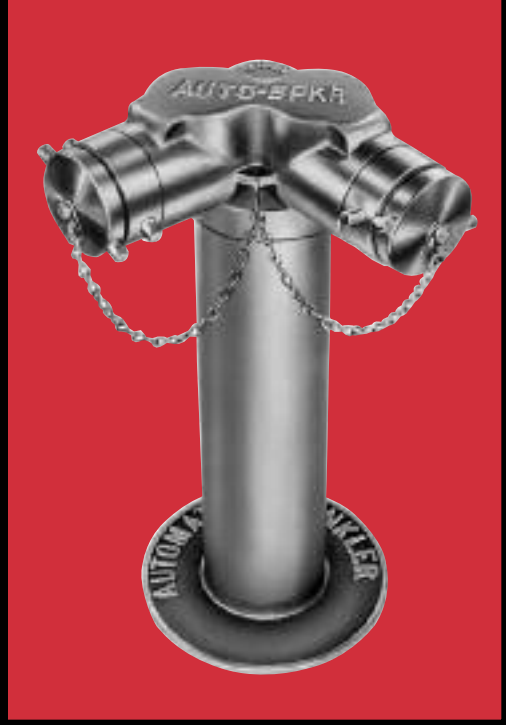


VALVES • NOZZLES • WYES • FIRE DEPARTMENT CONNECTIONS • ADAPTERS • CABINETS



**INDUSTRIAL, MUNICIPAL, & INTERIOR FIRE CONTROL**



# TABLE OF CONTENTS | TERMS AND CONDITIONS

<b>ADAPTERS</b>	
ALUMINUM	1
BRASS	2, 3
BALL DRIP	15
BALL SHUTOFF	28
<b>CABINETS</b>	
PIN RACK	4
RACK AND REEL	5
EXTINGUISHER, VALVE & COMBO	6
STORAGE	13
YARD	13
CAM & GROVE	7
CAPS	8
COUPLINGS	9
COVERS	10
DECK PIPES	24
DRY HYDRANTS	11
EDUCTORS	25
ELBOWS	12
EQUIPMENT HOUSES	13
ESCUTCHEON PLATE	16
EXTINGUISHERS	17
<b>FLANGED ADAPTERS</b>	
ANSI	18
NATO	19
NAVY	18, 19
SHIP / SHORE	19
<b>FIRE DEPARTMENT CONNECTIONS</b>	
HYDRANT	22, 23
PUMP TEST	22
RESIDENTIAL	14
SIAMESE	14, 15, 16
ROOF CONNECTIONS	32
STORZ	34, 35
VALVE CONTROL	22
GASKETS	9
HOSE	20
HOSE RACK UNITS	29
MONITORS	24
NIPPLES	2

<b>NOZZLES</b>	
ADJUSTABLE GALLONAGE	26
ALUMINUM	26, 27, 28
COAST GUARD	26
ELECTRICAL	27
INDUSTRIAL FOG	27
LEXAN PLASTIC	28
PLAIN	28
RACK	27
UNDERWRITERS PLAYPIPE	30
UNI – FOG	26
PHILADELPHIA HYDRANT REDUCERS	1
PLAYPIPES	30
PLUGS	8
<b>RACKS</b>	
COVERS	10
HUMP	21
PIN	29
SADDLE	21
<b>REELS</b>	
CONTINUOUS FLOW	31
COVERS	10
HOSE	31
SILBRAZE ADAPTERS	33
STORZ ADAPTERS	34, 35
STRAINERS	12
TEST GAUGES	36
THREAD INFORMATION	42, 43
<b>VALVES</b>	
ANGLE	37, 38
CHECK	16
CHICAGO	37
GATE	37, 38
GLOBE	38
HYDRANT	38
PRESSURE REDUCING	37
PRESSURE RESTRICTING	38
<b>WRENCHES</b>	
HYDRANT	39
NAVY	39
PHILADELPHIA	39
SPANNER	39
STORZ	39
WYES	41

## GENERAL

The prices shown herein are not intended to represent actual resale prices in any particular market. No obligation is assumed by Moon American Inc. to sell anyone, at any price, the goods listed herein or its catalog.

## TERMS

Net 30 Days.

1½% interest charge per month may be assessed against all invoices not paid within 30 days.

## FREIGHT

F.O.B. Shipping Point with no freight allowances.

All prices are subject to Local, State and Federal Sales and Excise Taxes and will be added to invoices when imposed.

## ACCEPTANCE, MODIFICATIONS AND CANCELLATION OF ORDERS

Orders do not become an obligation of the Company until accepted by the Company.

Orders for other than standard goods, i.e. specially ordered items, may not be cancelled after a purchase commitment has been made, production scheduled or other costs incurred by the Company.

## CATALOG SPECIFICATIONS

As may be necessary, the Company reserves the right to substitute material and/or to make changes in design or other specifications, as shown and described in any of our printed literature, without liability to purchasers.

## GENERAL WARRANTY

The Company will replace any item sold by the Company, which proves defective due to workmanship or material within twelve (12) months from date of shipment. A new item of the same type and size will be furnished. In all claims, no labor or other consequential damages will be allowed.

## DELIVERY, DAMAGES AND SHORTAGES

Delivery to the initial carrier shall constitute delivery to the buyer. Moon American's responsibility, insofar as transportation risks are concerned, ceases upon delivery in good order to such carrier. For the buyer's protection, shipment should be inspected immediately upon receipt. If goods are visibly damaged, the buyer should insist that written confirmation of the damage, be noted on the freight bill by the carrier. If concealed damage is noted after unpacking (must be done within 15 days after delivery) the buyer should immediately notify the carrier involved and obtain verification of the damage from the carrier. All claims for damage in transit, shortage or non-delivery must be filed against the carrier by the buyer. Moon American Inc. shall not be liable for any delays or failure in the delivery or shipment of product or for any damages suffered by reason of such delay. If shipment of material is not received within ten (10) days after receipt of invoice, Moon American Inc. must be notified at once. Otherwise, no claim will be honored for failure to receive shipment. No claim for shortages will be honored unless the Company is notified within 30 days after receipt of shipment.

## RETURNED GOODS

Merchandise may not be returned to the Company for credit unless prior written approval is obtained by the buyer from the Company. Such approval will be granted only when material to be returned is of standard manufacture and is returned six (6) months from date of invoice. If returns are accepted, a deduction of 25% or \$25 (whichever is higher) may be made for service and re-handling, provided the material is in resalable condition. All transportation costs for return goods must be paid by the buyer. Credit will apply only against future purchases.

## CHANGES

The above terms and conditions and any terms and conditions contained in the Company's printed acknowledgement of order apply regardless of any printed terms on a buyer's order. None of the Company's terms and conditions of sale may be added to, modified, superseded or otherwise altered.

## STANDARD THREADS

¾"	NPSH, GH, NPT	2"	NPSH, NPT
1"	NPSH, NPT	2½"	NPSH, NH, NPT
1¼"	NPSH, NPT	3" through 6"	NPSH, NH, NPT
1½"	NPSH, NH, NPT		



**#379 Aluminum Double Female Swivel Adapter**

Made in sizes 1" through 6" with the same size threads on both sides. Both ends swivel and either end may be tightly attached while other end will turn freely. Standard rocker lug wrenching feature.



**#364 Aluminum Double Female Swivel by Solid Adapter**

These double female swivel adapters are available in sizes 1½" through 6". Adapters are made with a tapered pipe thread (NPT) on one end, and hose thread on the swivel. Standard rocker lug wrenching feature furnished on the swivel.



**#378 Aluminum Double Male Adapter**

Made with same size threads both ends or reducing type. Made in sizes ¼" through 6". Standard rocker lug wrenching feature.



**#369 Aluminum Female Male Adapter (Reducer)**

These aluminum adapters are popular for both industrial applications and by Fire Departments. Available in sizes ¾" through 6". Rocker lug wrenching device standard.



**#367 Aluminum Female Male Increaser**

The hose increaser has hose threads on both ends with the male thread always larger than the female thread. Available in sizes 1½" through 6". Standard rocker lug wrenching feature.



**#363 Aluminum Female Swivel by Male Solid Adapter**

Swivel adapters are available in sizes 1½" through 6". These adapters always have NPT threads on the male side and hose threads on the female swivel. Rocker lug wrenching feature is standard.



**#371 Philadelphia Hydrant Reducer**

These reducers are specially threaded to fit fire hydrants in Philadelphia, Pennsylvania. Cast aluminum construction. Long handle design. Male side available in ¾", 1", 1½", 2", and 2½".



**#359 Brass Double Female Hose Nipples**

Nipple has tapered pipe thread (NPT) one end, hose thread other end with hexagon wrenching feature. These are solid nipples with no swivel feature. Made in straight sizes 1½" through 4". For double female adapters that swivel, see 379 adapters.



**#358 Brass Double Male Hose Nipples**

Nipple has tapered pipe thread (NPT) one end, hose thread other end with hexagon wrenching feature. Also, limited sizes available with hose thread on both sides. Nipples are made in all straight sizes ½" through 6" as well as most reducing and increasing sizes. Cast brass construction. For double male adapters with pin or rocker lug, see 378 adapters.



**#379 Brass Double Female Swivel Adapter**

Made in sizes 1" through 4" with the same size threads on both sides. Both ends swivel and either end may be tightly attached while other end will turn freely. Standard pin lug wrenching feature with rocker lugs available in limited sizes.



**#369 Brass Female Male Adapter (reducer)**

Heavy duty cast brass adapter for Industrial and Fire Department use sizes ¼" through 4½". Pin lug wrenching feature supplied with limited sizes available with rocker lug. Long handle available in limited sizes. Consult factory.



**#364 Brass Double Female Swivel by Solid Adapter**

364 swivel adapters are available in sizes 1" through 6". Adapters are made with a tapered pipe thread (NPT) on one end having hex wrenching feature, and hose thread on the swivel. Pin lug wrenching feature is standard, with rocker lug available in limited sizes.



**#357 Brass Female Male Hose Nipples**

Nipple most frequently furnished female tapered pipe thread (NPT) one end, male hose thread other end with hexagon wrenching feature. Limited sizes available in hose thread on both sides. Made in straight sizes ½" through 6" as well as most reducing and increasing sizes. Specify male or female hose thread when ordering. For female by male adapters with pin or rocker lug, see 369 Hose Adapters.



**#378 Brass Double Male Adapter**

Made with same size threads both end or reducing type. Made in sizes 1½" through 4". Standard pin lug wrenching feature with rocker lug available in limited sizes.



**#367 Brass Female Male Increaser**

The Hose Increaser has hose threads on both ends with the male thread always larger than female thread. Available in sizes 1½" through 4". Standard pin lug wrenching feature with rocker lug available in limited sizes.



### #363 Brass Female Swivel by Male Solid Adapter

Swivel adapters are available in sizes 1" through 6". These adapters always have NPT threads on the male side and hose threads on the female swivel. Pin lug wrenching feature is standard, with rocker lug available in limited sizes.



### #356 Brass Hose Bushing

Made in various combinations from ¼" through 4½", all with hex wrenching feature. Female thread is always smaller than male thread which restricts some combinations from being made as bushings. Generally furnished tapered pipe thread (NPT) one end with hose thread on other end. Hose thread on both sides is available in limited sizes. For bushings with pin or rocker lug, see 367 Hose Increaser.



## CABINETS – PIN RACK

### Choose The Cabinet Model



**Model 363**

Up to 75' Fire Hose  
1½" or 2½" Valve



**Model 565**

Up to 100' Fire Hose  
1½" or 2½" Valve



**Model 214**

Up to 100' Fire Hose  
1½" and 2½" Valve



**Model 215**

Up to 100' Fire Hose  
1½" or 2½" Valve  
and Extinguisher



**Model 192**

Up to 75' Fire Hose  
1½" and 2½" Valve  
and Extinguisher

Model Number	Trim Style and Projection	Inside Box Dimensions H x W x D	Outside Trim Dimensions H x W	Rough Opening H x W x D	Knockout Locations E F G	Interior Capacity
215A	Recessed 5/16	34 x 32 x 8	37½ x 35½	35 x 33 x 8¼	4" 4" 4"	One hose rack unit with 100 ft. of rack hose and a fire extinguisher
215T	Semi-Recessed 1¼	34 x 32 x 8	37½ x 35½	35 x 33 x 7¼	4" 4" 4"	
215Z	Trimless	34 x 32 x 8	—	—x —x 8½	4" 4" 4"	
215W	Surface Mounted	37½ x 35½ x 8½	37½ x 35½	—	—	
192A	Recessed 5/16	42 x 32 x 8	45½ x 35½	43 x 33 x 8¼	4" 4" 4"	One hose rack unit with 125 ft. of rack hose, fire ext. and valve
192T	Semi-Recessed 1¼	42 x 32 x 8	45½ x 35½	43 x 33 x 7¼	4" 4" 4"	
192Z	Trimless	42 x 32 x 8	—	—x —x 8½	4" 4" 4"	
192W	Surface Mounted	45½ x 35½ x 8½	45½ x 35½	—	4" 4" 4"	
565A	Recessed 5/16	38 x 24 x 8	41½ x 27½	39 x 25 x 8¼	4" 4" 4"	One hose rack unit with 75 ft. of rack hose and a 2½" Valve
565T 1¼	Semi-Recessed 1¼	38 x 24 x 8	41½ x 27½	39 x 25 x 7¼	4" 4" 4"	
565T 2½	Semi-Recessed 2½	38 x 24 x 8	41½ x 27½	39 x 25 x 6	4" 4" 4"	
565Z	Trimless	38 x 24 x 8	—	—x —x 8½	4" 4" 4"	
565W	Surface Mounted	41½ x 27½ x 8½	41½ x 27½	—	—	
363A	Recessed 5/16	38 x 24 x 8	37½ x 27½	35 x 25 x 8¼	4" 4" 4"	Interior Capacity One hose rack unit with 75 ft. of rack hose
363T 1¼	Semi-Recessed 1¼	38 x 24 x 8	37½ x 27½	35 x 25 x 7¼	4" 4" 4"	
363T 2½	Semi-Recessed 2½	38 x 24 x 8	37½ x 27½	35 x 25 x 6	4" 4" 4"	
363Z	Trimless	38 x 24 x 8	—	—x —x 8½	4" 4" 4"	
363W	Surface Mounted	37½ x 27½ x 8½	37½ x 27½	—	—	
214A	Recessed 5/16	34 x 26 x 8	37½ x 29½	35 x 27 x 8¼	4" 4" 4"	One hose rack unit with 100 ft. of rack hose
214T 1¼	Semi-Recessed 1¼	34 x 26 x 8	37½ x 29½	35 x 27 x 7¼	4" 4" 4"	
214T 2½	Semi-Recessed 2½	34 x 26 x 8	37½ x 29½	35 x 27 x 6	4" 4" 4"	
214Z	Trimless	34 x 26 x 8	—	—x —x 8½	4" 4" 4"	
214W	Surface Mounted	37½ x 29½ x 8½	37½ x 29½	—	—	

### Choose The Door Style



**Full Plexiglass**



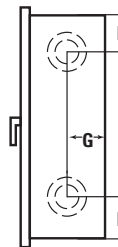
**Horizontal Duo**



**Vertical Duo**



**Solid**



## CABINETS – RACK AND REEL

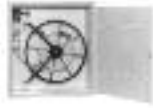
### Choose The Cabinet Model



**Model 217**  
Up to 50'  
1½" Fire Hose  
Reel Only



**Model 218**  
Up to 200'  
2½" Fire Hose  
(Reel or Hump Rack)



**Model 8521**  
350' of 1½" or  
50' of 2½" Fire Hose

Model Number	Trim Style and Projection	Material	Inside Box Dimensions H x W x D	Outside Trim Dimensions H x W	Interior Capacity
217W	Surface Mounted	Fiberglass	27 x 27 x 10½	27 x 27	Up to 50' Fire Hose, 1½ or 2½ Valve
218W	Surface Mounted	Fiberglass	34¾ x 34¾ x 11¼	34¾ x 34¾	Up to 100' Fire Hose, 1½ or 2½ Valve
8521W	Surface Mounted	Steel	39 x 37 x 12	39 x 37	One Hump Rack or Hose Reel

### Choose The Door Style



**Full Plexiglass**



**Horizontal Duo**



**Vertical Duo**



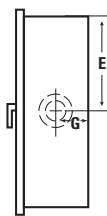
**Solid**

# CABINETS – EXTINGUISHER, VALVE AND COMBINATION

## Choose The Cabinet Model



**Model 280, 281**  
2½ Valve



**Model 280, 281**  
Knockouts



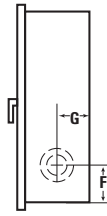
**Model 282**  
1½ and 2½ Valve  
with Extinguisher



**Model 285, 287**  
One Extinguisher



**Model 290**  
2½ Valve  
with One  
Extinguisher



**Model 290**  
Knockouts



**Model 290, 291**  
One Extinguisher

Model Number	Trim Style and Projection	Inside Box Dimensions H x W x D	Outside Trim Dimensions H x W	Rough Opening H x W x D	Knockout Locations E G	Interior Capacity
280A	Recessed 5/16	18 x 18 x 8	21½ x 21½	19 x 19 x 8¼	9" 4"	Fire Department valve with cap and chain
280T 1¼	Semi-Recessed 1¼	18 x 18 x 8	21½ x 21½	19 x 19 x 7¼	9" 4"	
280T 2½	Semi-Recessed 2½	18 x 18 x 8	21½ x 21½	19 x 19 x 6	9" 4"	
280Z	Trimless	18 x 18 x 8	—	—x—x 8½	9" 4"	
280W	Surface Mounted	21½ x 21½ x 8½	21½ x 21½	—	—	One 2½" Fire Department valve with cap and chain
281A	Recessed 5/16	26 x 26 x 8	29½ x 29½	27 x 27 x 8¼	13" 4"	
281T 1¼	Semi-Recessed 1¼	26 x 26 x 8	29½ x 29½	27 x 27 x 7¼	13" 4"	
281T 2½	Semi-Recessed 2½	26 x 26 x 8	29½ x 29½	27 x 27 x 6	13" 4"	
281Z	Trimless	26 x 26 x 8	—	—x—x 8½	13" 4"	One 2½" Fire Department valve with cap and chain and one Fire Extinguisher
281W	Surface Mounted	29½ x 29½ x 8½	29½ x 29½	—	—	
290A	Recessed 5/16	40 x 16 x 8	43½ x 19½	41 x 17 x 8¼	6" 4"	
290T 1¼	Semi-Recessed 1¼	40 x 16 x 8	43½ x 19½	41 x 17 x 7¼	6" 4"	
290T 2½	Semi-Recessed 2½	40 x 16 x 8	43½ x 19½	41 x 17 x 6	6" 4"	One Extinguisher
290Z	Trimless	40 x 16 x 8	—	—x—x 8½	6" 4"	
290W	Surface Mounted	43½ x 19½ x 8½	43½ x 19½	—	—	One Extinguisher
290W Fiberglass	Surface Mounted	24 x 13 x 9¼	24 x 13	—	—	
291W Fiberglass	Surface Mounted	28½ x 12½ x 10½	28 ½ x 12 ½	—	—	One 2½" Fire Department valve with cap and chain and one Fire Extinguisher
282A	Recessed 5/16	36 x 16 x 8	39½ x 19½	37 x 17 x 8¼	6" 4"	
282T 1¼	Semi-Recessed 1¼	36 x 16 x 8	39½ x 19½	37 x 17 x 7¼	6" 4"	
282T 2½	Semi-Recessed 2½	36 x 16 x 8	39½ x 19½	37 x 17 x 6	6" 4"	
282Z	Trimless	36 x 16 x 8	—	—x—x 8½	6" 4"	One Extinguisher
282W	Surface Mounted	39½ x 19½ x 8½	39½ x 19½	—	—	
287A	Recessed 5/16	24 x 9½ x 6	27½ x 13	25 x 10½ x 6¼	—	
287T 1½	Semi-Recessed 1½	24 x 9½ x 6	27½ x 13	25 x 10½ x 5	—	
287T 2½	Semi-Recessed 2½	24 x 9½ x 6	27½ x 13	25 x 10½ x 4	—	One Extinguisher
287Z	Trimless	24 x 9½ x 6	—	—x—x 6½	—	
287W	Surface Mounted	27½ x 13 x 6	27½ x 13	—	—	One Extinguisher
285A	Recessed 5/16	27 x 12 x 8	30½ x 15½	28 x 13 x 8¼	—	
285T 1¼	Semi-Recessed 1¼	27 x 12 x 8	30½ x 15½	28 x 13 x 7¼	—	
285T 2½	Semi-Recessed 2½	27 x 12 x 8	30½ x 15½	28 x 13 x 6	—	
285Z	Trimless	27 x 12 x 8	—	—x—x 8½	—	Two Extinguishers
285W	Surface Mounted	30½ x 15½ x 8½	30½ x 15½	—	—	
284A	Recessed 5/16	27 x 20 x 8	30½ x 23½	28 x 21 x 8¼	—	
284T 1¼	Semi-Recessed 1¼	27 x 20 x 8	30½ x 23½	28 x 21 x 7¼	—	
284T 2½	Semi-Recessed 2½	27 x 20 x 8	30½ x 23½	28 x 21 x 6	—	Two Extinguishers
284Z	Trimless	27 x 20 x 8	—	—x—x 8½	—	
284W	Surface Mounted	30½ x 23½ x 8½	30½ x 23½	—	—	

## Choose The Door Style



**Full Plexiglass**



**Horizontal Duo**



**Vertical Duo**



**Solid**



**#599 Dust Cap**

Cam & Groove dust cap to be used with Part A, E, and F. Available in aluminum, stainless steel, brass, and polypropylene. Sizes 3/4" to 8".



**#598 Dust Plug**

Cam & Groove dust plug to be used with Part B, C, and D. Available in aluminum, stainless steel, brass, and polypropylene. Sizes 3/4" to 8".



**#590 Male Groove x Female NPT Thread**

Cam & Groove adapter Part A. Thread side always NPT threads. Available in aluminum, stainless steel, brass, and polypropylene. Sizes 3/4" to 8".



**#591 Female Cam x Male NPT Thread**

Cam & Groove adapter Part B. Thread side always NPT threads. Available in aluminum, stainless steel, brass, and polypropylene. Sizes 3/4" to 6".



**#592 Female Cam x Hose Shank**

Cam and Groove adapter Part C available in aluminum, stainless steel, brass, and polypropylene. Sizes 3/4" to 8".



**#593 Female Cam x Female NPT Thread**

Cam and Groove adapter Part D. Thread side always NPT threads. Available in aluminum, stainless steel, brass, and polypropylene. Sizes 3/4" to 8".



**#594 Male Groove x Hose Shank**

Cam & Groove adapter Part E available in aluminum, stainless steel, brass, and polypropylene. Sizes 3/4" to 8".



**#595 Male Groove x Male NPT Thread**

Cam & Groove adapter Part F. Thread side always NPT threads. Available in aluminum, stainless steel, brass, and polypropylene. Sizes 3/4" to 8".



**#662 Aluminum Hose Caps**

Coated aluminum caps are stocked in sizes 1" through 6". Rocker lug wrenching feature is standard. Caps supplied with gaskets and chain.



**#661 Aluminum Hose Plugs**

Coated aluminum plugs are stocked in sizes 1½" through 6". Rocker lug wrenching feature and chain is standard.



**#662-H Brass Hex Style Hose Caps**

Brass hex style hose caps are available in ½", ¾", and 1". Supplied with gasket and brass chain.



**#662 Brass Hose Caps**

Brass caps are stocked in sizes ¾" through 6" with pin lug wrenching feature. Rocker lug caps are available in limited sizes. Caps are supplied complete with gasket and brass chain. Cast brass is standard. Polished brass or chrome plated available in some sizes.



**#661 Brass Hose Plugs**

Brass plugs are available in sizes 1½" through 6". Normally stocked with pin lug wrenching feature, but also available with rocker lug in limited sizes. Plugs are supplied complete with brass chain in cast brass. Polished or chrome finish available in some sizes.



**#670 Breakable Caps**

Breakable caps are used on fire department connections in place of plugs where pilferage is a problem. Caps are made of plastic or cast aluminum and are available in sizes 2½" and 3", also available in 2½" adjustable.



**#664 Red Plastic Hose Caps**

Red plastic caps are available in sizes 1½", 2½", and 3". Supplied with gasket and chain.



**#663 Red Plastic Hose Plugs**

With the increase of theft of brass plugs, the market has been looking for a low cost alternative. This plastic plug solves that problem. Red Plastic Plugs are available in 1½" and 2½". Supplied with chain



**#277 Aluminum Fire Hose Coupling Sets**

These heavy duty aluminum couplings are manufactured for use with single jacket and double jacket fire hose. Available in sizes 1½", 1¾", 2", 2½" and 3" rocker lug wrenching feature only. Furnished complete with expansion rings, swivel and bowl gaskets.



**#267 Brass Fire Hose Coupling Sets**

Moon cast brass internally expanded fire hose couplings are designed for heavy duty municipal and industrial service. Manufactured of red brass with long hose bowls for extra strength and gripping. Recommended for use on double jacket and single jacket hose where high pressures and rough use are encountered. Available in sizes 1½", 2½", or 3" with pin lug or rocker lug wrenching features. Furnished complete with expansion rings, swivel and bowl gaskets.



**#251 Brass Long Shank Couplings Sets**

Long shank couplings are commonly used on low pressure air or steam hose. The long shanks accommodate two or more clamps for safe sealing of coupling to hose. Available in sizes ¾", 1", and 1½".



**#810 Expansion Rings**

Moon Expansion Rings are made to exacting specification; high copper content, red brass, soft anneal. Consult the price list for stock standards.



**#813 Gaskets**

Moon gaskets are constructed of oil-resistant synthetic-rubber with long-lasting, non-aging, non-cracking, adhesive-resistant quality. Refer to the price list for stock standards. Gaskets available for swivel, tail, storz, and cam & groove.



**#268 Short Shank Couplings Sets**

Short shank couplings are available all brass or aluminum shank with brass swivel. Sizes 1½", 2", 2½", 3", 4", and 6". Specify thread when ordering.



**#139 Hose Rack Cover**

Cover is for use with 142 & 143 Semi-Automatic Fire Hose Racks. Made of 10oz red vinyl coated nylon with white letters reading "Fire Hose Keep Clear" on both sides.



	SIZE	USE WITH
139-2	32 x 22 x 6	142-143

**#138 Hose Reel Cover**

Cover is for use with 1430 and 1431 hose reels. Specify size of hex and length to determine which cover is to be used. Made of 10oz red vinyl coated nylon with white letters reading "Fire Hose Keep Clear" on both sides.



	SIZE	USE WITH
138-1	21 x 7.5	
138-2	26 x 7.5	
138-3	18 x 6	1430-1
138-3207	32 x 7	
138-3210	32 x 10	
138-3608	36 x 8	
138-5	24 x 6	1430-3 + 1431-3
138-6	26 x 14	1431-6
138-7	24 x 9	1430-4
138-8	26 x 10	1431-5
138-9	36 x 12	

**#137 Hump Rack Cover**

Cover is for use with 1420 Hump Type hose rack. Specify size of hex and length to determine which cover is to be used. Made of 10oz red vinyl coated nylon with 4" white letters reading "Fire Hose Keep Clear" on both sides.



	SIZE	USE WITH
137-1	30 x 21 x 4	1420-1 + 1420-2
137-2	30 x 25 x 6	1420-3

**#132 Hump Rack Cover**

Cover is for use with 1421 Hump Type hose rack. Specify size of hex and length to determine which cover is to be used. Made of 10oz red vinyl coated nylon with white letters reading "Fire Hose Keep Clear" on both sides.



	SIZE	USE WITH
132-1	25 x 18½ x 3½	1421-1
132-2	24 x 25 x 6	1421-2
132-3	24 x 24 x 6	1421-3
132-5	34 x 34 x 6	1421-5

**#293 Female Dry Hydrant**

White PVC 6" straight pattern with painted red aluminum, female swivel with plug. Female side available in 4½", 5" or 6" NST.



**#298 Female Dry Hydrant 45° Elbow**

White PVC 6" 45° elbow with painted red aluminum, female swivel with plug. Female side available in 4½", 5", or 6" NST.



**#294 Female Dry Hydrant 90° Elbow**

White PVC 6" 90° elbow with painted red aluminum, female swivel with plug. Female side available in 4½", 5", or 6" NST.



**#895 Floating Strainer**

Strainer designed to assist in drawing water from a stream or lake. Aluminum construction painted red. Available in sizes 1½" through 6" NST.



**#297 Horizontal Strainer with Back Flush Cover**

PVC strainer to be used at the end of a dry hydrant system. Strainer complete with back flush cover. Available in 6" or 8".



**#296 Horizontal Strainer with Fixed Cover**

PVC strainer to be used at the end of a dry hydrant system. Fixed cover with check valve. Available in 6" or 8".



**#292 Male Dry Hydrant**

White PVC 6" straight pattern with painted red aluminum, male thread with cap. Male side available in 4½", 5" or 6" NST.



**#295 Male Dry Hydrant 45° Elbow**

White PVC 6" 45° elbow with painted red aluminum, male thread with cap. Male side available in 4½", 5", or 6" NST.



**#299 Male Dry Hydrant 90° Elbow**

White PVC 6" 90° elbow with painted red aluminum, male thread with cap. Male side available in 4½", 5", or 6" NST.



**#383 30° Angle Elbow**

A full 30° elbow which is used at discharge of a pump, or to minimize strain on a hose. Aluminum construction available in 2½" through 4".



**#385 45° Angle Elbow**

A full 45° elbow which is used at discharge of a pump, or to minimize strain on a hose. Brass elbows available in 2½". Aluminum available in 2½" through 4".



**#386 90° Angle Elbow**

A full 90° elbow minimize kinking and relieve strain. Usually mounted on fire apparatus and hydrants. Female swivel hose thread by male thread. Brass elbows available in 2½". Aluminum available in 2½" through 4".



**#384 Hydrant Flushing Elbow**

Used to direct water downward. Aluminum construction. Female swivel by plain opening. Available in 2½" and 4½".



**#891 Perforated Tube Type Strainer**

This perforated tube strainer is made from rugged heavy cast brass, or aluminum clean smooth drilled holes in all sizes. Straining area calibrated for maximum performance for each size hose. Furnished only with non swiveling pin lug female. Brass available in sizes 1½" and 2½". Aluminum available in sizes 1½" through 6".



**#7149 Hose Equipment House**

Heavy duty hose cabinet to store fire hose and accessories for yard use. Galvanized 18 gauge steel, painted red. Cabinet measures 60" wide x 15" deep x 48" high, with inside shelf. Removable legs are 18". Ventilation louvers on front doors.



**#7147 Hose Equipment House**

Heavy Duty hose equipment house to store fire hose and accessories for yard use. 16 gauge cold-rolled steel standard with galvanized steel or aluminum as an option. Red baked enamel finish with "Fire Hose" decal standard. Cabinet measures 58" wide x 15" deep x 42" high. The 14 gauge steel removable legs are 18" long. Complete with adjustable center shelf. Ventilation louvers on each side.



**#7148 Hose Equipment House**

Heavy duty fiberglass hose cabinet to store fire hose and accessories for yard use. Cabinet measures 57" wide x 14½" deep x 36½" high, with standard removable PVC legs.



Basic FM Specifications for all Hose Houses or Outside Cabinets

- 200 ft - 2½" SJ 300# test fire hose
- 100 ft - 1½" SJ 300# test fire hose
- 2 - 879 Adjustable Hydrant Wrench
- 2 - 876 1½" Common Spanner
- 4 - 876 2½" Common Spanner
- 2 - 369P Female Male Adapter 2½" x 1½"
- 1 - 472 Leader Line Wye 2½" x 1½" x 1½"
- 1 - 520 1½" Combination Fog Nozzle
- 2 - 520 2½" Combination Fog Nozzle
- 6 - 813 1½" Rubber Washers

Additional Equipment for Hose Houses or Cabinets

- 2 - 570PU UL Listed Playpipe with 1½" discharge
- 1 - 881 Fire Axe
- 1 - 881 Crowbar
- 2 - 830 Hose and Ladder Straps
- 4 - 876 2½" Common Spanners
- 1 - 879 Adjustable Hydrant Wrench
- 1 - 880 Playpipe Holder
- 2 - 813 2½" Rubber Washers

**#230 90° Double Clapper Siamese Body**

Cast brass body and trim, having two individual drop clapper valves. Available 4" and 6" outlets and 2½" or 3" inlets. Threads to local fire department specifications. Specify "Auto Sprinkler or Standpipe" when ordering. Polished brass or polished chrome optional.



**#221 Straight Double Clapper Siamese Body**

Cast brass body and trim, having two individual drop clapper valves. Available 4" and 6" outlets and 2½" or 3" inlets. Threads to local fire department specifications. Specify "Auto Sprinkler or Standpipe" when ordering. Polished brass or polished chrome optional.



**#7108 3-Way 90° Siamese**

7108 (3-way) 90° cast brass Siamese, having self-closing drop clapper valves in each 2½" connection. Threads to local fire department specifications. Finish: Rough brass. Optional finish: Polished brass or chrome plated.



**#7118 3-Way Straight Siamese**

7118 (3-way) straight Siamese having self-closing drop clapper valves in each 2½" connection. Threads to local fire department specifications. Cast brass standard. Optional finish: Polished brass or chrome plated.



**#30 90° Single Clapper Siamese Body**

Cast brass body and trim, having one individual drop clapper valve. Available 4" outlets and 2½" inlets. Threads to local fire department specifications. Only available branded "Auto Sprinkler."



**#29 Straight Single Clapper Siamese Body**

Cast brass body and trim, having one drop clapper valve. Available 4" outlets and 2½" inlets. Threads to local fire department specifications. Only available branded "Auto Sprinkler."



**#7113 Clapper Snoot, Female by Female**

7113 clapper snoots have 2½" swivel female hose thread with 3" NPT female outlet. Used with all flush fire department connections. Finish: Polished brass. Polished chrome optional.



**#7103 Spring Check Snoot, Double Female**

7103 spring check snoots have 2½" swivel female hose thread with 3" NPT female outlet. Used with all flush fire department connections. Finish: Polished brass. Polished chrome optional.



**#7102 Spring Check Snoot, Female by Male**

7102 spring check snoots have 2½" swivel female hose thread with 3" NPT male outlet. Used with all flush fire department connections. Finish: Polished brass. Polished chrome optional.



**#7110 Residential Sprinkler**

7110 Residential Sprinkler connection. Furnished with round escutcheon, plug, and chain. Female inlet 1½" NST thread with 1½" NPT female outlet. Lettered "Auto Sprinkler." Finish: cast brass.





**#231 Sidewalk Siamese**

Sidewalk Siamese connections are available with 4" or 6" outlets with either 2 or 3, 2½" or 3" swivel inlets. Standard is cast brass. Polished brass or polished chrome optional. The assembly comes complete with cast body, 18" sleeve, escutcheon plate and plugs. Threads to local fire department specifications. Specify "Auto Sprinkler" or "Standpipe" or combination plate when ordering.



**#7209 Sidewalk Siamese**

Square Sidewalk Siamese connections are available with 6" outlets with four 2½" swivel inlets. Standard is cast brass. Polished brass or polished chrome optional. The assembly comes complete with cast body, 18" sleeve, escutcheon plate and plugs. Threads to local fire department specifications. Specify "Auto Sprinkler" or "Standpipe," or combination plate when ordering.



**#690 Sidewalk Storz Fire Department Connection**

Similar to traditional sidewalk Siamese connections. These connections have one storz inlet, 4" or 5" by 4" or 6" NPT. Comes complete with 90° storz connection, cap, 18" sleeve, and escutcheon plate. Bright aluminum. Painted red or Polished Aluminum optional. Specify "Auto-Sprinkler" or "Standpipe," or combination plate when ordering.



**#7106P Single Fire Department Connection**

7106P Brass Single Fire Department connection. Furnished with rectangular escutcheon, plug, and chain. Female inlet 2½". Lettered "Auto Sprinkler" or "Standpipe." Threads to local fire department specifications. Finish: cast brass. Polished brass or chrome plated optional. Specify size: 2½" x 2½" or 3" x 2½".



**#7106R Single Fire Department Connection**

7106R Brass Single Fire Department connection. Furnished with round escutcheon, plug and chain. Female inlet 2½". Lettered "Auto Sprinkler" or "Standpipe." Threads to local fire department specifications. Finish: cast brass. Polished brass or chrome plated optional. Specify size: 2½" x 2½" or 3" x 2½".



**#276 Flush Type Fire Department Connection**

Moon flush type fire department connections are designed for installation where space will not accommodate a projecting unit. The individual drop clappers valves are included, together with plugs, chains and escutcheon plate lettered "Auto Sprinkler" or "Standpipe." Siamese body is roughed-in during construction: escutcheon and nipple assemblies are installed after construction. Pipe nipples by others. Finish: cast brass. Optional: Polished brass or chrome plated. Threads: to local fire department specifications. Specify: Straight, 90° angle or inverted angle body.



**#270 Projecting Siamese**

Projecting fire department connections are available in 4" and 6" outlets with 2½" or 3" swivel inlets. Two individual drop clapper valves are included, together with plugs, chains, and escutcheon plate lettered "Auto Sprinkler or Standpipe." Threads to local fire department specifications. Finish: cast brass. Polished brass or chrome plated optional.



**#2112 Straight Ball Drip**

Fire regulations in most cities require automatic ball drip be placed between the inside check valve and the Siamese. Available in ½" or ¾". Brass construction.



**#740 Wafer Check valve**

These ductile iron wafer check valves are used to stop water from flowing back to the source. Available in 4" and 6" sizes. 4" size is available with optional ball drip. 250 WOG UL listed FM approved.



**#264 Wall Plate**

Normally furnished with lettering of "Auto Sprinkler" or "Standpipe." Special lettering available upon request at additional cost. Available in cast brass, polished brass or aluminum. Sizes 12" x 4½".



**#265 Escutcheon Plates**

Round for use with fire department connections or hydrants. Branded "Auto-Sprinkler," "Standpipe," "combination," or "Hydrant." Specify cast brass, polished brass, polished chrome or aluminum when ordering.



Sizes 7" Diameter for 2½" Pipe  
 12" Diameter for 4" Pipe  
 14" Diameter for 6" Pipe

**#231-SL 18**

These sleeves are used with free standing fire department connections, 4" or 6" diameter, 18" long. Unpolished brass construction, standard. Polished brass or chrome plated also available.



**#7140 Fire Extinguishers**

These ABC dry chemical extinguishes are available in 5lb, 10lb, and 20lb sizes.



**#6363 150# ANSI Flanged Female Hose Adapters**

Flanged female hose adapters are made with female swivel hose thread with gasket seat so hose lines may be easily coupled to connection. Manufactured to 150# ANSI specifications. Specify size and type hose thread when ordering.



**#6358 150# ANSI Flanged Male Hose Adapters**

Flanged male hose adapters are used for adapting flanged valves and fittings to hose connections. Manufactured to 150# ANSI specifications. Specify size and hose thread when ordering.



**#6368 150# Navy Flanged Female Hose Adapters**

Flanged female hose adapters are made with female swivel hose thread with gasket seat so hose lines may be easily coupled to connection. Manufactured to 150# Navy specifications. Specify size and type hose thread when ordering.



**#6365 150# Navy Flanged Male Hose Adapters**

Flanged male hose adapters are used for adapting flanged valves and fittings to hose connections. Manufactured to 150# Navy specifications. Specify size and hose thread when ordering.



**#6369 250# Navy Flanged Female Hose Adapters**

Flanged female hose adapters are made with female swivel hose thread with gasket seat so hose lines may be easily coupled to connection. Manufactured to 250# Navy specifications. Specify size and type hose thread when ordering.



**#6366 250# Navy Flanged Male Hose Adapters**

Flanged male hose adapters are used for adapting flanged valves and fittings to hose connections. Manufactured to 250# Navy specifications. Specify size and type hose thread when ordering.



**#6364 300# ANSI Flanged Female Hose Adapters**

Flanged female hose adapters are made with female swivel hose thread with gasket seat so hose lines may be easily coupled to connection. Manufactured to 300# ANSI specifications. Specify size and type hose thread when ordering.



**#6359 300# ANSI Flanged Male Hose Adapters**

Flanged male hose adapters are used for adapting flanged valves and fittings to hose connections. Manufactured to 300# ANSI specifications. Specify size and type hose thread when ordering.



**#6370 400# Navy Flanged Female Hose Adapters**

Flanged female hose adapters are made with female swivel hose thread with gasket seat so hose lines may be easily coupled to connection. Manufactured to 400# Navy specifications. Specify size and type hose thread when ordering.



**#6367 400# Navy Flanged Male Hose Adapters**

Flanged male hose adapters are used for adapting flanged valves and fittings to hose connections. Manufactured to 400# Navy specifications. Specify size and type hose thread when ordering.



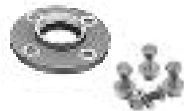
**#336 International Ship Connection**

Ship connection is for use with 337 shore connection. This 7" OD Flange is threaded with a 2½" female hose thread to match hose threads on ship. Flange is slotted rather than drilled so that it can be used with non standard flanges. Connection is supplied complete with bolts, nuts, washers, and gaskets.



**#337 International Shore Connection**

Shore connection is a 2½" x 7" O.D. flange threaded with 2½" female hose thread to match on docks. Flange is drilled to ANSI standard and is supplied complete with bolts, nuts, washers and gaskets.



**#6371 Nato Flanged Female Hose Adapters**

Flanged female hose adapters are made with female swivel hose thread with gasket seat so hose lines may be easily coupled to connection. Manufactured to Nato flange specifications. Specify size and type hose thread when ordering.



**#6372 Nato Flanged Male Hose Adapters**

Flanged male hose adapters are used for adapting flanged valves and fittings to hose connections. Manufactured to Nato flange specifications. Specify size and type hose thread when ordering.



**#1129 Diplomat Fire Hose**

Diplomat is a fire line Double Jacket 800 lb. test hose. It's all polyester jacket with EPDM lining is immune to mildew and is rot freeze resistant. UL available at additional cost. Standard white with other colors available upon request. Available in 1½" and 2½", 50, 75 and 100 ft. lengths.

**#1137 Heavy Duty Mill Hose**

This single jacket economical fire hose is for industrial and construction uses when medium water pressure is used. 250 PSI rating. Available in 1½", 2½", 3". Available in 50, 75 and 100 ft lengths.

**#1117 Moonflex Rack & Reel Hose**

Moonflex Rack & Reel Hose has a 100% polyester jacket with extruded rubber lining. 500 pound test pressure. Recommended for interior rack and reel installations and for replacement of linen hose. Can be installed on racks now holding linen hose. Available in 50, 75, and 100 foot lengths. Factory Mutual approved and Underwriters Laboratories label available.

**#1131 Non Collapsible Hose**

For use with continuous flow hose reels. Constructed of high tensile spiral with a red EPDM rubber cover, non collapsible, non conductive, and flexible. Available in 1" and 1½" sizes. Available in 50, 75 and 100 ft. lengths.

**#1135 Rubber Covered Hose**

This single jacket fire hose is covered with a synthetic rubber to provide excellent protection. The hose is resistant to fuels, chemicals, oils, heat, cold and environmental pollutants, 500 PSI test pressure available in 1½" and 2½", yellow or red, 50 ft maximum length.

**#1121 Super Fyrman Fire Hose**

Super Fyrman is a premium quality, abrasion resistant, lightweight industrial fire hose designed for extended storage and service life. The hose is manufactured with 100% polyester exterior with an interior of single ply extruded rubber. Available in 1½" and 2½" single jacket 300 lb test or double jacket 600 lbs test.

**#1115 Super Reelflex Fire Hose**

Super Reelflex 500 lb test hose has a single jacket of 100% polyester with synthetic rubber tube. Can be used on either racks or reels for inside and outside protection. Does not require drying after use. Available in 50, 75 and 100 ft. lengths in 1½" and 2½" size. Factory Mutual and Underwriters Laboratories approval available.



## #1421 Heavy Duty Hump Type Hose Rack

Designed for factory and warehouse storage of 1½" and 2½" fire hose, available in four different hose capacities. Hump in center supports weight of hose and helps lengthen its service life by relieving strain on folded ends. Steel, baked on red enamel finish. Racks furnished with wall brackets.



Part #	Hose Size	Dimensions			Maximum Capacity		
		A	B	C	Lt. Weight Hose	Rubber Lined Single Jacket	Shipping Weight (lbs)
1421-1	1 ½"	18"	24"	4"	100'	50'	16
1421-3	1 ½"	24"	24"	4"	150'	100'	20
1421-5	1 ½"	34"	34"	4"	200'	150'	38
1421-2	2 ½"	24"	24"	5 ¼"	100'	50'	22

## #1420 Hump Type Hose Rack

Designed for factory and warehouse storage of 1½" and 2½" fire hose, available in three different hose capacities. Hump in center supports weight of hose and helps lengthen its service life by relieving strain on folded ends. Steel, baked on red enamel finish. Stainless steel optional. Racks furnished with wall brackets.



Part #	Hose Size	Hose Capacity (feet)			Dimensions (inches)			Wgt. (lbs)
		Synthetic Lined	Single Jacket	Double Jacket	Overall Height	Overall Width	Overall Depth	
1420-1	1 ½" or 1 ¾"	100	50	–	17	29	4 ¾"	10
1420-2	2" or 2 ½"	100	50	–	17	29	5 ¾"	12
1420-3	1 ½" or 1 ¾"	150	100	50	23 ⅞"	32	4 ¾"	13

## #1423 Saddle Racks

Saddle racks readily store all types of rubber lined hose. Saddle racks holds up to 150 feet of single jacket or double jacket fire hose. Capacity can be increased by making hose folds longer. Ideal for water, garden, steam, air, dairy, wash down & other types of hose. Finish: Red enamel.



**#1345 Flush Type Pump Test Connections**

Moon pump test connections are used for testing flow capacity of fire pumps. Outlets normally 2½" NH male with 2½" NH caps. Commonly operators will use 734 hose gate valve when testing the pump. Cast brass body with NPT inlet. Escutcheon plate lettered "Pump Test Connection." Specify size inlet and number of outlets required.



**#275 Flush Type Wall Hydrant**

Moon flush type wall hydrant is furnished complete with male outlets, caps, and chains. Escutcheon plate lettered "Wall Hydrant." Siamese body is roughed-in during construction; escutcheon and nipple assemblies are installed after construction. Pipe nipples by others. Finish: Cast brass. Optional: Polished brass or chrome plated. Threads: to local fire department specifications. Specify size and body.



**#273 Moon Projecting Type Wall Hydrant**

Projecting wall hydrant is furnished complete with male outlets, caps and chains, 4" or 6" inlet with two 2½" male outlets. Escutcheon plate is lettered "Wall Hydrant." Finish: cast brass. Optional: polished brass and chrome plated.



**#274-S Moon Valve Control**

Moon valve control is furnished with a ¼" square steel extension rod 24" long that has a special coupling for attaching to gate valve stem. Furnished complete with cap and chain. Diameter of hole required in wall is 2½". Finish: cast brass. Optional: polished brass or chrome plated.



**#164 Projecting Wall Hydrant**

Cast brass wall hydrants, for fire department and yard use. Less clapper valves and having male outlets. Threads to local fire department specifications. Available 4" or 6" inlets and 2½" male outlets. Finish: cast brass. Optional: polished brass or polished chrome.



**#231-M Sidewalk Hydrant**

Sidewalk hydrants are available with 4" or 6" inlets and 2 or 3, 2½" outlets. Standard cast brass. Polished brass or polished chrome optional. The assembly comes complete with cast body, 18" sleeve, escutcheon plate and caps. Threads to local Fire Department.



**#231-C Sidewalk Valve Control**

Sidewalk valve control for use with sidewalk hydrant. Furnished with ¼" square steel extension rod 24" long. Rod has special coupling for attaching to stem of gate valve. Complete with cap and chain. Finish: polished brass, chrome plated optional.



**#122P Wall Hydrant**

122P Brass Single Wall Hydrant Connection. Furnished with rectangular escutcheon, cap and chain. Male outlet 2½". Lettered "Wall Hydrant." Threads to local fire department specifications. Finish: cast brass. Polished brass or chrome plated optional. Specify size: 2½" x 2½", 2½" x 3".





### #122R Wall Hydrant

122R Brass Single Wall Hydrant Connection. Furnished with round escutcheon, cap and chain. Male outlet 2½". Lettered "Wall Hydrant." Threads to local fire department specifications. Finish: cast brass. Polished brass or chrome plated Optional. Specify size: 2½" x 2½", 2½" x 3".



**#536 Deck Pipe**

- Single 2½" waterway, 750 GPM.
- Rugged, corrosion-resistant cast brass construction.
- Full 360° horizontal and 130° vertical travel ----70° above to 60° below horizontal.
- Selection of 3" or 4" 150# ANSI flange, or 2½" or 3" NPT for inlet.
- Brass twist locking mechanism for vertical and horizontal movement.
- Specify 2½" discharge outlet thread.



Outlet Thread	GPM	Width	Height	Weight (lbs)
2 ½"	750	22	18	45

**#539 Single Waterway Monitor**

- Corrosion resistant brass construction.
- Full 360° horizontal travel with friction locking mechanism.
- 150° vertical travel 90° above to 60° below horizontal.
- 3" single waterway with turning vanes at each elbow provides flow efficiency, 1250 GPM.
- A double row of ball bearings in the swivel for smooth operation.
- Suitable for use in corrosive atmosphere that requires all brass monitor.
- Standard unit painted red.
- Selection of 3" or 4" ANSI 150# flange for inlet.



Outlet Thread	GPM	Width	Height	Weight (lbs)
2 ½"	1250	12	17	70

**#540 Portable Monitor**

- Durable lightweight aluminum construction.
- Dual application - use portable monitor or add the top flange for deck mount use.
- Quick locking system; simple, heavy duty dual spring-loaded lock pins for quick and easy assembly and positive locking.
- Safety stop at 30 degree above horizontal.
- Full unobstructed 3" waterway for low friction loss.
- Volume 800 GPM with double 2½" inlet, or 1000 GPM with single 4" inlet.



Inlet Style	Flow	Thread		Dimensions			Weight (lbs)
		Inlet	Outlet	Width	Depth	Height	
Single	1000 GPM	4" or 5"	2 ½"	25"	26"	16"	28
Double	800 GPM	(2) 2 ½"	2 ½"	25"	26"	16"	27

**#507 Single Waterway Monitor**

- Single 2.5" waterway, 750 GPM.
- 360 degree horizontal.
- 135 degree vertical travel (90° above and 45° below) controlled by a stainless steel handle rod.
- Positive twist locks for vertical and horizontal movements.
- Cast brass swivel joints with stainless steel balls.
- Corrosion resistant brass construction.
- Selection of 3", 4" 150# flange or 2.5" or 3" NPT thread inlet.



**#530 Hydrant Mount**

- Brass construction
- Adjustable height from 17" to 28" from the ground.
- Length 9½" from swivel to middle of flange.
- 2½" NST female swivel inlet.
- Specify 3" or 4" ANSI flange.



**#580 In-Line Eductor**

All brass construction, 1½" female by male outlet includes clear PVC pick up tube. Eductor rates of ½, 1, 3, 6 percent and shutoff. Standard backflow prevents flow into form concentrate. Metering device detaches for cleaning.



Thread	GPM	Induction Rates	Weight (lbs)
1 ½"	95	0, ½, 1, 3, 6%	9

**#522 Uni-Fog Nozzle - Constant Flow**

A deluxe all brass fog nozzle discharges same GPM in all fog settings as well as straight stream. A complete range of fog and straight stream may be obtained. Nozzles are stocked in polished chrome finish.



**#512P Adjustable Gallonage Nozzle With Pistol Grip and Ball Shutoff**

- Durable lightweight aluminum construction.
- Combination fog and straight stream.
- Change the flow without changing pattern and flush without shutting down.
- Standard pistol grip and ball shutoff.
- Foam compatible, and ideal for use with educators. 1½" version is FM approved.



Inlet Size	Body Size	GPM	Weight (lbs)
1"	1"	12-23-30	3 ¼
1 ½"	1 ½"	30-60-95-125	4 ½
1 ½"	2 ½"	95-125-150-200	5 ¾
2 ½"	2 ½"	125-150-200-250	6 ½

**#509P Coast Guard Approved Shipboard Nozzle**

This nozzle is designed for firefighting in harsh marine environments. Use water or AFFF. Solid brass construction chrome plated. Constant gallonage nozzle at 95 GPM Standard. Also available at 125 GPM. Approval #162.027/17/0.



**#510 Coast Guard Nozzle**

Solid brass fog to straight stream nozzle for harsh Marine environments. Meets US Coast Guard specifications, 55GPM. Available 1½", and 2½".



**#504 Coast Guard Nozzle Applicator**

Applicator to be used with #510 Coast Guard Nozzle. Available in 4' and 10' lengths for 1½", and 6', 10' and 12' lengths for 2½".



**#505 Coast Guard Nozzle Bayonet**

Bayonet to be used with #510 Coast Guard nozzle. Available for 1½" and 2½" connection. 9½' in length.



**#548 Adjustable Gallonage Master Stream Nozzle**

- Available in brass or lightweight aluminum construction.
- 2½" inlet.
- Combination fog and straight stream without shutoff.
- Four constant flow settings: 500, 750, 1000, 1250 GPM.
- Constant flow-straight stream to wide fog.
- Heavy duty spinning teeth for powerful fog pattern.
- Superior reach and penetration.
- Ideal for use on portable and fixed monitor.



Thread	GPM	Length	Weight (lbs)
2 ½"	500-750-1000-1250	8 ½"	Brass: 22 Aluminum: 8 ½

**#529 Fog Master Nozzle**

For use with such master stream appliances as Deluges, Deck Pipes and ladder Pipes. These heavy duty all brass Fog Master Nozzles make your master streams more protective for adjacent structures-and when emergency demands, provides large volumes of fog for fires that have swept beyond the control of hand line. One quarter turn locks the nozzle in firm position. Standard stock is 2½" NH thread, 500 GPM. Also available in 300 & 700 GPM.



Thread	GPM	Length	Weight (lbs)
2 ½"	300-500-700	7"	Brass: 12 ½

**#511 Adjustable Gallonage Nozzle Tip**

Lightweight aluminum nozzle tip allows for maximum flexibility in a compact design. Available in 1", 1½", and 2½".



- Constant select gallonage regardless of pattern.
- Standard optimum operating pressure of 100 PSI, excellent performance as low as 50 PSI
- Combination fog and straight stream patterns.
- Flush option without shut down.

Size	GPM
1"	5-10-24-40
1 ½"	30-60-95-125
2 ½"	95-125-150-200

**#516 Aluminum Fog Nozzle with Bumper**

Aluminum industrial fog nozzle twist from fog to straight stream, and is anodized to protect against corrosion. Available in 1" and 1½".



**#520 Brass Heavy Duty Industrial Fog Nozzle**

Heavy duty, low cost, brass fog nozzle, especially recommended for those locations where frequent service demands quality. Water flow can be quickly changed from, straight-to fog-to-shut-off with a flick of the wrist. Large rubber bumper protects the outer perimeter of nozzle tip and also provides a firm gripping surface. Specially designed to give uniform flow in all positions. Available in sizes, 1", 1½" and 2½".



**#7171 Brass Industrial Fog Nozzle**

A quality brass fog nozzle economical priced and listed by ULC. This nozzle can be used for interior fire protection or wash down. Available in 1½" only.



**#7160E Brass Electrical Fog Nozzle**

This 1½" electrical fog nozzle is equipped with a special fog pattern for attacking electrical fires. The nozzle will not go to straight stream. 95 GPM. Satin brass finish.



**#8104 Rack Fog Nozzle**

An inexpensive 1½" brass fog nozzle for light duty, low gallonage applications, or for rack units.



**#517 Lexan Plastic Fog Nozzle**

Nozzle has complete shut off fog and straight stream. Used with fire hose rack units that are exposed and subject to pilferage. ULC approved. Available ¾", 1", 1½" and 2½". 1½" version also available in fog pattern only for use with electrical fires.



**#99 Lexan Plastic Plain Nozzle**

Economical plastic plain nozzle available in 1½" size only with ½" orifice.



**#572 Brass Plain Hose Nozzle**

For use on fire hose racks and reels and for other industrial applications where shut off valves are not required at the nozzle. Available in sizes ¾", 1", 1¼", 1½", 2", and 2½".



**#525 Anodized Aluminum Nozzle Tip**

Aluminum nozzle tip with 1½" female inlet. Specify ½", ¾", and 1" discharge.



**#525 Brass Nozzle Tip**

MOON 525 brass nozzle tips deliver a non-feathered long-reach straight stream. Orifices are bored straight and broached for a distance one and one half times the diameter of the tip opening. Tips are furnished with large rubber bumper to protect orifice. Stocked in satin brass finish. 1½" female inlet with ½" orifice standard. ⅜", ⅝" or ¼" orifice optional.



**#528 Aluminum Stackable Tip**

Used regularly on monitors and deck pipes. Available in 2½" or 1½" inlet with various orifice sizes.



**#514P Aluminum Ball Shutoff with Pistol Grip**

This product can be used in line to shut off a fire hose line, or in conjunction with a nozzle tip to spray water. Available in 1", 1½", and 2½" inlets. Solid aluminum construction.



**#524 Brass Ball Shut-offs**

MOON ball shut-offs can be used in line to shut down fire line or with a nozzle tip to spray water. Solid brass construction, heavy duty plastic ball shut-off. Pistol grip available at an extra charge.



**#526 Brass Shut-Off Nozzle**

Solid brass construction available in 1½" and 2½" inlets. Comes complete with ball shut-off. Nozzle tip has a large rubber bumper, and ½" orifice.



**#14200 1½ Hose Rack Unit**

Complete unit for use with rack hose for internal applications. Comes complete with #142 pin rack, 1½" valve, nipple, hose and nozzle. Specify brass or plastic nozzle. Available 50, 75, or 100 ft of hose.



**#14300 2½ Hose Rack Unit**

Complete unit for use with 1½" rack hose for internal applications. Comes complete with #143 pin rack, 2½" valve, nipple, reducer, hose and nozzle. Specify brass or plastic nozzle. Available 50, 75, or 100 ft of hose.



**#142 1½ Pin Rack for 1½ Hose**

Sturdily constructed one-piece rack is listed by Underwriters' and Factory Mutual Laboratories. Rack used with 1½" rack nipple or pin rack bracket #142-01. Racks holds 50, 75 or 100 feet of 1½" rack hose. Standard finish of red enamel.



**#143 2½ Pin Rack for 1½ Hose**

Sturdily constructed one-piece rack is listed by Underwriters' and Factory Mutual Laboratories. Rack used with 2½" rack nipple. Racks hold 50, 75, or 100 feet of 1½" rack hose. Standard finish of red enamel.



**#142-01 Pin Rack Wall Mount Brackett**

Wall mount brackets to be used with 1½" pin rack as an alternative to a 1½" rack nipple. Steel construction, painted red.



**#5358 Rack Nipple**

- Brass Construction.
- NPT thread x hose threads.
- Used in conjunction with pin rack units.
- Available in 1½" and 2½"



**#531 Playpipe with Ball Shutoff**

Playpipe has shut-off incorporated between the handles. This unit is popular because you can attach 511 Tip, 572 or 525 plain Tip to discharge end of playpipe to have a complete, compact Playpipe Shut-Off and Tip unit. Playpipe has 2½" hose thread with 1½" NH discharge. Available in lightweight aluminum.

**#532 Playpipe with Ball Shutoff and Tip**

This product incorporates the Moon #531 playpipe and ball shutoff with a #511 nozzle tip. Solid aluminum coated construction. 2½" inlet.

**#570 Underwriters Playpipe**

Swedged from seamless drawn copper tube and brazed to cast brass end fittings. Wrapped with red marlin cord. Overall length 30". Furnished with 576 Tip with 1½" discharge.

**#576 Underwriters Playpipe Tip**

Standard tip used with underwriter and factory mutual playpipes. #570 Tip has UPT hose thread (2¾ x 12) with 1½" discharge. Also available with discharges from ¼" to 1¼" upon request.





### #1451 Continuous Flow Hose Reel

Heavy Duty, Quick-acting Continuous Flow hose reels are equipped with a universal mounting stand suitable for installation on walls, columns, ceilings, or floors. Water pressure is available at the nozzle at all times. Non-collapsible rubber hose is sold separately. Water is instantly available and brought into action quickly. It is not necessary to unreel all the hose.



- Manual Rewind Reels
- Direct Crank Rewind
- Steel Construction
- Standard 90° ball bearing swivel joint female NPT threads
- Standard outlet female NPT threads
- Pressures to 1000 psi

Part #	Hose Capacity (feet)				Connection	Overall Size (inches)			Weight (lbs)
	¾"	1"	1 ¼"	1 ½"		Lg.	Wd.	Ht.	
1451-1	150	100			1"	27.75	25.5	27.88	130
1451-2	300	200			1"	36.25	25.5	27.88	155
1451-4			150	100	1 ½"	38.5	25.5	27.88	184
1451-5				200	1 ½"	44.5	25.5	29.88	197

### #1430 Heavy Duty Hose Reel

For the storage of 1½" or 2½" single-jacket hose. Reels furnished with wall brackets. Extra charge for pipe clamps. Steel red enamel finish.



Part #	Hose Size	Dimensions			Maximum Capacity		
		Wheel Diameter	Distance from the Wall	Hub Width	Lt. Weight Hose	Rubber Lined Single Jacket	Shipping Weight (lbs)
1430-1	1 ½"	18"	23 ½"	6 ¼"	150'	50'-75'	18
1430-3	1 ½"	24"	29"	6 ¼"	200'	100'	25
1430-4	2 ½"	24"	29"	8 ½"	200'	100'	31

### #1431 Standard Hose Reel

For the storage of 1½" or 2½" single-jacket hose. Reels furnished with wall brackets. Extra charge for pipe clamps. Steel red enamel finish.



Part #	Hose Size	Capacity	Wheel Dia.	Hub Width	Overall Width	Shipping Weight (lbs)
1431-3	1 ½"	100'	24"	3"	5 ½"	16
1431-5	1 ½"	200'	26"	5 ½"	9 ½"	25
1431-6	2 ½"	200'	26"	9"	13"	29

**#7219 2 Way 90° Connection**

MOON 2 Way cast brass 90° roof connection having tapered pipe female inlet and male outlets. Inlets 4" or 6", outlets 2½". Finish: Rough brass.



**7215 2 Way Straight Connection**

MOON 2 Way cast brass roof connection having tapered pipe female and male outlets. Inlets 4" or 6", outlets 2½". Finish: Rough brass.



**#7220 3 Way 90° Connection**

MOON 3 Way cast brass 90° roof connection having tapered pipe female inlet and male outlets. Inlets 4" or 6", outlets 2½". Finish: Rough brass.



**#7216 3 Way Straight Connection**

MOON 3 Way cast brass roof connection having tapered pipe female inlet and male outlets. Inlets 4" or 6", outlets 2½". Finish: Rough brass.



**#938 Double Female Silbraze Adapter**

Adapter has silbraze female for brazing to pipe on one end and solid female hose thread on the other end. Available in ¾" or 1½" cast finish.



**#958 Double Male Silbraze Adapters**

Adapter designed for brazing to silbraze valves, flanges and fittings. Silbraze male one end with male hose thread other end. Available in sizes ½" through 4". Cast finish.



**#957 Female Male Silbraze Adapters**

Adapter is designed for brazing to brass pipe. Made with female silbraze one end with male hose thread other end. Available in sized ¼" through 4". Cast finish.



**#936 Silbraze Swivel Adapter**

Adapter has silbraze male for brazing to pipe end with swivel female hose thread on other end. Available in 1½", 2½" and 4" cast finish.



**#937 Silbraze Swivel Adapter**

Adapter has silbraze female for brazing to pipe on end with swivel female hose thread other end. Available in sizes 1½" and 2½" cast finish.



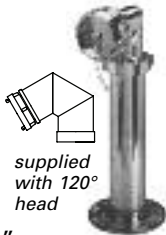
**#690 90° Sidewalk Storz Fire Department Connection**

Similar to traditional sidewalk Siamese connections. These connections have one storz inlet, 4" or 5" by 4" or 6" NPT. Comes complete with 90° storz connection, cap, 18" sleeve, and escutcheon plate. Aluminum. Painted red or Polished aluminum optional. Specify "Auto-Sprinkler," or "Standpipe," or combination plate when ordering.



**#691 120° Sidewalk Storz Fire Department Connection**

Similar to traditional sidewalk Siamese connections. These connections have one storz inlet, 4" or 5" by 4" or 6" NPT. Comes complete with 120° storz connection, cap, 18" sleeve, and escutcheon plate. Aluminum. Painted red or Polished aluminum optional. Specify "Auto-Sprinkler," or "Standpipe," or combination plate when ordering.



**#7116 Storz 30° Elbow to Swivel Female Thread**

Storz fittings, popular in Europe for decades, are now becoming popular in the United States. This adapter is storz on one side and female thread on the other, with a sweeping 30° bend. Storz and thread from 2½" to 6". Made in aluminum.



**685 Storz Caps**

Aluminum storz caps to be used with storz connections. Sizes 1½" to 6".



**#845 Storz Spanner Wrench**

Spanner wrench to be used with storz fittings. Three sizes available. One from 1½" to 3" storz, one for 4" and 5" storz, and one for 6" storz. Made in aluminum.



**#7115 Storz to solid Female Thread**

Storz fittings, popular in Europe for decades, are now becoming popular in the United States. This adapter is storz on one side and solid female thread of choice on the other. Storz and thread sizes from 1½" to 6". Made in aluminum.



**#394 Storz to solid Male Thread**

Storz fittings, popular in Europe for decades, are now becoming popular in the United States. This adapter is storz on one side and solid male thread of choice on the other, Storz and thread sizes from 1½" to 6". Made in aluminum.



**#388 Storz to Storz Adapter**

Storz fittings, popular in Europe for decades, are now becoming popular in the United States. This adapter allows you to change from one size storz to another. Available in sizes 1½" to 6". Made in aluminum.



**#387 Storz to Swivel Female Thread**

Storz fittings, popular in Europe for decades, are now becoming popular in the United States. This adapter is storz on one side and swivel female hose thread on the other. Storz and thread sizes from 2½" to 6". Made in aluminum.



**#7119 Storz Hydrant Converter**

As municipalities move towards large diameter hoses with storz couplings, they must address their older threaded hydrants. The Storz Hydrant Converter changes the steamer nozzles on an existing hydrant from 4½" threaded male to Storz.

The assembly comes with a conversion bushing, stainless set screws for mounting, storz cap and cable. Hard coated anodized grey finish. Available in 4½" x 4" storz and 4½" x 5" storz.



**#834-GHC Hose Cap with Gauge**

For taking static pressure readings on hydrants on water mains. Made in sizes 1½" and 2½" complete with gauge. Cast brass. Specify thread when ordering.



**#834-GTP Inspector's Test Gauges**

Test gauges are furnished in the 3½" size designed to provide a rugged, portable, precision instrument. The instruments are particularly suited for inspectors in the field. Also used in piezometers for flow rest readings. Available in 0-100 lbs, 0-200 lbs and 0-300 lbs.



**#834-PT Pitot Tube and Gauge**

Often known as piezometers, are used by firemen to read pressure at the nozzle to obtain flow in gallons per minute. Used for computing friction loss in hose lines and nozzles. Essential for measuring pumping capacity and for determining the amount of water discharged. 3½" dial calibrated 0 to 100 lbs. Comes complete with pitot tube, gauge and case.



**#170 Angle Hose Valves**

No. 170 Male by Female 1½" and 2½" Underwriters' Listed Angle Hose valve, cast brass body, with red enamel wheel handle. Female inlet with tapered iron pipe threads. Male outlet, specify hose thread desired. Optional finish: Polished Brass, or Chrome plated.



**#171 Angle Hose Valves**

No. 171 Double Female 1½" and 2½" Underwriters' Listed Angle Hose valve, cast brass body, with red enamel wheel handle. Female inlet and outlet with tapered iron pipe threads only. Optional finish: Polished brass, or Chrome plated.



**#172 Chicago Pattern Hose Valve**

No. 172 - cast brass double male Chicago pattern hose valve. 175 PSI for dry standpipes. Rough brass body and trim. Complete with aluminum hand wheel. Specify male outlet thread. Size: 1½" x 1½", and 2½" x 2½".



**#734 Hose Gate Valve**

A well balanced design for Fire Protection Service. Cushion wedged type for pressure either way. One piece body. Regularly furnished with fire department threads, 2½" male and 2½" female swivel. Furnished in cast brass or aluminum.



**#174 Hose Valve**

No 174 - 1" x 1½" cast brass double male hose valve. 175 PSI. Rough brass body, complete with aluminum hand wheel. One inch tapered NPT inlet. Specify male outlet thread.



**#187 Pressure Reducing Valves**

Female inlet by Male outlet Pressure Reducing Valves. No outside controls involved. Inlet pressure 300 PSI for 1½", and 400 PSI for 2½" Available in 1½" and 2½" cast brass standard, chrome plated optional.



**#188 Pressure Reducing Valves**

Double Female Pressure Reducing Valves. No outside controls involved. Inlet pressure 300 PSI for 1½", and 400 PSI for 2½". Available in 1½" and 2½" cast brass standard, chrome plated optional.



**#177 Pressure Restricting Valves**

No. 177 Male by Female 1½" and 2½" Underwriters' Listed, combination Pressure restricting and Angle Valve. Female inlet with tapered iron pipe thread only. Male outlet, specify hose thread desired. Recommended for pressures up to 300 pounds. Easily set for any inlet pressure. Cast brass body, satin trim, complete with red enamel wheel handle. Optional finish: Polished brass, or Polished Chrome.



**#178 Pressure Restricting Valves**

No. 178 Double Female 1½" and 2½" Underwriters' Listed, combination pressure restricting and angle valve. 178U Female inlet and outlet with tapered iron pipe thread only. Recommended for pressures up to 300 pounds. Easily set for any inlet pressure. Cast brass body, satin trim, complete with red enamel wheel handle. Optional finish: Polished brass, or Polished Chrome.

**#15B Single Hydrant Gate Valve**

No. 15B - 1½" and 2½" cast brass single hydrant gate valve, rough brass body, machine trim, complete with red enamel wheel handle. Having solid NPT female inlet and male hex thread outlet. Listed by Underwriters' Laboratories Inc. Pressure rated to 300 PSI.

**#180 Straight Globe Valve**

The female inlet, male outlet valves are available in 1½" and 2½" sizes. These straight pattern valves are rated to 300 PSI. Cast brass finish. Specify hose thread on outlet.

**#181 Straight Globe Valve**

These double female valves are available in 1½" and 2½" sizes. These straight pattern valves are rated to 300 PSI. Cast brass finish. Specify hose thread on outlet.





**#887 Adjustable Navy Spanner Wrench**

For use with Rocker lug, or Navy slotted couplings from ¼" through 2½". Brass construction.



**#879 Adjustable Hydrant Wrench**

Has adjustable malleable iron head designed to take all sizes of pentagon or square hydrant nuts. Spanner hook fits pin, rocker or navy slot lugs ¼" to 4½" length 18". Weight 5 lbs.



**#846 Storz Hydrant Wrench**

Has adjustable malleable iron painted black head designed to take all sizes of pentagon or square hydrant nuts. Spanner hook fits pin, rocker or navy slot lugs ¼" to 4 1/2". Storz hook used for 4, 5 and 6 in storz. length 18". Weight 5 lbs.



**#878 Double Head Adjustable Hydrant Wrench**

Has adjustable malleable iron painted black double head designed to take all sizes of pentagon or square hydrant nuts. Spanner hook fits pin, rocker or navy slot lugs ¼" to 4 1/2" length 18". Weight 5 lbs.



**#873 Combination Spanner Wrench**

Wrench is made with small end for use with 2" couplings and large end for use with 3" couplings. Particularly useful in the petroleum industry where 2" and 3" fittings are common. Stocked plated malleable iron only.



**#869 Combination Spanner Wrench**

For use on Pin lug and Rocker lugs from ¼" through 4". Handle incorporates gas cock shut off. Aluminum construction. 10" long.



**#876 Common Spanner Wrench**

Use on pin lug type fittings. Stocked plated malleable iron in sizes 1½" through 4".



**#877 Philadelphia Hydrant Wrench**

Special hydrant wrench for hydrants in Philadelphia, Pennsylvania. Cast aluminum construction.



**#872 Tabor Spanner Wrench**

Fits couplings and fittings from 1" to 4" with pin lug, rocker lug or navy slot type lugs. Can be equally well in either direction. Length 10", weight 1 lb.



**#874 Universal Spanner Wrench**

Handle end has pry lever, gas cock shut-off, and door stop. Most widely used by firemen. Available in plated malleable iron, cast brass or aluminum. Fits all lugs. Length 10".



**#874-HS Universal Spanner Holder**

For a pair of 874 Universal Spanner Wrenches. Easy release snaps to hold spanners in place. Mounts anywhere. Size 10" x 7". Weight 2 lbs.



**#881 Pickhead Fire Axe**

Demanded for breaking and entering. Precision balanced for safe handling. Pick-ax style with either white hickory or fiberglass handle. Available 4½ and 6 pounds. Length 36".



**#882 Pinch Point Crowbar**

A standard design, hefty entry tool that will give long service. Forged from fine grain open hearth carbon steel. 51" long by 1½" square. Weight 12 lbs.



**#430 Leader Line Wye**

Leader line wyes are used to split one 2½" line into two 1½" lines. Each side has an independent ball valve. Specify brass or aluminum when ordering.



**#440 Leader Line Wye**

This leader line wye will split one 2½" line into two 2½" lines. Aluminum construction painted red.



- Used for laying two lines from hydrant to pumper
- Strong lightweight construction
- Self locking handle for positive positioning

**#431 Leader Line Wye**

This leader line wye will split one 2½" line into three 2½" lines. Aluminum construction painted red.



- Used for laying three lines from the hydrant to the pumper
- Strong lightweight aluminum construction
- Self locking handle for positive positioning

**#432 Leader Line Wye**

This leader line wye will split one 4" line into two 2½" lines. Aluminum construction painted red.



**#471 Plain Wye**

Plain wyes are generally used to split one fire line into two. Female swivel inlet by male outlet. Available in 1½" inlets and outlets, 2½" inlets and 1½" outlets, and 2½" inlets and outlets.



**#429 Forestry Leader Line Wye**

Leader line wyes are used to split one line into two lines. Each side has an independent ball valve. Aluminum construction painted red.



## THREAD INFORMATION

SIZE	BASIC O.D. (MALE PART)	THREADS (PER INCH)
<b>Straight Pipe Thread (NPSH)</b>		
½	.3990	27
¼	.5270	18
¾	.6640	18
½	.8248	14
¾	1.0353	14
1	1.2951	11½
1¼	1.6399	11½
1½	1.8788	11½
2	2.3528	11½
2½	2.8410	8
3	3.4670	8
3½	3.9680	8
4	4.4660	8
4½	4.9850	8
5	5.5281	8
6	6.5848	8
8	8.5790	8
<b>*National Standard Thread (NH)</b>		
¾	1.3750	8
1	1.3750	8
1¼	1.6718	9
1½	1.9900	9
2	2.5156	8
2½	3.0686	7½
3	3.6239	6
3½	4.2439	6
4	5.0109	4
**4-SPL	4.9082	6
4½	5.7609	4
5	6.260	4
6	7.025	4

SIZE	BASIC O.D. (MALE PART)	THREADS (PER INCH)
<b>New York City Fire Dept Thread (NYFD)</b>		
1	1.660	8
1½	2.100	8
2	2.530	8
2½	3.030	8
3	3.630	8
3½	4.070	8
4	4.610	8
4½	5.800	4
<b>New York Corporation Thread (NYC)</b>		
1½	2.093	11
2	2.547	11
2½	3.000	8
<b>Chicago Hose Thread</b>		
¾	1.0810	11½
1	1.2951	11½
1¼	1.7050	11½
1½	1.9460	11½
2	2.5220	8
2½	3.0430	7
<b>Chicago Fire Dept. Thread</b>		
1	1.2951	11½
1½	1.9375	11½
2½	3.0165	7½
3½	4.0700	8
4	5.0000	4
4½	5.7500	4
5	6.0570	4
<b>*New Chicago Fire Dept Thread</b>		
1½	1.933	11½
2½	2.990	7½
<b>Pacific Coast Thread</b>		
¾	1.0625	11
1	1.3125	11½
1¼	1.8600	11
1½	2.1000	11
2	2.5500	10
2½	3.0350	7½

SIZE	BASIC O.D. (MALE PART)	THREADS (PER INCH)
<b>Eastern Hose Thread</b>		
¾	1.0781	11
1	1.4219	11
1¼	1.6875	11½
1½	2.1250	11
2	2.6719	7½
2½	3.0000	8
<b>Underwriter Tip Thread (UPT)</b>		
1½	2.1875	12
<b>Garden Hose Thread (GHT)</b>		
¾	1.0625	11½
<b>Buffalo, N.Y.</b>		
2½	3.0625	8
<b>Cleveland, Ohio &amp; Omaha Neb.</b>		
2½	3.0781	8
<b>Cincinnati Ohio (Old)</b>		
2½	3.0937	6
<b>Cincinnati Ohio (New)</b>		
2½	3.058	6
<b>Detroit, Mich.</b>		
2½	3.125	7½
<b>Denver, Colorado</b>		
2½	3.0938	8
<b>Pittsburgh, PA</b>		
2½	3.0625	6
<b>Toledo, Ohio</b>		
2½	3.0000	8
<b>Canadian Standards Assoc.</b>		
1½	1.8788	11½
2½	3.1250	5

\*National Form Thread

\*\*Navy Hose Thread

## THREAD INFORMATION

### Suction Hose Thread

	4"		4½"		5"		6"	
	ODM	TPI	ODM	TPI	ODM	TPI	ODM	TPI
American LaFrance	5.085	4	5.750	4	6.150	4	7.000	4
Applicance Corp.	4.975	4			6.225	4	6.975	4
Buffalo Fire	4.975	4			6.225	4	6.975	4
Hale Fire Pimp	5.000	4	5.750	4	6.250	4	7.000	4
Mack	4.999	4	5.7609	4	6.2059	4	6.9559	4
Maxim	5.000	4	5.750	4	6.250	4	7.000	4
Ward LaFrance	5.000	4	5.7609	4	6.250	4	7.250	4
Waterous Fire Pump	5.0109	4	5.7609	4	6.260	4	7.025	4

# INDEX

ITEM #	PAGE #	ITEM #	PAGE #	ITEM #	PAGE #	ITEM #	PAGE #	ITEM #	PAGE #
<b>0-99</b>		<b>200</b>		284A	6	<b>300</b>		<b>500</b>	
15B	38	214A	4	284T	6	336	19	504	26
29	14	214T	4	284Z	6	337	19	505	26
30	14	214Z	4	284W	6	356	3	507	24
99	28	214W	4	285A	6	357	2	509P	26
<b>100</b>		215A	4	285T	6	358	2	510	26
122P	22	215T	4	285Z	6	359	2	511	27
122R	23	215Z	4	285W	6	363	1, 3	512P	26
132	10	215W	4	287A	6	363A	4	514P	28
137	10	217W	5	287T	6	363T	4	516	27
138	10	218W	5	287Z	6	363Z	4	517	28
139	10	221	14	287W	6	363W	4	520	27
142	29	230	14	290A	6	364	1, 2	522	26
142-01	29	231	15	290T	6	367	1, 2	524	28
143	29	231-C	22	290Z	6	369	1, 2	525	28
164	22	231-M	22	290W	6	371	1	526	28
170	37	231-SL	16	291A	6	378	1, 2	528	28
171	37	251	9	291T	6	379	1, 2	529	27
172	37	264	16	291Z	6	383	12	530	25
174	37	265	16	291W	6	384	12	531	30
177	37	267	9	292	11	385	12	532	30
178	38	268	9	293	11	386	12	536	24
180	38	270	15	294	11	387	34	539	24
181	38	273	22	295	11	388	34	540	24
187	37	274-S	22	296	11	394	34	548	26
188	37	275	22	297	11	<b>400</b>		565A	4
192A	4	276	15	298	11	429	41	565T	4
192T	4	277	9	299	11	430	41	565Z	4
192Z	4	280A	6			431	41	565W	4
192W	4	280T	6			432	41	570	30
		280Z	6			440	41	572	28
		280W	6			471	41	576	30
		281A	6					580	25
		281T	6					590	7
		281Z	6					591	7
		281W	6					592	7
		282A	6					593	7
		282T	6					594	7
		282Z	6					595	7
		282W	6					598	7
								599	7

# INDEX

ITEM #	PAGE #	ITEM #	PAGE #	ITEM #	PAGE #	ITEM #	PAGE #	ITEM #	PAGE #
<b>600</b>		<b>900</b>		<b>2000</b>		<b>7000</b>		<b>8000</b>	
661	8	936	33	2112	15	7102	14	8104	27
662	8	937	33	<b>5000</b>		7103	14	8521W	5
662-H	8	938	33	5358	29	7106P	15	<b>14000</b>	
663	8	957	33	<b>6000</b>		7106R	15	14200	29
664	8	958	33	6358	18	7108	14	14300	29
670	8	<b>1100</b>		6359	18	7110	14		
685	34	1115	20	6363	18	7113	14		
690	15, 34	1117	20	6364	18	7115	34		
691	34	1121	20	6365	18	7116	34		
<b>700</b>		1129	20	6366	18	7118	14		
734	37	1131	20	6367	19	7119	35		
740	16	1135	20	6368	18	7140	17		
<b>800</b>		1137	20	6369	18	7147	13		
810	9	<b>1300</b>		6370	19	7148	13		
813	9	1345	22	6371	19	7149	13		
834-GHC	36	<b>1400</b>		6372	19	7160E	27		
834-GTP	36	1420	21			7171	27		
834-PT	36	1421	21			7209	15		
845	34	1423	21			7215	32		
846	39	1430	31			7216	32		
869	39	1431	31			7219	32		
872	39	1451	31			7220	32		
873	39								
874	39								
874-HS	40								
876	39								
877	39								
878	39								
879	39								
881	40								
882	40								
887	39								
891	12								
895	11								



**MOON**American, Inc.™

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