2"	EV100	EV150
2"	EV101	EV151
2 1/2"	EV102	EV152

### ALWAYS IN STOCK

**How figure 6000 series operates** — These Valves are of the outside Screw and Yoke type. The seat and disc are capable of withstanding the severe erosive flow of blow-down service. While quick opening Valve holds boiler water, the seat and disc can be easily removed for repair without removing the Valve from line.

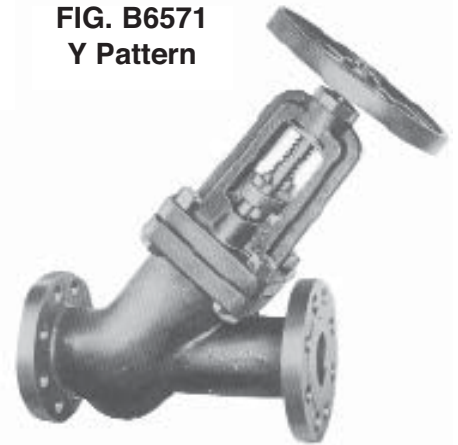


FIG. B6571  
Y Pattern



**LUNKENHEIMER  
BRONZE Y BLOW-OFF VALVE**  
250 LB. S.P. 550°F — 400 LB. W.O.G.

"Renewo" Y Blow-Off  
Fig. 180 Screwed

- 1"
- 1 1/4"
- 1 1/2"
- 2"

Your old blow off valves as well as gate, globe and check valves can be reconditioned in our machine shop. See pages 58 & 59 for more information.

Very often, repair parts for Yarway valves are quite costly and delivery quite long suggesting a new valve be considered.



SINGLE BOILER BLOW OFF VALVES



STRAIGHTWAY VALVE—  
FLANGED  
Iron body, FIG. 3484-R  
Steel body, FIG. 3488-R



ANGLE VALVE — FLANGED  
Iron body, Fig. 3482-R  
Steel body, Fig. 3486-R  
(1 1/2", 2", 3 1/2")

	1	1 1/2	1 1/2	2	2 1/2
YW3482-R1112					
3484-R					
3486-R					
3488-R					

**P.O.A. — Please call with valve and parts needs.**

**EVERLASTING®**  
ROTATING DISC VALVES



**Fig. 4000-A**  
ASA Class - 250lb  
Max Blow-Off Pressure  
ASME Code 200PSI  
Quick Open Screwed

Size	Part #	
1"	<a href="#">EV-4000-A-08</a>	
1 1/4"	<a href="#">EV-4000-A-10</a>	
1 1/2"	<a href="#">EV-4000-A-12</a>	
2"	<a href="#">EV-4000-A-16</a>	
2 1/2"	<a href="#">EV-4000-A-20</a>	

Dimensions:

DIM	1"	1 1/4"	1 1/2"	2"	2 1/2"
F	3 5/8	3 5/8	4 1/2	4 5/8	5 1/4
J	4	4 3/4	5 1/4	5 1/4	6 1/4
L	9	9	12 1/2	18	23
O	55	55	55	60	60
S	1 5/8	1 3/4	2 1/8	2 1/6	2 3/4



**Fig. 4001-A**  
ASA Class - 250lb  
Max Blow-Off Pressure  
ASME Code 200PSI  
Quick Open Flanged

Size	Part #	
1"	<a href="#">EV-4001-A-08</a>	
1 1/4"	<a href="#">EV-4001-A-10</a>	
1 1/2"	<a href="#">EV-4001-A-12</a>	
2"	<a href="#">EV-4001-A-16</a>	
2 1/2"	<a href="#">EV-4001-A-20</a>	

Dimensions:

DIM	1"	1 1/4"	1 1/2"	2"	2 1/2"
F	7 1/2	7 1/2	8 3/8	9	10 3/8
J	4	4 3/4	5 1/4	5 1/4	6 1/4
L	9	9	12 1/2	18	23
O	55	55	55	60	60
S	1 5/8	1 3/4	2 1/8	2 1/6	2 3/4



**Fig. 4060-A**  
ASA Class - 250lb  
Max Blow-Off Pressure  
ASME Code 200PSI  
Slow Open Screwed

Size	Part #	
1"	<a href="#">EV-4060-A-08</a>	
1 1/4"	<a href="#">EV-4060-A-10</a>	
1 1/2"	<a href="#">EV-4060-A-12</a>	
2"	<a href="#">EV-4060-A-16</a>	
2 1/2"	<a href="#">EV-4060-A-20</a>	

Dimensions:

DIM	1"	1 1/4"	1 1/2"	2"	2 1/2"
F	3 5/8	3 5/8	4 1/2	4 5/8	5 1/4
H	8	8	10	10 1/2	10 1/2
J	13	13	14	14	15 1/2
N	9	9 1/2	12	12 1/2	13 1/2
S	5	5	5 1/2	5 1/2	5 1/2
W	9	9	9	9	12



**Fig. 4061-A**  
ASA Class - 250lb  
Max Blow-Off Pressure  
ASME Code 200PSI  
Slow Open Flanged

Size	Part #	
1 1/2"	<a href="#">EV-4061-A-12</a>	
2"	<a href="#">EV-4061-A-16</a>	
2 1/2"	<a href="#">EV-4061-A-20</a>	

Dimensions:

DIM	1 1/2"	2"	2 1/2"
F	8 3/8	9	10 3/8
J	10	10 1/2	10 1/2
L	14	14	15 1/2
O	12	12 1/2	13 1/2
S	5 1/2	5 1/2	5 1/2
W	9	9	12



## BALL VALVES in Bronze, Stainless Steel & Carbon Steel

Reinforced Teflon\* Seats and Stuffing Box Seals  
150 P.S.I. Saturated Steam Vacuum Service to 29" Mercury

Quarter turn  
On - Off



BLOW-OUT  
PROOF STEM  
DESIGN  
No lubrication  
required  
for life of valve

\*150-#WOG

- Bronze Valves — 600 P.S.I.  
WOG, Cold, Non-Shock

### 70-100 Series

BRONZE	
Size	Cat. #
1/2"	CI031
3/8"	CI032
1/2"	CI033
3/4"	CI034
1"	CI035
1 1/4"	CI036
1 1/2"	CI037
2"	CI038
2 1/2"	CI039

### RATINGS

- Carbon Steel Valves — 2000 P.S.I.  
WOG, 1/2" thru 1", 1500 P.S.I. WOG,  
1 1/2" thru 2", Cold, Non-Shock

### 73-100 Series

CARBON STEEL	
Size	Cat. #
1/4"	CI231
3/8"	CI232
1/2"	CI233
3/4"	CI234
1"	CI235
1 1/4"	CI236
1 1/2"	CI237
2"	CI238

- 316 Stainless Steel Valves — 800  
P.S.I. WOG, Cold, Non-Shock

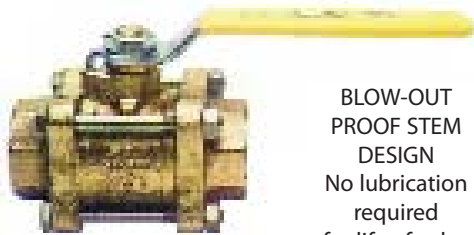
### 76-100 Series

STAINLESS STEEL	
Size	Cat. #
1/4"	CI261
3/8"	CI262
1/2"	CI263
3/4"	CI264
1"	CI265
1 1/4"	CI266
1 1/2"	CI267
2"	CI268
2 1/2"	CI269
3"	CI270



## 3-PIECE — FULL PORT BALL VALVES in Bronze, Stainless Steel & Carbon Steel

Reinforced Teflon\* Seats and Stuffing Box Seals  
150 P.S.I. Saturated Steam Vacuum Service to 29" Mercury



BLOW-OUT  
PROOF STEM  
DESIGN  
No lubrication  
required  
for life of valve

- Bronze Valves — 400 P.S.I.  
WOG, Cold, Non-Shock

### 82-100 Series

BRONZE	
Size	Cat. #
1/4"	CI291
3/8"	CI292
1/2"	CI293
3/4"	CI294
1"	CI295
1 1/4"	CI296
1 1/2"	CI297
2"	CI298
2 1/2"	CI299

- Carbon  
Steel Valves-1000 P.S.I. WOG,

### 82-100 Series

CARBON STEEL	
Size	Cat. #
1/4"	CI331
3/8"	CI332
1/2"	CI333
3/4"	CI334
1"	CI335
1 1/4"	CI336
1 1/2"	CI337
2"	CI338

- 316 Stainless Steel Valves — 800  
P.S.I. WOG, Cold, Non-Shock

### 86-100 Series

STAINLESS STEEL	
Size	Cat. #
1/2"	CI353
3/4"	CI354
1"	CI355
1 1/4"	CI356
1 1/2"	CI357

### Actuator Valves, Information Needed for Oding:

#### 1. Valves Info:

- Bronze
- Carbon Steel
- Stainless Steel

- Threaded
- Flanged
- 125#
- 150#

- Air
- Steam
- Liquid
- Gas

Specify \_\_\_\_\_  
Specify \_\_\_\_\_

Pipe Size \_\_\_\_\_  
Pressure \_\_\_\_\_  
Temperature \_\_\_\_\_  
# of Times Valve will \_\_\_\_\_  
Open Per Hour \_\_\_\_\_

#### 2. Actuator Info:

- Electric:  
Voltage: \_\_\_\_\_
- Nema 4
  - Nema 7
  - Unknown

#### Pneumatic:

Air Supply in PSI \_\_\_\_\_  
(minimum 40, maximum 120)  
Type:  Air Open, Air Close  
 Air Open Spring Close

#### Fail Safe:

- Normally Open-(Air Closes Valve)
- Normally Closed-(Air Opens Valve)



Electronic  
Actuator



## 75-100 Series Bronze Pad Locking Ball Valve

- Threaded, 600 PSIG WOG, Cold Non-Shock.  
150 PSIG Saturated Steam.
- Vacuum Service to 29 inches Hg.
- Federal Specification: WW-V-35C
- Type: II
- Composition: BZ, Style:

Size	Cat. #
1/2"	CI102
3/4"	CI103
1"	CI104
1 1/4"	CI105
1 1/2"	CI106
2"	CI107

### FEATURES

- Chromium plated ball
- Reinforced TFE seats and stuffing box ring
- May be padlocked in open or closed position with no change of hardware.
- Blow-out-proof stem design
- Adjustable packing gland

## "BALL-CONE" CHECK VALVES For steam, water, oil, gas and corrosive applications Install in any line position

"Ball-Cones" provide exceptional flow characteristics . . . gives straight-through streamlined flow with practically no change in pipeline velocity, similar to a swing check valve.

Spring loaded for silent operation.

Large guide clearances tolerate foreign material.



### RATINGS

Designed for 400 PSIG at -20 to 100°F saturated at 353°F.

BRONZE		STAINLESS STEEL	
Size	Cat. #	Size	Cat. #
1/4"	CI001	1/4"	CI021
3/8"	CI002	3/8"	CI022
1/2"	CI003	1/2"	CI023
3/4"	CI004	3/4"	CI024
1"	CI005	1"	CI025
1 1/4"	CI006	1 1/4"	CI026
1 1/2"	CI007	1 1/2"	CI027
2"	CI008	2"	CI028
2 1/2"	CI009		
3"	CI010		

# Vogt FORGED STEEL GATE, GLOBE AND CHECK VALVES



**Vogt Forged Steel GP GATE VALVE**

150-800 Pounds Service  
2000 Pounds C.W.P.

- Round Bolted Bonnet
  - Bolted Gland Outside Screw and Yoke
  - Gasket Joint Solid Wedge
  - \*Hard Faced Seats
- Threaded and Socket Weld Ends

**Series 12111 SW-12111**  
PRESSURE—TEMPERATURE RATINGS

Forged Carbon Steel  
800 Pounds at 850°F  
600 Pounds at 900°F  
2000 Pounds at 100°F



**Vogt Forged METER VALVE**

**Series 58431T**

- Union Bonnet
  - Gasket Joint
  - Screw Gland Integral Seat
  - Inside Screw One-piece Stem
- Carbon Steel

PRESSURE—TEMPERATURE RATINGS

1180 P.S.I., temperature not to exceed 750°F  
4000 P.S.I., temperature not to exceed 100°F



**Vogt Forged Steel GLOBE VALVE**

150-800 Pounds Service  
2000 Pounds C.W.P.

- Round Bolted Bonnet
  - Outside Screw and Yoke Gasket Joint
  - Loose Disc
  - \*Hard Faced Integral Seat
- Threaded and Socket Weld Ends

**Series 12141 SW-12141**  
PRESSURE—TEMPERATURE RATINGS

Forged Carbon Steel  
800 Pounds at 850°F  
600 Pounds at 900°F  
2000 Pounds at 100°F



**Series 701 PISTON CHECK**

**Series B701 BALL CHECK**

**Vogt Forged Steel GP CHECK VALVES**

Horizontal Type Threaded Ends  
150-800 Pounds Service  
2000 Pounds C.W.P.

- Round Bolted Bonnet
  - Gasket Joint
  - \*Hard Faced Integral Seats
- PRESSURE—TEMPERATURE RATINGS

800 Pounds at 850°F  
600 Pounds at 900°F  
2000 Pounds at 100°F



**#54853**

**Combination Horizontal and Vertical Ball Check**

**Vogt Forged CARBON STEEL**

- Union Bonnet
- Gasket Joint
- Integral Seat
- FULL PORT

Carbon Steel Pressure  
600 P.S.I. at 900°F  
TEMPERATURE RATINGS  
2000 P.S.I. at 100°F

Series	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
12111								
12141								
58431T								
701								
B701								
54853								

## Butterfly Valves

Pricing P.O.A.

The SSI series 125WB/LB butterfly valve is available in sizes 2" thru 48", wafer or lug body design. These valves were designed to meet the stringent requirements for HVAC, Oil & Gas and Industrial applications, or wherever positive shut-off is required for liquids, gases and slurries.

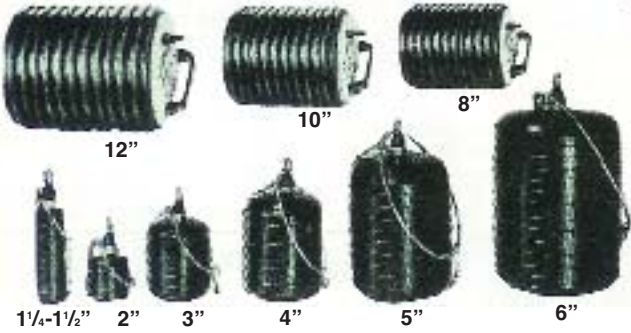
Incorporating a 200 psig pressure rating for sizes 2" thru 12" and 150 psig pressure rating for sizes 14" thru 48" the SSI series 125WB/LB valves are constructed with a cast iron body and stainless steel shafts. The discs and seats are available in a wide range of materials to meet your specific application needs.

The SSI series 125WB/LB butterfly valves are designed and manufactured for use with ANSI 125 or 150 class flanges and comply with API 609 and MSS-SP-67.

SSI can provide the series 125WB/LB butterfly valves mounted with pneumatic actuators, electric actuators, solenoids, limit switches positioners, shaft extensions, 2-way and 3-way tee linkages, and chain wheels.



## TEST-BALL PNEUMATIC TEST PLUGS



TEST-BALL			
Part No.	VNS#	Description	Shipping Weight
273-945	CR041	Complete Unit	4.2 lbs.

TEST-BALL			
Part No.	VNS#	Size	Shipping Weight
270-016	CR001	1 1/2"-1 1/2"	.4 lbs.
270-024	CR002	2"	.3
270-032	CR003	3"	.6
270-040	CR004	4"	.9
270-059	CR005	5"	1.5
270-067	CR006	6"	2.5
041-386	CR008	8"	5.5
041-394	CR010	10"	9.8
041-408	CR012	12"	15.0



**EXTENSION HOSE**  
For 60", 120" & 240"  
Call for prices.



Part No.	Description	Shipping Weight
274-011 CR020	24" Extension Hose	.4 lbs.
274-038 CR021	36" Extension Hose	.05 lbs.

### #1159A Test Plugs



Size	VNS#
2"	CS125
3"	CS126
4"	CS127
5"	CS128
6"	CS129



ECONO PLUG #1714	
1 1/2"	CS124
2"	CS121
3"	CS122
4"	CS120
5"	CS141
6"	CS142

WE ACCEPT:



### Chicago Radiator Nipple Wrench



No. 1167 CS184...

### Ridgid Wrench E-110 RT015...



### Drum Trap Plug Wrench



No. 3014  
CS185...

### P.O. Plug Wrench



CS186  
No. 1169C

### "Speedy" Basin Wrenches



No. 1164...

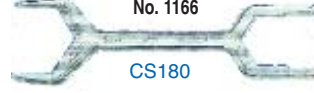
CS181

### Strainer Lock Nut Wrench



No. 1319- CS182

### 3-In-1 Closet Spud Wrench



No. 1166

CS180



### Brass Face Bushings

1197B 1/2" x 3/8" CS021...  
1197 3/4" x 1/2" CS022...

### Samson Force Cup



CS131

### 5-IN-1 Radiator Handle



No. 1214A  
CS101

### Internal Pipe Wrench #200



TIGHTEN OR LOOSEN!

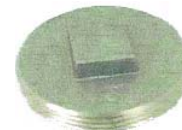
Pipe Size	VNS#
3/8"	CS187
1/2"	CS188
3/4"	CS189
1"	CS190

### Street Key Socket

No. 8233-02- CS111-



## BRASS CLEANOUT PLUGS SQUARE OR COUNTERSUNK HEADS



	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"
1579D Countersunk Heads	RB003 RB004 RB005 RB006 RB007 RB008 RB009 RB010 RB011									
1578D Square Head	RB021 RB022 RB023 RB024 RB025 RB026 RB027 RB028 RB029 RB030 RB031									

## FLUE BRUSHES RECTANGULAR BRUSHES

13399 - 2" x 4" x 6"	SB201
13400 - 2 1/2" x 4 1/2" x 6"	S
13401 - 3" x 5" x 6"	S



## FLUE BRUSH HANDLES



No. 30328 - 3 Ft. Handles	SB113
No. 30488 - 4 Ft. Handles	SB114
No. 30548 - 5 Ft. Handles	SB115
No. 30658 - 6 Ft. Handles	SB116

## Schafer Brush - Round Flue Brushes

VNS#	Flue Size	Act. Brush Dia.	VNS#	Flue Size	Act. Brush Dia.		
43206	SB011	1"	3/4"	43224	SB018	2 1/2"	2 1/2"
43208	SB012	1 1/4"	1"	43226	SB019	3"	2 1/2"
43212	SB013	1 1/2"	1 1/4"	43228	SB020	3 1/2"	3"
43214	SB014	1 3/4"	1 1/2"	43232	SB021	3 3/4"	3 1/4"
43216	SB015	2"	1 3/4"	43234	SB022	3 3/4"	3 1/2"
43218	SB016	2 1/4"	2"	43236	SB023	4"	3 3/4"
43222	SB017	2 1/2"	2 1/4"				

"X" Dimension

## Closet Spuds



### Cast Brass With Washers

4025	CS001	2" x 2" I.P.S. size
4026	CS002	2" x 1 1/2" I.P.S. size
4028	CS004	1 1/2" x 1 1/2" I.P.S. size
4029	CS005	1 1/4" x 1 1/2" I.P.S. size
4030	CS006	1" x 3/4" I.P.S. size

### Repl. Spud Washers Only

7102	CS152	2" Flanged
7101	CS151	1 1/2" Flanged
7100	CS150	1 1/4" Flanged
7105	CS155	1" x 3/4" Flanged

## Waste Connections



MALE		
1041A	CS161	1 1/4" x 1 1/4"
1041D	CS162	1 1/2" x 1 1/2"
1041B	CS163	1 1/2" x 1 1/4"
FEMALE		
1041E	CS164	1 1/4" x 1 1/4"
1041H	CS165	1 1/2" x 1 1/2"
1041F	CS166	1 1/2" x 1 1/4"



**GENERAL PIPE CLEANERS**



Super-Vee



Mini-Rooter



Speedroooter 91



K-4 Closet Auger

SV Super Vee Basic unit Includes Slide-Action Chuck, Vari-Speed motor with reversing Switch. Plastic cartridge (Boxed Wt. 11lbs.)
<b>Super-Vee Units (Complete and ready to operate) include basic unit and:</b> SV-A-WC with case 25' x 1/4" (25HE1), 25' x 3/8" (25HE2) cables, HECS cutter set and 1 additional cartridge, Boxed Wt. 31lbs. SV-B-WC with case 25' x 1/4" (25HE1), 35' x 3/8" (35HE2) cables, HECS cutter set and 1 additional cartridge, Boxed Wt. 34lbs. SV-C-WC with case 50' x 1/4" (50HE1), 35' x 3/8" (35HE2) cables, HECS cutter set and 1 additional cartridge, Boxed Wt. 38lbs. SV-D-WC with case 25' x 5/16" (25HE1-A) cable, Boxed Wt. 25lbs. SV-F-WC with case 25' x 1/4" (25HE1) cable, Boxed Wt. 24lbs. To order without case, deduct \$35. (11lbs.) from above prices, and delete suffix "WC", as SV-A. 220/230 & 240Volt / 50Hz units are available. Prices on request.
G-Mr Mini-Rooter Basic unit includes MR-200 Drum, 1/3 hp Motor with Reverse Switch, 10' Power Cord, Ground Fault Interrupter, Water proof Air foot switch and Leather Gloves Boxed Wt. 43lbs. G-Mr-J Mini-Rooter Basic unit same as above, except equipped with MR-250 small drum instead of MR-200drum. Boxed Wt. 42lbs.
The following units, which are COMPLETE AND READY TO OPERATE, consist of Min-Rooter (basic unit) and equipment as indicated. G-MR-A with 50' x 3/8" cable (50EM2) and MRCS cutter set. Boxed Wt. 59lbs. G-MR-B with 75' x 3/8" cable (75EM2) and MRCS cutter set. Boxed Wt. 68lbs. G-MR-C with 50' x 1/2" cable (50EM3) and MRCS cutter set. Boxed Wt. 68lbs. G-MR-D with 75' x 1/2" cable (75EM3) and MRCS cutter set. Boxed Wt. 80lbs. 220/230 & 240Volt / 50Hz units are available. Prices on request.
J50 J-Drum with 50' x 1/4" cable (50HE1) installed. (No machine) Boxed Wt. 21lbs. If you want a J50 in addition to complete unit, add suffix "J50", as G-MR-B-J50. J50A J-Drum with 50' x 5/16" cable (50HE1-A) installed. (No machine) Boxed Wt. 24lbs. If you want a J50A in addition to complete unit, add suffix "J50A", as G-MR-B-J50A. J80A Dual Drum with 25' x 1/4" cable (25HE1) and 50" x 5/16" cable with connector (50HE1-AC) installed. (No machine) Boxed Wt. 30lbs. If you want a J80A in addition to complete unit, add suffix "J80A", as G-MR-B-J80A.
G-S90 Speedroooter 90 Basic unit includes 1/2hp Capacitor Motor, Large Drum, Ground Fault Interrupter, Water-proof Air Foot Switch, 20' Power Cord, and leather gloves. Boxed Wt. 121lbs.
The following units, which are COMPLETE AND READY TO OPERATE, consist of Speedroooter 90 (basic unit), Power Feed, and equipment as indicated. G-PS91-A with one 100' x 3/4" cable (100EM5); one 100' x 1/2" cable (100EM3) in small drum; and COCS combination cutter set. Boxed Wt. 312lbs. G-PS91-B with one 75' x 3/4" cable (75EM5) and SRCS cutter set. Boxed Wt. 214lbs. G-PS91-C with one 100' x 3/4" cable (100EM5) and SRCS cutter set. Boxed Wt. 242lbs. G-PS91-E with one 100' x 5/8" cable (100EM4) and SRCS cutter set. Boxed Wt. 220lbs. To order without Power Fee, deduct \$228.00 (9lbs) from above prices and delete prefix "P" as G-S90A. With 3/4 HP motor, add \$60.00 to the above prices and add prefix "3/4 HP" as 3/4HP G-P-S91-E. 220/230 & 240Volt / 50Hz units are available. Prices on request.
KR-A Kinetic Water Ram, complete with caulking hose, 4" rubber cone, and five rubber plugs. Boxed Wt. 11lbs. KR-A-WC, Same as above, plus carrying case. Boxed Wt. 20lbs. KR-C-WC, Same as KR-A-WC, plus KR-CA closet attachment. Boxed Wt. 21lbs. KR-D-WC, Same as KR-B-WC, plus KR-CA closet attachment. Boxed Wt. 27lbs.

**Kinetic Water Ram**

**...Opens clogged Pipes with Shock Action!**

Here is a compact, lightweight tool for quickly opening clogged sinks, closet and pipes. It handles rust, grease, sediment, and scale in lines up through 4" in diameter.

The Kinetic Water Ram uses a burst of compressed air that drives a shock wave (kinetic energy) through water to break up a stoppage. It's particularly useful when the stoppage is on the far side of a drum trap or series of tight bends, since the shock wave can travel around bends without losing its force.

The Ram has a self contained pump and pressure gauge, so you can hit the stoppage with just the right amount of force. You get instant impact with no build-up of pressure in the plumbing system. The force is transmitted through water, so it's not affected by stacks and vents.

A closet attachment (#KR-CA) is available. It screws onto the front of the Ram and enables you to position the cone in the bowl to get a tighter seal. As a result, you can strike the blockage with greater impact and no splash back.



**Simple to Operate  
Anyone can use it.**



1-Pump up 2-Insert in drain 3-Snap trigger

**Kollmann Pipe and Drain Cleaning Machines**

**No. K-39-5 Portable Electric Drain Cleaner**

Speed-cleans small diameter drain lines without removing trap or cross bars. The power unit (115V, 25-60Hz) has a variable speed motor (0-500 rpm) with forward-reverse switch. Recommended for wash basins, laundry tubs, sinks, bath tubs, closets and shower stalls. With 5/16" x 25' music wire bulb auger cable. Complete with metal carrying case, 3/8" x 35' cable with 5/8" male coupling, coupling pin key, bulb auger, grease cutter and drop head auger. Double insulated for safety.  
K-39-5 Complete



**Kollmann 5/16" Cable**

- C-1 5/16" x 25' Cable with Bulb Auger
- C-2 5/16" x 25' Cable with Drop Head Auger

**Kollmann 3/8" Cable**

- C-4 3/8" x 25' Cable with 5/8" Male Coupling
- C-5 3/8" x 35' Cable with Bulb Auger
- C-6 3/8" x 35' Cable with 3/8" Male Coupling

**Kollmann 5/8" Cable**

- C-7 5/8" x 7 1/2" Tight Wind Cable
- C-8 5/8" x 7 1/2" Open Wind Cable

**End Pipe Wrench**



- 31055 8" End Pipe Wrench
- 31060 10" End Pipe Wrench
- 31065 12" End Pipe Wrench
- 31070 14" End Pipe Wrench
- 31075 18" End Pipe Wrench
- 31080 24" End Pipe Wrench
- 31085 36" End Pipe Wrench

**Straight Pipe Wrench**

- 31005 8" Straight Pipe Wrench
  - 31010 10" Straight Pipe Wrench
  - 31015 12" Straight Pipe Wrench
  - 31020 14" Straight Pipe Wrench
  - 31025 18" Straight Pipe Wrench
  - 31030 24" Straight Pipe Wrench
  - 31035 36" Straight Pipe Wrench
- Aluminum Handle Straight Pipe Wrench**
- 31090 10" Aluminum Straight Pipe
  - 31095 14" Aluminum Straight Pipe
  - 31100 18" Aluminum Straight Pipe
  - 31105 24" Aluminum Straight Pipe
  - 31110 36" Aluminum Straight Pipe

**Raprench**

- 31395 10" Raprench



**Heavy-Duty Pipe Wrenches**



**Offset Pipe Wrenches**



- 89435 14" Heavy-Duty Offset Pipe Wrench
- 89440 18" Heavy-Duty Offset Pipe Wrench
- 89445 24" Heavy-Duty Offset Pipe Wrench

**Straight Hex Wrench**



- 31275 14.5" Straight Hex Wrench
- 31280 20" Straight Hex Wrench