



**POLYPROPYLENE SINGLE UNION BALL VALVES-125 PSI**

NPT	
1/2"	60409
3/4"	60410
1"	60411
1 1/4"	60412
1 1/2"	60413
2"	60414
3"	60415



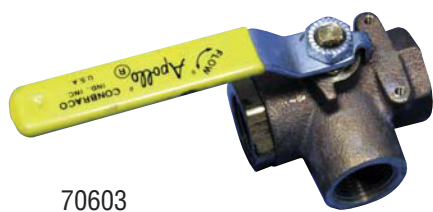
**BRASS BALL VALVES FULL PORT 600 PSI**

NPT	
1/4"	70101
3/8"	70102
1/2"	70103
3/4"	70104
1"	70105
1 1/4"	70106
1 1/2"	70107
2"	70108



**BRASS 3-WAY BALL VALVES 400 PSI**

NPT	
1/2"	70603
3/4"	70604
1"	70605
1 1/4"	70606
1 1/2"	70607
2"	70608



**STAINLESS STEEL BALL VALVES-FULL PORT - 1000 PSI**

NPT	
1/2"	78-12
3/4"	78-34
1"	78-100
1 1/4"	78-114
1 1/2"	78-112
2"	78-200



**GATE VALVE - 150 PSI**

NPT	
1/2"	GV12
3/4"	GV34
1"	GV100
1 1/4"	GV114
1 1/2"	GV112
2"	GV200



**CHROMED BRASS BALL VALVE BUTTERFLY HANDLE 300 PSI**

Female by Female	
NPT	
1/4"	90FFB14
3/8"	90FFB38
1/2"	90FFB12
Male by Female	
NPT	
1/4"	90FMB14
3/8"	90FMB38





## LIQUID FILLED PRESSURE GAUGES



**Series WGGSS**  
304 stainless steel case, stainless steel tube, stem and internals, white enameled aluminum dial face, black enameled aluminum pointer, acrylic window glycerin filled, built-in restrictor.

2 1/2" All Stainless Steel, Liquid Filled, 1/4" Bottom Stem

Part No.	Graduation			PSI Range
	Number	Major	Minor	
WGGSS100	10	10	2	0-100
WGGSS600	10	10	2	0-600
WGGSS1000	20	20	5	0-1000



**Series GG**  
304 stainless steel case, bronze tube, brass stem and internals, white enameled aluminum dial face, black enameled aluminum pointer, acrylic window, liquid filled, built-in restrictor.

2 1/2" Stainless Steel, Liquid Filled, Brass Internals, 1/4" Bottom Stem

Part No.	Graduation			PSI Range
	Number	Major	Minor	
GG30	5	5	.5	0-30
GG60	10	10	1	0-60
GG100	10	10	2	0-100
GG160	20	10	2	0-160
GG200	20	20	5	0-200
GG300	50	50	10	0-300
GG400	50	50	10	0-400
GG600	100	100	20	0-600
GG1000	200	100	20	0-1000
GG1500	300	300	50	0-1500
GG2000	200	200	50	0-2000
GG3000	500	500	100	0-3000

## SPRAY NOZZLE VALVE

Accepts standard TeeJet® nozzles, caps and adapters.



Size		Item No.
Inlet	Outlet	
1/4" MNPT	11/16"-16 Male Thread	025-4MMN-BT

## ONE WAY BRASS BALL VALVES

Engineered for economical general purpose use. Single direction flow. Maximum operating pressure 500 PSI, maximum operating temperature 180° F. Plated metal handle. Plated brass ball. Teflon seat. Buna-N seals.



Size		Item No.
Inlet	Outlet	
1/4" FNPT	1/4" FNPT	025-4F4F-BT
1/4" FNPT	1/4" MNPT	025-4F4M-BT

## RATCHET VALVES



Ratchet handle with return spring permits remote operation of spray booms with the use of a small rope. One pull opens the valve, one pull closes the valve. Cast iron valve has stainless steel stem and ball with teflon seats.

- #1604CSW     1/2" NPT Valve
- #1606CSW     3/4" NPT Valve
- #1608CSW     1" NPT Valve

## GAUGE DAMPER



**Model 2404-0047**  
For use with all standard gauges where pulsation and vibration may be encountered. A gauge damper will reduce pulsation from pump to provide more accurate gauge readings. Stem size 1/4" NPT (M).



## 2-WAY ELECTRIC CONTROL BALL VALVES

344B shut-off ball valves are available with E or EC series motors with cable or DIN electrical connections.

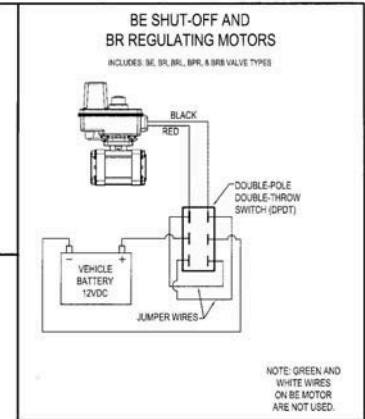
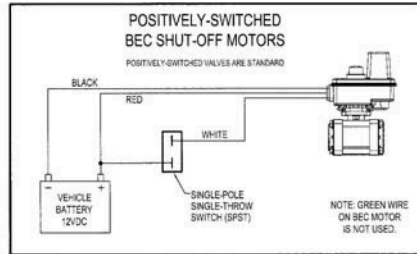
### 344B DirectoValve® Shutoff Valve

- 25 RPM, 0.6 second shut-off fully open to close.
- Flexible inlet/outlets provide quick simple plumbing for a single valve.
- Stainless steel stem with optional polypropylene or stainless steel ball.
- Maximum pressure rating is 300 PSI.



- The flow rate for the 344B 2-way valves is 32 GPM flow rate with 5 PSI pressure drop.
- Wetted parts are nylon, Teflon®, polypropylene and Viton®.

Valve Model Numbers	
BEC Motor	
3/4"	344BEC-23-C
1"	344BEC-24-C
BE Motor	
3/4"	344BE-23-C
1"	344BE-24-C



Wiring Chart for BE & BEC Motors			
DIN Terminal	Wire Color	BEC Motor	BE Motor*
1	Red	Constant +12VDC	+12VDC to Open
2	White	Switched +12VDC	Not Used
3	Green	Not Used	Not Used
Flat	Black	Ground	-12VDC to Open

\*Note: For BE Motors reverse polarity to close. Requires DPDT Switch.

## MOTORIZED BALL VALVES



99 Series motorized ball valves from KZCO

- Sizes from 3/4" to 2" NPT.
- Wide variety of motor speeds from 1/2 second to 20 seconds closing time.
- Heavy duty construction.
- Totally sealed, waterproof power head.

# THREAD SEALANTS



### TEFLON TAPE - 1/2" x 520"

Seals pipe thread connections on brass, galvanized or stainless steel. Not recommended for nylon or polypropylene.

**Item #1252**

### RECTOR SEAL #5

Pipe thread compound. Recommended thread sealant for galvanized, brass, stainless steel, nylon and other materials. Slow drying for easier workability.

- 16 oz. can      #RS5**
- 4 oz can        #25631**
- 1.75 oz. tube   #25780**

### 5200 - MARINE ADHESIVE SEALANT

Forms a semi-permanent seal. Ideal for hard-to-seal nylon fittings.

- 10 oz. tube    #5200-10**
- 3 oz. tube     #5200-3**

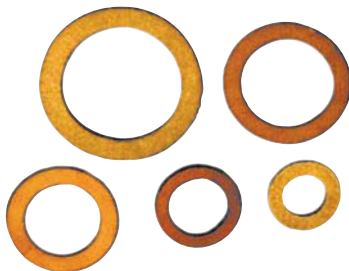
### LOCTITE 567 PST

Pipe sealant with teflon and Loctite Primer N. Recommended for sealing stainless steel fittings.

- 50 ml tube, 567 Sealant      #56747**
- 250 ml tube, 567 Sealant    #56765**
- 4.5 oz. Aerosol, Primer N 7649 #21348**

# WASHERS

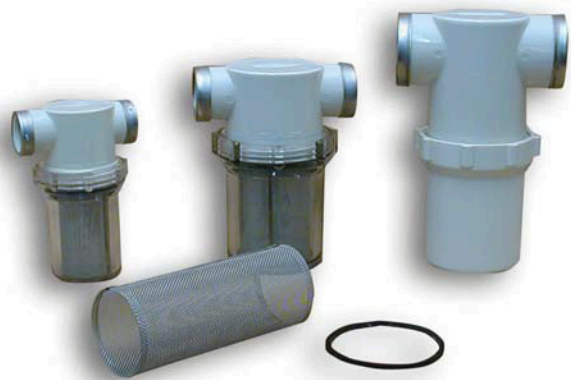
Leather and neoprene washers for gasket type fittings. Garden hose, suction couplers, hydrant adapters, etc.



Coupling Size	Washer O.D.	Leather Washer	Neoprene Washer
3/4"	1 1/16"	KLW5	KNW5
1"	1 1/4"	KLW10	KNW10
1 1/4"	1 5/8"	KLW15	KNW15
1 1/2"	1 7/8"	KLW20	KNW20
2"	2 3/8"	KLW25	KNW25
2 1/2"	3 1/4"	KLW30	KNW30



## HYPRO LINE STRAINERS



### Specifications

Strainers are available in 1/2", 3/4", 1", 1-1/4" and 1-1/2" NPT internal threads. A white bowl is standard and a clear polyamide bowl is optional.

The cap and bowl are made of nylon 6. (Designate the optional clear polyamide bowl by adding a "P" suffix to the model number.) Screens come in 20 or 50 mesh stainless steel. Buna-N or Viton gaskets are available.

NPT Threads	Model Number	Screen	Gasket	Parts List			
				Cap	Bowl	Screen	Gasket
3/4"	3350-0132	20SS	Viton	3351-0006	Clear Bowl	3800-0029	1700-0045
	3350-0040	20SS	Buna-N	3351-0006	3351-0015	3800-0029	1700-0044
	3350-0034	50SS	Buna-N	3351-0006	White Bowl	3800-0025	1700-0044
	3350-0044	50SS	Viton	3351-0006	3351-0005	3800-0025	1700-0045
1"	3350-0057	20SS	Buna-N	3351-0014	Clear Bowl	3800-0040	1700-0057
	3350-0060	20SS	Viton	3351-0014	3351-0024	3800-0040	1700-0058
	3350-0058	50SS	Buna-N	3351-0014	White Bowl	3800-0041	1700-0057
	3350-0061	50SS	Viton	3351-0014	33511-0013	3800-0041	1700-0058
1-1/4"	3350-0071	20SS	Buna-N	3351-0016	Clear Bowl	3800-0043	1700-0057
	3350-0074	20SS	Viton	3351-0016	3351-0024	3800-0043	1700-0058
	3350-0072	50SS	Buna-N	3351-0016	White Bowl	3800-0044	1700-0057
	3350-0075	50SS	Viton	3351-0016	3351-0013	3800-0044	1700-0058
1-1/2"	3350-0112	20SS	Buna-N	3351-0026	Clear Bowl	3800-0065	1700-0057
	3350-0115	20SS	Viton	3351-0026	351-0024	3800-0065	1700-0058
	3350-0113	50SS	Buna-N	3351-0026	White Bowl	3800-0066	1700-0057
	3350-0116	50SS	Viton	3351-0026	3351-0013	3800-0066	1700-0058

\*Add "P" suffix to the part # for Clear polyamide bowl\*

## TEEJET LINE STRAINERS

### AA126ML

#### Features

- Strainer head and bowl are made of polypropylene with EPDM gasket.
- Screens are made of 304 stainless steel with color-coded polypropylene frames and are removable for cleaning
- Removeable cap and gasket for flush-out or self-cleaning operation
- Integral mounting provision allows the strainer to be attached to machine using M8 or 5/16" diameter bolts.
- Maximum operating pressure: 200



Strainer	NPT	Mesh Size
AA126ML	-3 (3/4" NPT)	-16
		-30
		-50
AA126ML	-4 (1" NPT)	-16
		-30
		-50
AA126ML	-5 (1 1/4" NPT)	-16
		-30
		-50
AA126ML	-6 (1 1/2" NPT)	-16
		-30
		-50

**1-800-247-4998**



## COMPACT LIQUID STRAINER

### No. 122 Compact Liquid Strainer

The compact size of the 122 line strainer makes it well suited for turf sprayers. The 122 is constructed of polypropylene for excellent chemical resistance and is available in 1/2" or 3/4" (F) connections. The maximum pressure rating is 150 PSI.

Features:

- Glass reinforced polypropylene head and bowl.
- 304 stainless steel screen.
- Viton gasket standard.

**How to order:** Specify strainer no., mesh size.  
Example: AA122-3/4-PP-50.



## LINE STRAINERS

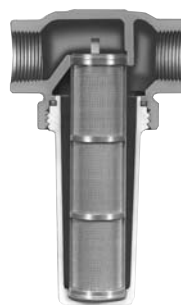
### No. 124 Line Strainers

Strainer heads are available in polypropylene and aluminum. Bowl is either polypropylene or nylon. Each strainer includes stainless steel screen (with polypropylene frames on 3/4" to 1 1/2" sizes). Maximum temperatures up to 100°F. Viton o-ring supplied with 3/4" and 1" models. Buna-N gaskets supplied with 1 1/4" and 1 1/2" sizes. Viton optional.

**How to order:** Specify strainer number, mesh size, material.

Example: AA124A-1-PP-30

To order screen only, specify screen number.  
Example: CP15941-1



Screen Mesh Openings		
Mesh Size	Color	Size of Opening
16	Gray	.045"
30	Yellow	.021"
50	Red	.011"

## STRAINERS & STRAINER PARTS

Strainer	NPT	Material	Mesh Size	Screen	O-Ring	Max. PSI
122	1/2" 3/4"	(PP) Polypropylene	16	CP23174-1	Std. Viton CP23173-VI Opt. EPDM CP23173-EPR	150
			30	CP23174-2		
			50	CP23174-3		
124A	3/4" 1"	(PP) Polypropylene (AL) Aluminum/Nylon	16	CP16903-1	Std. Viton CP7717-2-226-VI CP7717-2-226-EPR	PP-75 AL-150
			30	CP16903-3		
			50	CP16903-4		
124	1 1/4" 1 1/2"	(NY) Nylon (AL) Aluminum/Nylon	8	CP12290-5-SS	Std. Buna CP12291-BU Opt. Viton CP12291-VI	NY-75 AL-150
			16	CP15941-1		
			30	CP15941-2		
			50	CP15941-3		
124	2"	(AL) Aluminum	10	CP14634-6-SS	Std. Buna CP14633-Bu	150
			16	CP14634-1-SS		
			30	CP14634-2-SS		
			50	CP14634-3-SS		



## QUICK COUPLERS - BRASS AND STAINLESS STEEL

Open – ST Series is ideal where maximum flow is required.  
Smooth open bore offers low pressure drop and is easy to clean.



Coupler \ NPT		1/4"	3/8"	1/2"	1/2"	3/4"	3/4"	1"
		FEM	FEM	FEM	MALE	FEM	MALE	FEM
Female Coupler	Brass	BST-2	BST-3	BST-4		BST-6	BST-6M	BST-8
	Stainless		SST-3	SST-4		SST-6		
Male Nipple	Brass	BST-N2	BST-N3	BST-N4	BST-N4M	BST-N6		BST-N8
	Stainless		SST-N3	SST-N4	SST-N4M	SST-N6	SST-N6M	

Brass and stainless steel couplers are compatible.



**Shutoff - 60 Series** are ideal for quick disconnect of spray gun from hose. Coupler & nipple incorporate check valves to minimize fluid loss when coupling is disconnected.

Coupler \ Female NPT	1/4"	3/8"	1/2"
	60 Series		
Female Coupler Shut-off	BH2-60	BH3-60	BH4-60
Male Nipple Shut-off	BH2-61	BH3-61	BH4-61



## HYDRAULIC SWIVEL ADAPTERS



Swivel for installation only  
- Not a "live" swivel.

NPT \ Length	Straight	Straight	45°	45°	90°
	42 Series M X F	23 Series F X F	35 Series M X F	37 Series F X F	44 Series M X F
1/4"	42-4-4				44-4-4
3/8"		23-6-6			
1/2"	42-8-8	23-8-8	35-8-8		44-8-8
3/4"	42-12-12	23-12-12	35-12-12	37-12-12	44-12-12
1"	42-16-16	23-16-16	35-16-16	37-16-16	44-16-16

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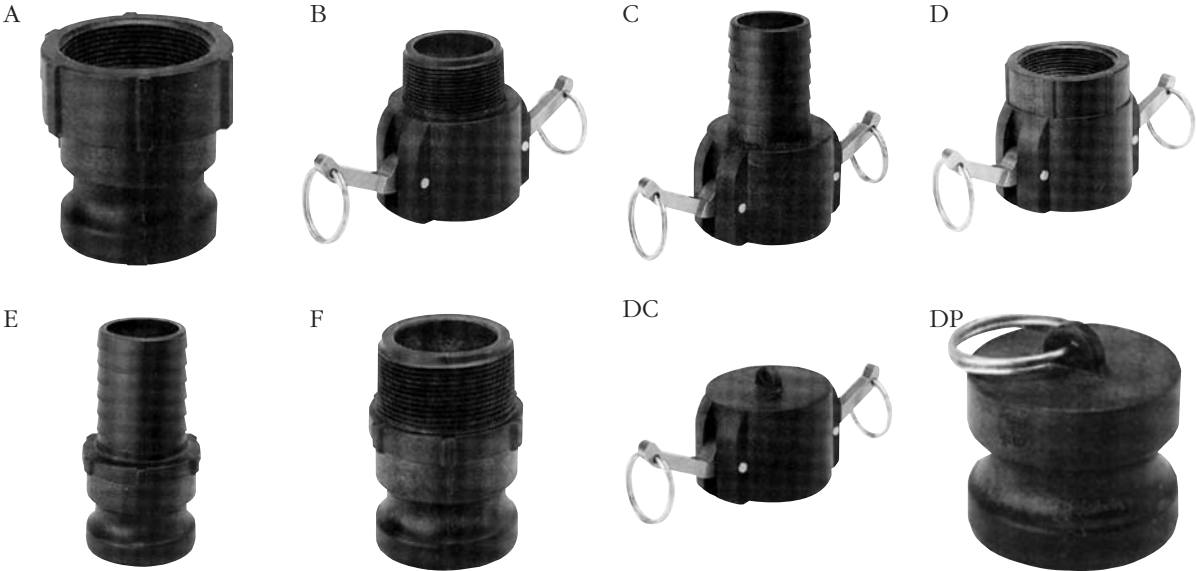


## CAM ACTION COUPLERS & ADAPTERS

**FEATURES:**

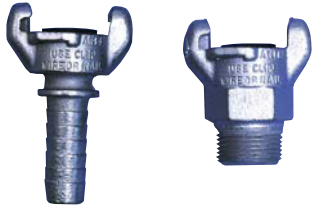
- Manufactured from glass reinforced polypropylene.
- Smooth operating 304 stainless steel cam arms and pins.
- Standard with EPDM gaskets.
- Interchangeable with other couplers & adapters.
- Pressure rating: 125 PSI.

ITEM	DESCRIPTION	NPT SIZE AND PART NO.					
		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	Male Adapter - Female Thread	61199	61207	61215	61223	61231	61239
B	Female Coupler - Male Thread	61255	61259	61263	61267	61271	61275
C	Female Coupler - Hose Shank	61256	61260	61264	61268	61272	61276
D	Female Coupler - Female Thread	61257	61261	61265	61269	61273	61277
E	Male Adapter - Hose Shank	61203	61211	61219	61227	61235	61243
F	Male Adapter - Male Thread	61204	61212	61220	61228	61236	61244
DC	Dust Cap for Male Adapter	61258	61258	61266	61274	61274	61278
DP	Dust Plug for Female Coupler	61214	61214	61222	61238	61238	61246
	Replacement Gasket	61570	61570	61571	61572	61572	61574



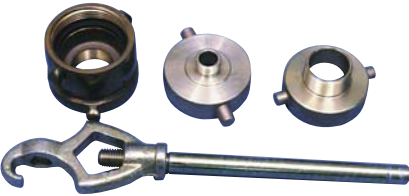
NOTE: 1/2" and 3/4" cam fittings are compatible. 1 1/4" and 1 1/2" cam fittings are compatible.

## AIR KING - UNIVERSAL COUPLINGS



Male NPT	
3/4"	AM7
1"	AM12
Hose Barb	
3/4"	AM6
1"	AM11

## HYDRANT ADAPTERS - BRASS



Adjustable Hydrant Wrench #AHW

Male Thread	2 1/2" NST Female Hydrant	Swivel 2 1/2" NST Female Hydrant
3/4" GHT	HA2576	
1" NPT	HA2510T	
1 1/2" NPT	HA2515T	RSF25F15T
2" NPT	HA2520T	RSF25F20T



**MALE NPT x HOSE BARB STRAIGHT - NYLON**



BARB \ NPT	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
1/4"	A1814	A1414	A3814	A1214	A3414				
3/8"	A1838	A1438	A3838	A1238	A3438				
1/2"		A1412	A3812	A12	A3412				
5/8"			A3858	A1258	A3458				
3/4"				A1234	A3434	A10034	A11434		
1"				A12100	A34100	A100	A114100		
1 1/4"						A100114	A114	A112114	
1 1/2"							A114112	A112	
2"									A200

**MALE NPT x HOSE BARB STRAIGHT - BRASS**



BARB \ NPT	1/8"	1/4"	3/8"	1/2"	3/4"	1"
1/8"	A1818B	A1418B				
1/4"	A1814B	A1414B	A3814B			
3/8"	A1838B	A1438B	A3838B	A1238B	A3438B	
1/2"		A1412B	A3812B	A12B	A3412B	
3/4"				A1234B	A3434B	
1"				A12100B	A34100B	A100B

**MALE NPT x HOSE BARB - STEEL - LONG SHANK**



KHN SERIES HOSE BARB ADAPTERS				
Hose Barb	Male NPT Pipe Thread Size			
	1/4"	3/8"	1/2"	3/4"
3/8" Single	KHN321	KHN331	KHN341	
Double	KHN322	KHN332	KHN342	
1/2" Single		KHN431	KHN441	
Double		KHN432	KHN442	KHN462
5/8" Single			KRN541	
Double			KRN542	
3/4" Single				KHN661
Double			KHN642	KHN662
1" Single				
Double				KHN862

**FEMALE NPT SWIVEL (GASKETED) x HOSE BARB - BRASS**



BARB \ NPT	1/4"	3/8"	1/2"	3/4"	1"
1/4"	BCF72PT				
3/8"	BCF72PT38	BCF73PT			
1/2"			BCF74PT	BS446	
3/4"				BS646	
1"					BCF77PT



## KING NIPPLES - STEEL



NPT BARB	3/4"	1"	1 1/4"	1 1/2"	2"
3/4"	STC5	STC0510			
1"	STC1005	STC10	STC1015		
1 1/4"		STC1510	STC15	STC1520	
1 1/2"			STC2015	STC20	STC2025
2"				STC2520	STC25

## SUCTION COUPLING - GASKETED COUPLINGS WITH SWIVEL NUT

Plated Iron - Short Shank



	Hose Barb			
	1"	1 1/4"	1 1/2"	2"
Male Thread	S10	S15	S20	S25
Female Swivel - Iron	S12	S17	S22	S27
Female Swivel - Brass	SB12	SB17	SB22	SB27
Neoprene Washer	KNW10	KNW15	KNW20	KNW25
Leather Washer	KLW10	KLW15	KLW20	KLW25

## MALE NPT X HOSE BARB - 90° ELBOW - NYLON



NPT BARB	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
1/4"	EL1814	EL14	EL3814	EL1214					
3/8"	EL1838	EL1438	EL38	EL1238	EL3438				
1/2"		EL1412	EL3812	EL12	EL3412	EL10012			
5/8"		EL1458	EL3858	EL1258	EL3458				
3/4"				EL1234	EL3434	EL10034	EL11434		
1"				EL12100	EL34100	EL100	EL114100		
1 1/4"							EL114		
1 1/2"							EL114112	EL112	
2"									EL200

## HOSE MENDERS



Barb	Nylon	Nylon Reducing	Brass	Steel Long Shank	Band-It
1/4"	SHM14		HM14B		
3/8"	SHM38	HM3814	HM38B	HM38G	F-108
1/2"	SHM12	SHM1238	HM12B	HM12G	F-110
5/8"	SHM58	HM5838 SHM1258		HM58G	
3/4"	SHM34			HM34G	F-114
1"	SHM100			HM100G	
1 1/4"	SHM114				
1 1/2"	SHM112			HM112G	
2"	SHM200				



Band-it Style Hose Menders and KS Series Hose Clamps are a great combination for PVC Spray Hose repairs.



**GARDEN HOSE THREAD x HOSE BARB**

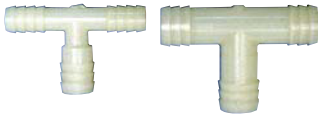


Brass      Steel      Green Garde

HOSE BARB	BRASS		PLATED STEEL		GREEN GARDE (High Pressure)	
	3/4" MALE GHT	3/4" GHT FEMALE SWIVEL	3/4" GHT MALE	3/4" GHT FEMALE SWIVEL	3/4" GHT MALE	3/4" GHT FEMALE SWIVEL
3/8"	BCM73	BCF73	SS317	SS347		
1/2"	BCM74	BCF74	SS417	SS447	38941	38940
5/8"	BCM75	BCF75			38944	38943
3/4"	BCM76	BCF76	SS617	SS647	38947	38946

Washers for GHT Fittings: Neoprene Washer KNW5      Leather Washer KLW5

**HOSE BARB TEES - NYLON**



Hose Barb Tee	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"
Reducing Tee			T1438	T1238	T3858	T3412	
Hose Barb Tee	1 1/4"	1 1/2"	2"				
	T114	T112	T200				

**GARDEN HOSE THREAD ADAPTERS - 3/4 GHT x NPT**



GF12MB    GF34FB    GSF34FB    GM12MB    GM12FB

3/4" GHT	NPT						
	1/4" Fem	3/8" Male	3/8" Fem	1/2" Male	1/2" Fem	3/4" Male	3/4" Fem
Nylon Male GHT				GM12M		GM34M	
Brass Male GHT	GM14FB	GM38MB		GM12MB	GM12FB	GM34MB	GM34FB
Brass Female GHT				GF12MB	GF12FB		GF34FB
Brass Swivel Fem GHT					GSF12FB		GSF34FB



## NPT NIPPLES - NYLON



NPT	Close
1/8"	M18
1/4"	M14
3/8"	M38
1/2"	M12
3/4"	M34
1"	M100
1 1/4"	M114
1 1/2"	M112
2"	M200

## STANDARD NIPPLES - BRASS



Hex Nipple

NPT \ Length	Hex Nipple	Close	1 1/2"	2"	2 1/2"	3"	4"	6"
1/8"	HN18B	M18B						
1/4"	HN14B	M14B	M14X112B			M14X300B		
3/8"	HN38B	M38B				M38X300B		
1/2"	HN12B	M12B						
3/4"	HN34B	M34B		M34X200B	M34X212B	M34X300B	M34X400B	M34X600B
1"		M100B						
1 1/4"		M114B						
1 1/2"		M112B						
2"		M200B						

## STANDARD NIPPLES - GALVANIZED



NPT \ Length	Close	1 1/2"	2"	2 1/2"	3"	3 1/2"	4" or 4 1/2"	5"	6"
1/8"		M18X112G			M18X300G				
1/4"	M14G	M14X112G	M14X200G	M14X212G	M14X300G		M14X400G		
3/8"	M38G	M38X112G	M38X200G		M38X300G		M38X412G		
1/2"	M12G	M12X112G	M12X200G		M12X300G		M12X400G		
3/4"	M34G		M34X200G	M34X212G	M34X300G	M34X312G	M34X400G	M34X500G	M34X600G
1"	M100G		M100X200G		M100X300G	M100X312G	M100X400G	M100X500G	M100X600G
1 1/4"	M114G				M114X300G	M114X312G	M114X400G	M114X500G	
1 1/2"	M112G				M112X300G		M112X400G		
2"	M200G			M200X212G	M200X300G			M200X500G	

## STANDARD NIPPLES - STAINLESS STEEL



NPT \ Length	Close	1 1/2"	2" + 2 1/2"	3" + 3 1/2"	4"	5"	6"
1/4"	M1478SS	M14112SS					
3/8"	M38100SS						
1/2"	M12118SS	M12112SS		M12300SS	M12400SS		
3/4"	M34138SS		M34200SS	M34312SS		M34500SS	M34600SS
1"	M100112SS		M100200SS	M100300SS	M100400SS	M100500SS	
1 1/4"	M114158SS		M114200SS	M114300SS		M114500SS	M114600SS
1 1/2"	M112134SS		M112200SS	M112300SS	M112400SS		M112600SS
2"	M200200SS		M200212SS	M200300SS	M200400SS	M200600SS	



## REDUCING NIPPLES-BRASS



NPT	1/4"	3/8"	1/2"
3/8"	RN3814B		
1/2"		RN1238B	
3/4"			RN3412B

## REDUCING NIPPLES - NYLON



NPT	1/4"	3/8"	1/2"
3/8"	M3814		
1/2"		M1238	
3/4"		M3438	M3412

## PLUGS



Male NPT	Nylon	Brass	Galvanized	Stainless Steel
1/8"	F18	F18B	F18G	SP18SS
1/4"	F14	F14B	F14G	SP14SS
3/8"	F38	F38B	F38G	SP38SS
1/2"	F12	F12B	F12G	SP12SS
3/4"	F34		F34G	SP34SS
1"	F100		F100G	SP100SS
1 1/4"	F114		F114G	SP114SS
1 1/2"	F112		F112G	
2"	F200		F200G	

## ADAPTERS-BRASS-MALE NPT x FEMALE NPT



Female NPT \ Male NPT	1/8"	1/4"	3/8"	1/2"
1/8"	AD18FX18MB	RA1418B		
1/4"		RA1414B	RA3814B	
3/8"			AD38MX38FB	RA1238B
1/2"				AD12MX12FB

## SHOP TALK

### Physical Dimensions of Common Threads

Male Thread	Outside Diameter Inches	Threads Per Inch
1/8" NPT	.4	27
1/4" NPT	.5	18
3/8" NPT	.67	18
1/2" NPT	.84	14
3/4" NPT	1.05	14
3/4" GHT	1.06	11.5
1" NPT	1.31	11.5
1 1/4" NPT	1.66	11.5
1 1/2" NPT	1.9	11.5
2" NPT	2.37	11.5

### Common Abbreviations

NPT	American Standard Taper Pipe Thread
MNPT	Male NPT Thread
FNPT	Female NPT Thread
GHT	Garden Hose Thread
PSI	Pounds Per Square Inch (Pressure)
O.D.	Outside Diameter
I.D.	Inside Diameter
NST	National Standard Thread

Male Thread	Outside Diameter Inches	Threads Per Inch
1" NST	1.375	8
1 1/2" NST	1.99	9
2 1/2" NST (Hydrant)	3.07	7.5



## REDUCER BUSHINGS - NYLON



Female NPT \ Male NPT	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
1/8"	RB3818		RB3418				
1/4"	RB3814	RB1214	RB3414				
3/8"		RB1238	RB3438				
1/2"			RB3412	RB10012			
3/4"				RB10034	RB11434	RB11234	RB20034
1"					RB114100	RB112100	RB200100
1 1/4"						RB112114	RB200114
1 1/2"							RB200112

## REDUCER BUSHINGS - BRASS



Female NPT \ Male NPT	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
1/8"	RB1418B	RB3818B				
1/4"		RB3814B	RB1214B			
3/8"			RB1238B	RB3438B		
1/2"				RB1234B		
3/4"						RB10034B RB11434B

## REDUCER BUSHINGS - GALVANIZED



Female NPT \ Male NPT	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
1/8"	RB1418G	RB3818G						
1/4"		RB3814G	RB1214G	RB3414G	RB10014G			
3/8"			RB1238G	RB3438G	RB10038G			
1/2"				RB3412G	RB10012G	RB11412G		
3/4"					RB10034G	RB11434G		
1"						RB114100G	RB112100G	RB200100G
1 1/4"							RB112114G	RB200114G
1 1/2"								RB200112G

## REDUCER BUSHINGS - STAINLESS STEEL



Female NPT \ Male NPT	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
1/8"	RB1418SS			RB3418SS				
1/4"		RB3814SS	RB1214SS	RB3414SS	RB10014SS			
3/8"			RB1238SS	RB3438SS				
1/2"				RB3412SS	RB10012SS	RB11412SS		
3/4"					RB10034SS	RB11434SS		
1"						RB114100SS	RB112100SS	RB200100SS
1 1/4"							RB112114SS	RB200114SS
1 1/2"								RB200112SS

## DOUBLE TAPPED REDUCER BUSHINGS FEMALE NPT THREADS BOTH SIDES OF BUSHING



Ideal for installing drop tubes in tanks.

Female NPT \ Male NPT	1"	1 1/4"	2"
1/2"	DTRB10012G		
3/4"			DTRB20034G
1"		DTRB114100G	DTRB200100G
1 1/4"			DTRB200114G
1 1/2"			DTRB200112G



**ELBOW - 90° - FEMALE NPT x FEMALE NPT**



Female NPT	Nylon	Brass	Galvanized	Stainless Steel
1/8"		LL18B	LL18G	LL18SS
1/4"	LL14	LL14B	LL14G	LL14SS
3/8"	LL38	LL38B	LL38G	LL38SS
1/2"	LL12		LL12G	LL12SS
3/4"	LL34	LL34B	LL34G	LL34SS
1"	LL100		LL100G	LL100SS
1 1/4"	LL114	LL114B	LL114G	LL114SS
1 1/2"	LL112	LL112B	LL112G	LL112SS
2"	LL200		LL200G	LL200SS

**ELBOW - 45° - FEMALE NPT x FEMALE NPT**



Female NPT	Nylon	Galvanized	Stainless Steel
1/8"			LL1845SS
1/4"			LL1445SS
3/8"		LL3845G	LL3845SS
1/2"		LL1245G	LL1245SS
3/4"		LL3445G	LL3445SS
1"	LL10045	LL10045G	LL10045SS
1 1/4"	LL11445	LL11445G	LL11445SS
1 1/2"	LL11245	LL11245G	LL11245SS
2"		LL20045G	LL20045SS

**STREET ELBOW - 90° - FEMALE NPT x MALE NPT**



Female NPT	Nylon	Brass	Galvanized	Stainless Steel
1/8"		SE18B	SE18G	SE18SS
1/4"	SE14	SE14B	SE14G	SE14SS
3/8"		SE38B	SE38G	SE38SS
1/2"	SE12	SE12B	SE12G	SE12SS
3/4"	SE34	SE34B	SE34G	SE34SS
1"	SE100		SE100G	SE100SS
1 1/4"	SE114	SE114B	SE114G	SE114SS
1 1/2"	SE112	SE112B	SE112G	SE112SS
2"	SE200		SE200G	SE200SS

**ELBOW - 90° - MALE NPT x MALE NPT**

1/4" Male NPT Brass Only SEM14B



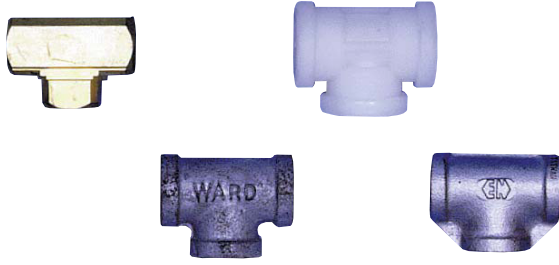
**STREET ELBOW - 45° - FEMALE NPT x MALE NPT**



Female NPT	Nylon	Brass	Galvanized
1/8"		SE1845B	
1/4"		SE1445B	SE1445G
3/8"		SE3845B	SE3845G
1/2"			SE1245G
3/4"	SE3445		SE3445G
1"			SE10045G
1 1/4"			SE11445G
1 1/2"			SE11245G
2"			SE20045G



## TEES - FEMALE NPT



Female NPT	Nylon	Brass	Galvanized	Stainless Steel
1/8"			TT18G	
1/4"	TT14	TT14B	TT14G	
3/8"	TT38	TT38B	TT38G	
1/2"	TT12	TT12B	TT12G	TT12SS
3/4"	TT34	TT34B	TT34G	TT34SS
1"	TT100		TT100G	TT100SS
1 1/4"	TT114	TT114B	TT114G	TT114SS
1 1/2"	TT112		TT112G	TT112SS
2"	TT200		TT200G	TT200SS

## REDUCING TEES

Item	Material	Size
TT100X14X100G	Tee	1" x 1/4" x 1"
TT100X34X100G	Tee	1" x 3/4" x 1"
TT112X34X112G	Tee	1 1/2" x 3/4" x 1 1/2"
TT114X100X114G	Tee	1 1/4" x 1" x 1 1/4"
TT12X14X12G	Tee	1/2" x 1/4" x 1/2"
TT34X12X34G	Tee	3/4" x 1/2" x 3/4"

Galvanized

Item	Material	Size
TT100X12X100B	Brass Tee	1" x 1/2" x 1"
TT100X34X100B	Brass Tee	1" x 3/4" x 1"
TT34X14X34B	Brass Tee	3/4" x 1/4" x 3/4"
TT34X38X34B	Brass Tee	3/4" x 3/8" x 3/4"

Brass

## COMBINATION TEES - NYLON



R12

Item	Material	Size
R12	Nylon	1/2" Male NPT on 3 sides
T38X38X38	Nylon	3/8" Hose Barb x 3/8" Male NPT x 3/8" Hose Barb
T3412	Nylon	1/2" Hose Barb x 3/4" Male NPT x 1/2" Hose Barb

## GAUGE TEES - NYLON



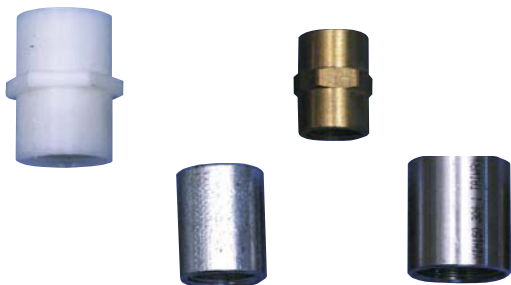
Item	Description	Size
GTT1214	4-Way Tee	1/2" x 1/2" x 1/2" x 1/4" Side
GTT3414	4-Way Tee	3/4" x 3/4" x 3/4" x 1/4" Side

Ideal for mounting pressure gauges on low pressure systems.





**COUPLERS - FEMALE NPT**



Female NPT	Nylon	Brass	Galvanized	Stainless Steel
1/8"		FC18B		FC18SS
1/4"	FC14	FC14B	FC12G	FC12SS
3/8"		FC38B	FC38G	FC38SS
1/2"	FC12	FC12B	FC12G	FC12SS
3/4"	FC34	FC34B	FC34G	FC34SS
1"	FC100		FC100G	FC100SS
1 1/4"	FC114		FC114G	FC114SS
1 1/2"	FC112		FC112G	FC112SS
2"	FC200		FC200G	FC200SS

**REDUCER COUPLINGS-FEMALE NPT-BRASS/GALVANIZED**



B=BRASS  
G=GALVANIZED

	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"
1/8"	R C1418B					
1/4"		RC3814B		RC3414G	RC10014G	
3/8"			RC1238B RC1238G	RC3438B		
1/2"				RC3412B RC3412G		
3/4"					RC10034G	
1"						RC112100G
1 1/4"						RC112114G

**CROSSES - 4-WAY FEMALE NPT**



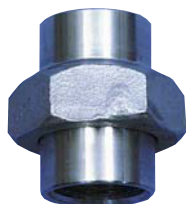
Female NPT	Galvanized	Brass
1/4"		CR14B
3/8"		CR38B
1/2"	CR12G	
3/4"	CR34G	CR34B
1"	CR100G	
1 1/4"	CR114G	
1 1/2"	CR112G	

**CAPS - FEMALE NPT**



Female NPT	Galvanized
1/4"	CP14G
3/8"	CP38G
1/2"	CP12G
3/4"	CP34G
1"	CP100G
1 1/4"	CP114G
2"	CP200G

**UNIONS - FEMALE NPT**



Female NPT	Galvanized	Stainless Steel
1/4"	UN14G	
3/8"	UN38G	
1/2"	UN12G	
3/4"		UN34SS
1"	UN100G	UN100SS
1 1/4"	UN114G	UN114SS
2"	UN200G	UN200SS