



GENERAL CATALOGUE

FIREPROTECTION PRODUCTS

**CERTIFICATIONS**

The approvals indicated on the catalogues could refer only to some dimensions of the products. If the information is not univocal, please contact our "Product Consulting" Service for verification.

FIRE PROTECTION PRODUCTS

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CLAPPER SNOOT TYPE

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FLUSH FIRE DEPT. INLET CONNECTIONS

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FLUSH FIRE DEPT. INLET CONNECTIONS

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FLUSH FIRE DEPT. INLET CONNECTIONS

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Please always indicate your requirements using our abbreviations and part numbers.
On request Computer Programs (IBM or IBM compatible) on Pressure Control Valves are available.

Thread
M= Male
F= Female

Lugs
R= Rocker Lug
P= Pin Lug

RB= Rough Brass
RC= Rough Chrome
PB= Polished Brass
PC= Polished Chrome
RP= Red Painted



CERTIFICATO n.
CERTIFICATE No.

0006/5

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

GIACOMINI S.p.A.

UNITÀ OPERATIVE
OPERATIVE UNITS

Sede e Unità Operativa
Via per Alzo, 39 - 28017 S. Maurizio d'Opaglio (NO)
Unità Operativa
Via Bisavola, 4 - 37014 Castelnovo del Garda (VR)
Via Brughiere, 29 - 28017 S. Maurizio d'Opaglio (NO)
Italia

E' CONFORME ALLA NORMA
IS IN COMPLIANCE WITH THE STANDARD

UNI EN ISO 9001:2001

PER LE SEGUENTI ATTIVITÀ
FOR THE FOLLOWING ACTIVITIES

EA: 18

Progettazione e produzione di : valvole per impianti di
distribuzione, raccordi in ottone, valvole a sfera, valvole
zona e saracinesche, tubi e raccordi in materie plastiche
sanitari e radianti. Assemblaggio radiatori.
Design and production of : heating and cooling
manifolds, brass fittings, ball valves, safety valves
pipes and fittings for thermal, water, sanitary
Radiators assembly.

Riferirsi al Manuale della Qualità per l'applicabilità del regolamento
Refer to Quality Manual for details of application to the certificate

Il presente certificato è soggetto al rispetto del regolamento per la certificazione
The use and the validity of this certificate shall satisfy the requirements of the rules for the certification of company environmental management systems.

Data emissione
First issue
23/07/1990

Emissione corrente
Current issue
24/07/2000

ICIM S.p.A. - PIAZZA A. DIAZ, 2 - 20123 MILANO



SGQ N° 004A
SGA N° 005D
PRG N° 004B
SCR N° 006F

Membro degli Accordi di Mutuo Riconoscimento EA e UK
Signatory of EA and UK Mutual Recognition Agreements

CISQ is a member of



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IQNet, the association of the world's first
class certification bodies, is the largest
provider of management System
Certification in the world.
IQNet is composed of more than 30
bodies and counts over 150 subsidiaries
all over the globe.



CERTIFICATO n.
CERTIFICATE No.

0032A/2

SI CERTIFICA CHE IL SISTEMA DI GESTIONE AMBIENTALE DI
WE HEREBY CERTIFY THAT THE ENVIRONMENTAL MANAGEMENT SYSTEM OPERATED BY

GIACOMINI S.p.A.

UNITÀ OPERATIVE
OPERATIVE UNITS

Via Brughiere, 29 - 28017 S. Maurizio D'Opaglio (NO)

E' CONFORME ALLA NORMA
IS IN COMPLIANCE WITH THE STANDARD

UNI EN ISO 14001:2004

PER LE SEGUENTI ATTIVITÀ
FOR THE FOLLOWING ACTIVITIES

EA: 18

Produzione di componenti e raccordi in materiali sintetici per impianti
idrotermosanitari mediante stampaggio ad iniezione ed assemblaggio
per incollaggio e per saldatura. Estrusione di tubi per uso sanitario o per
riscaldamento/raffrescamento. Assemblaggio pannelli radianti.
Production of components and fittings from synthetic materials for
hydro-thermosanitary systems through injection moulding and glueing
and welding assembly. Extrusion of pipes for sanitary or heating/cooling
use. Radiant panels assembly.

Il presente certificato è soggetto al rispetto del regolamento per la certificazione dei sistemi di gestione ambientale delle aziende
The use and the validity of this certificate shall satisfy the requirements of the rules for the certification of company environmental management systems.

Data emissione
First issue
19/09/2001

Data corrente
Current issue
19/09/2007

Data di scadenza
Expiring date
18/09/2010

ICIM S.p.A. - PIAZZA A. DIAZ, 2 - 20123 MILANO



SGQ N° 004A
SGA N° 005D
PRG N° 004B
SCR N° 006F

Membro degli Accordi di Mutuo Riconoscimento EA e UK
Signatory of EA and UK Mutual Recognition Agreements

CISQ is a member of



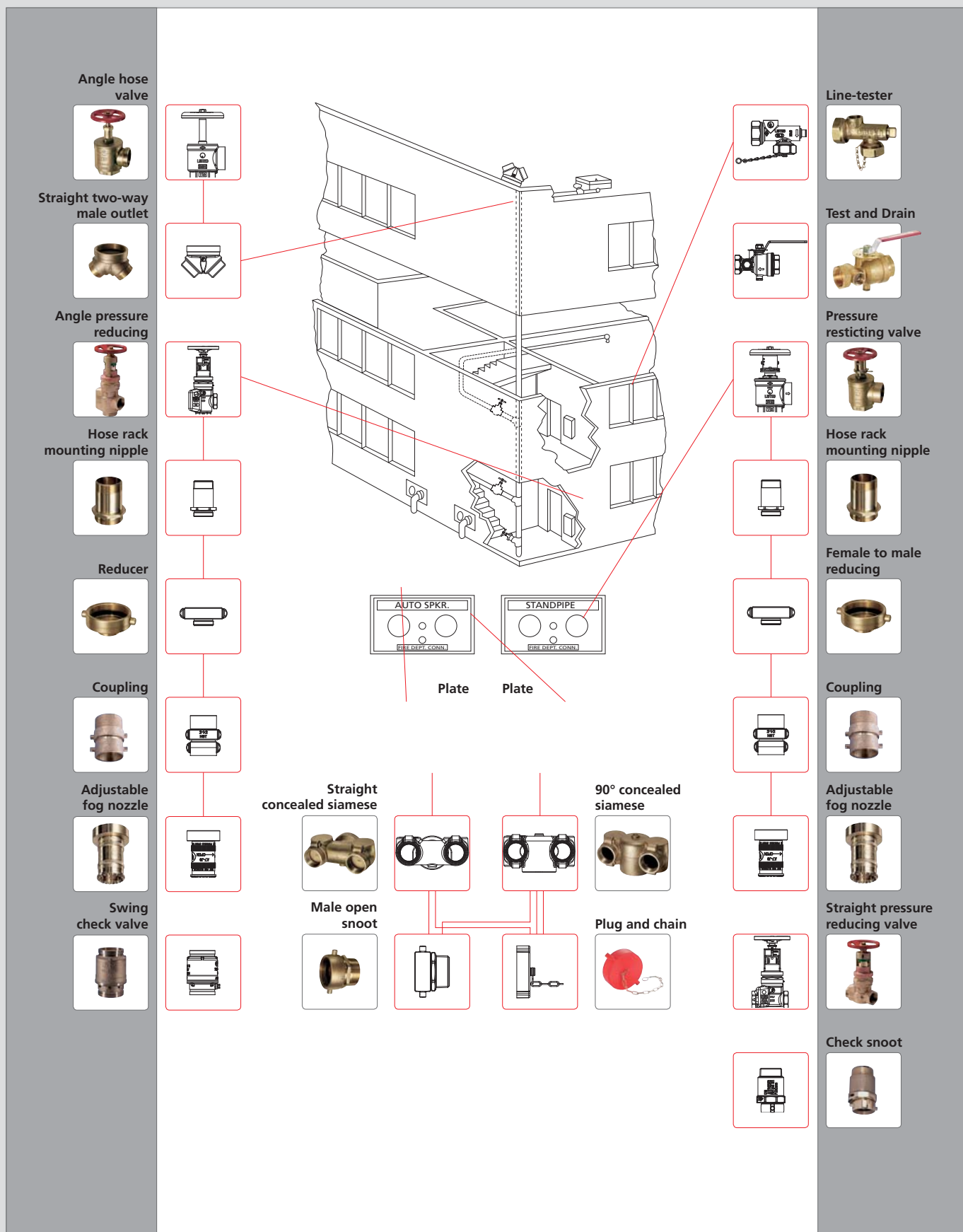
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class certification bodies, is the largest
provider of management System
Certification in the world.
IQNet is composed of more than 30
bodies and counts over 150 subsidiaries
all over the globe.

CISQ è la Federazione Italiana di
Organismi di Certificazione dei
sistemi di gestione aziendale
CISQ is the Italian Federation
of management system
Certification Bodies

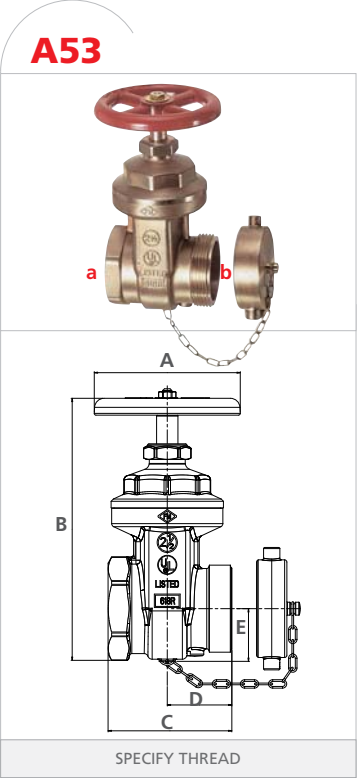




FIRE PROTECTION PRODUCTS



Gate Valve 300 Lb. Rated



- Straightway pattern, non-rising stem, 300 lb. hose gate valves are intended for use on standpipes, fire pumps and hydrants.

FEMALE X MALE

Standard equipment:
Female NPT inlet x male hose thread outlet, forged brass with red hand wheel, solid wedge disc with tapered seats.
Available without cap and chain.

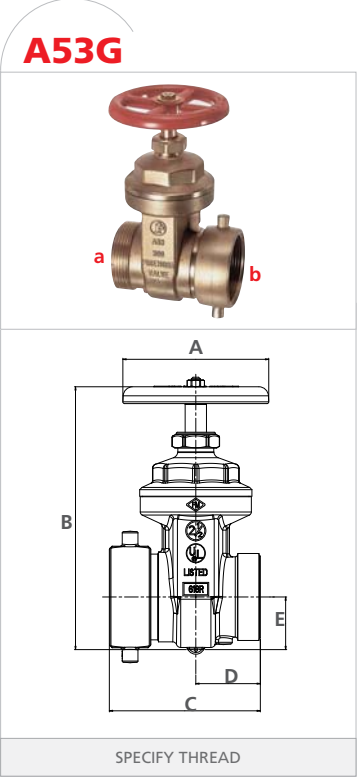
Optional Finishes:
PB
RC
PC

CERTIFICATIONS	

a	b
2-1/2"	2-1/2"
3"	2-1/2"

	2-1/2" x 2-1/2"	3" x 2-1/2"
A	5-5/32"	5-5/32"
B	9-19/64"	9-19/64"
C	4-11/32"	4-11/32"
D	2-17/64"	2-17/64"
E	1-57/64"	1-57/64"

Single Hydrant Gate Valve



- Straightway pattern, non-rising stem, 300 lb. hose gate valves are intended for use on standpipes, fire pumps and hydrants.

Standard equipment:
Brass body with brass trim, pin lug, female hose thread swivel inlet x male hose thread outlet.
Red hand wheel.

Note:
Particularly used when space limitation or appearance preclude a permanet type installation.

Optional Trim:
Swivel inlet with rocker lugs.

CERTIFICATIONS	
	LISTED 618R

a	b
2-1/2"	2-1/2"

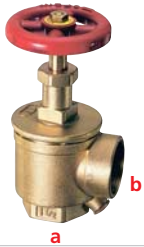
	2-1/2" x 2-1/2"
A	5-5/32"
B	9-19/64"
C	5-13/64"
D	2-17/64"
E	1-57/64"



FIRE PROTECTION PRODUCTS

Angle Hose Valve With Hydrolator

A50



- Used with a Fire Hose Rack Assembly, or as a Fire Dept. outlet connection.

DOUBLE FEMALE

Standard equipment:

Female NPT inlet and outlet forged brass valve.
Red hand wheel.

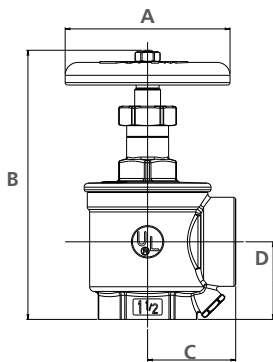
Optional Finishes:

PB
RC
PC

CERTIFICATIONS



CE x 589



a	b
1-1/2"	1-1/2"

	1-1/2" x 1-1/2"
A	4-1/64"
B	7-11/16"
C	2-9/64"
D	1-57/64"

Angle Hose Valve With Hydrolator

A51



- Used with a Fire Hose Rack Assembly, or as a Fire Dept. outlet connection.

FEMALE x MALE

Standard equipment:

Female NPT inlet x male hose thread outlet forged brass valve.
Red hand wheel.

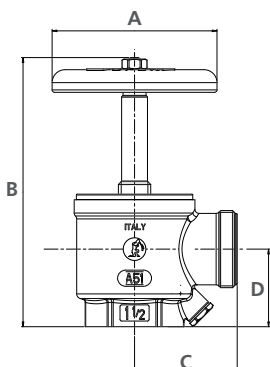
Optional Finishes:

PB

CERTIFICATIONS



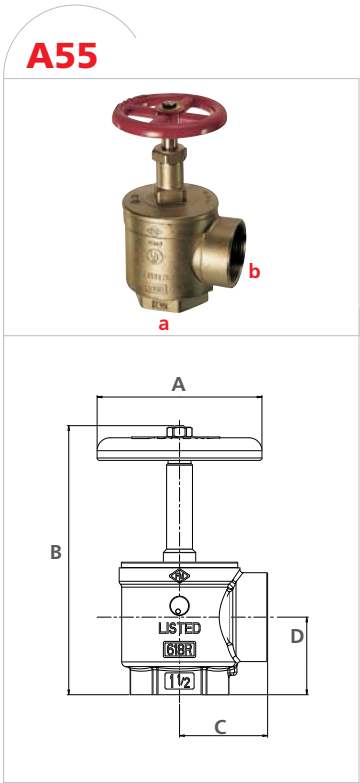
CE x 589



a	b
1-1/2"	1-1/2"

	1-1/2" x 1-1/2"
A	4-1/64"
B	7-11/16"
C	2-1/2"
D	1-57/64"

Angle Hose Valve 300 Lb. Rated



► Used with a Fire Hose Rack Assembly, or as a Fire Dept. outlet connection.

DOUBLE FEMALE

Standard equipment:
Female NPT inlet and outlet forged brass valve.
Red hand wheel.

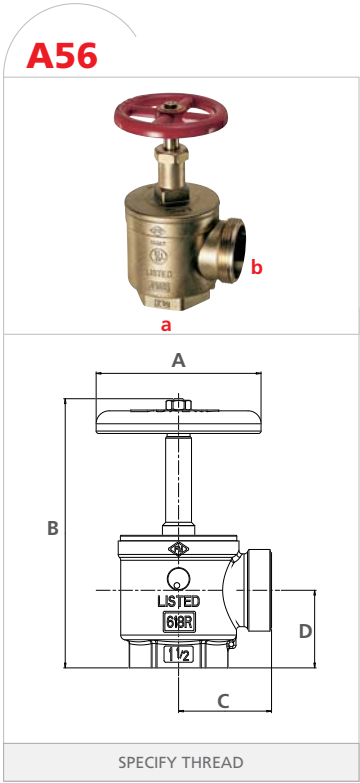
Optional Finishes:
PB
RC
PC

CERTIFICATIONS		
		
APPROVED	CE x 589	LISTED 618R

a	b
1-1/2"	1-1/2"
2-1/2"	2-1/2"

	1-1/2" x 1-1/2"	2-1/2" x 2-1/2"
A	4-1/64"	5-1/8"
B	7-11/16"	10-9/16"
C	2-9/64"	3-5/32"
D	1-57/64"	2-41/64"

Angle Hose Valve 300 Lb. Rated



► Used with a Fire Hose Rack Assembly, or as a Fire Dept. outlet connection.

FEMALE X MALE

Standard equipment:
Female NPT inlet x male hose thread outlet forged brass valve.
Red hand wheel.

Optional Finishes:
PB
RC
PC

CERTIFICATIONS		
		
APPROVED	CE x 589	LISTED 618R

a	b
1-1/2"	1-1/2"
2-1/2"	2-1/2"

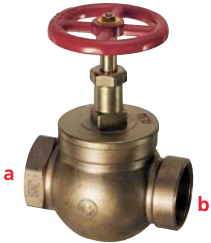
	1-1/2" x 1-1/2"	2-1/2" x 2-1/2"
A	4-1/64"	5-1/8"
B	7-11/16"	10-9/16"
C	2-17/64"	3-3/16"
D	1-57/64"	2-41/64"



FIRE PROTECTION PRODUCTS

Straight Globe Hose Valve 300 Lb. Rated

A85



- Used with a Fire Hose Rack Assembly, or as a Fire Dept. outlet connection. Ideal for wet and combination system.

DOUBLE FEMALE

Standard equipment:
Female NPT inlet and outlet cast brass valve, 300 lb.
Red hand wheel.

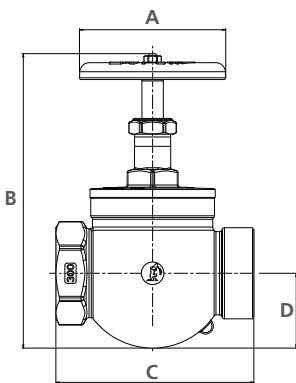
CERTIFICATIONS



CE x 589

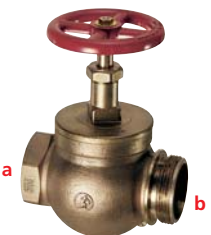
a	b
2-1/2"	2-1/2"

	2-1/2" x 2-1/2"
A	5-1/8"
B	10-53/64"
C	6-15/16"
D	2-5/8"



Straight Globe Hose Valve 300 Lb. Rated

A86



- Used with a Fire Hose Rack Assembly, or as a Fire Dept. outlet connection. Ideal for wet and combination system.

FEMALE X MALE

Standard equipment:
Female NPT inlet x male hose thread outlet cast brass valve, 300 lb.
Red hand wheel.

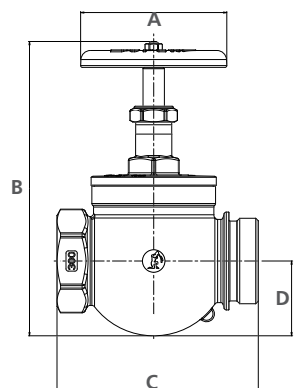
CERTIFICATIONS



CE x 589

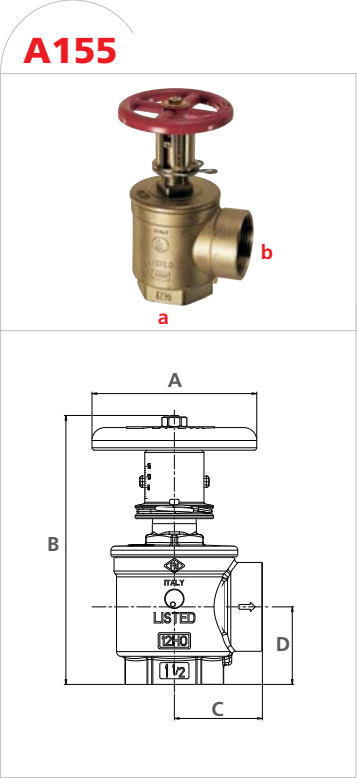
a	b
2-1/2"	2-1/2"

	2-1/2" x 2-1/2"
A	5-1/8"
B	10-53/64"
C	7-3/64"
D	2-5/8"



SPECIFY THREAD

Pressure Reducing Device Angle Valve 175 Lb. Rated



- Adjustable restriction of residual pressures up to 175 lb. Locking pin device restricts full opening of valve by untrained personnel, pin may be removed by firefighters to allow full opening of valve.

DOUBLE FEMALE

Standard equipment:
Female NPT inlet and outlet forged brass valve.
Red hand wheel.

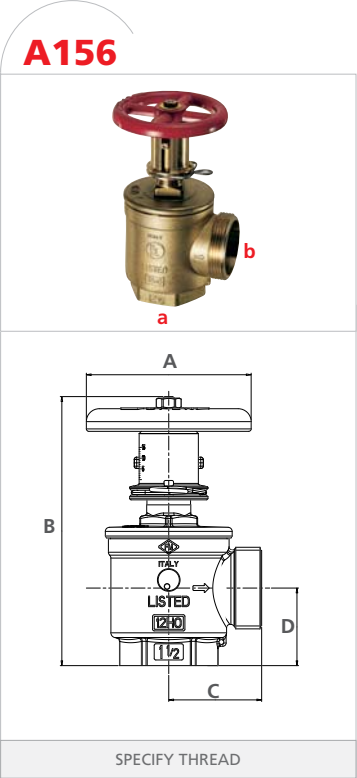
Optional Finishes:
PB
RC
PC

CERTIFICATIONS		
CE x 1258	LISTED 12HO	

a	b
1-1/2"	1-1/2"
2-1/2"	2-1/2"

	1-1/2" x 1-1/2"	2-1/2" x 2-1/2"
A	4-1/64"	5-1/8"
B	7-3/32"	9-31/32"
C	2-9/64"	3-5/16"
D	1-57/64"	2-41/64"

Pressure Reducing Device Angle Valve 175 Lb. Rated



- Adjustable restriction of residual pressures up to 175 lb. Locking pin device restricts full opening of valve by untrained personnel, pin may be removed by firefighters to allow full opening of valve.

FEMALE X MALE

Standard equipment:
Female NPT inlet x male hose thread outlet forged brass valve.
Red hand wheel.

Optional Finishes:
PB
RC
PC

CERTIFICATIONS		
CE x 1258	LISTED 12HO	

a	b
1-1/2"	1-1/2"
2-1/2"	2-1/2"

	1-1/2" x 1-1/2"	2-1/2" x 2-1/2"
A	4-1/64"	5-1/8"
B	7-3/32"	9-31/32"
C	2-17/64"	3"
D	1-57/64"	2-41/64"



FIRE PROTECTION PRODUCTS

Angle Pressure Reducing Valve With Checking Device

A201

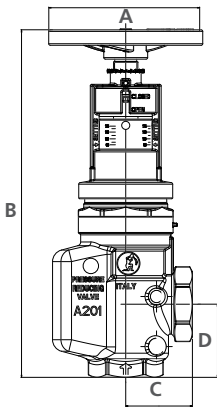


- 400lb. field adjustable automatic pressure regulating valve for use as a fire hose rack assembly valve or sprinkler control valve where pressure requires regulation.

DOUBLE FEMALE

Standard equipment:

Cast bronze valve with Female NPT inlet and outlet.
Visual indicator.
Red hand wheel.
With 1/4" NPT side taps for pressure gauges



CERTIFICATIONS



CE x 1259 LISTED 12HO

a	b
2-1/2"	2-1/2"

	2-1/2" x 2-1/2"
A	7-1/8"
B	17-27/32"
C	3-13/32"
D	3-3/4"

Angle Pressure Reducing Valve

A202

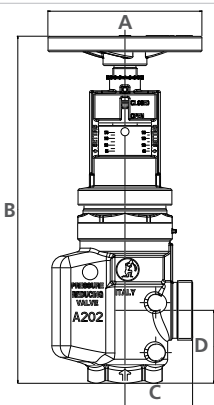


- 400lb. field adjustable automatic pressure regulating valve for use as a fire hose rack assembly valve or sprinkler control valve where pressure requires regulation.

FEMALE X MALE

Standard equipment:

Cast bronze valve with Female NPT inlet x male hose thread outlet.
Visual indicator.
Red hand wheel.
With 1/4" NPT side taps for pressure gauges



SPECIFY THREAD

CERTIFICATIONS

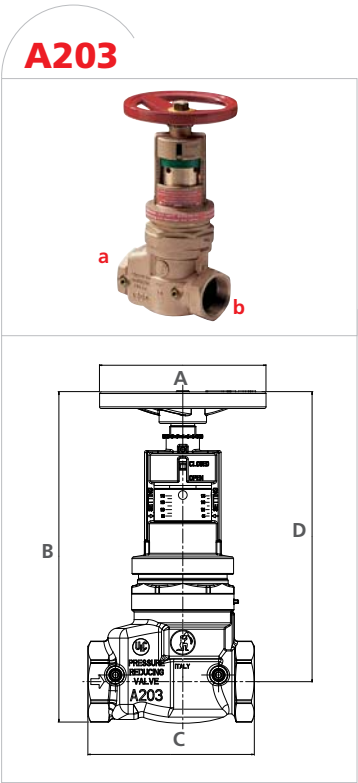


CE x 1259 LISTED 12HO

a	b
2-1/2"	2-1/2"

	2-1/2" x 2-1/2"
A	7-7/8"
B	17-27/32"
C	3-15/32"
D	3-3/4"



Straight Pressure Reducing Valve With Checking Device



► 400lb. field adjustable automatic pressure regulating valve for use as a fire hose rack assembly valve or sprinkler control valve where pressure requires regulation.

DOUBLE FEMALE

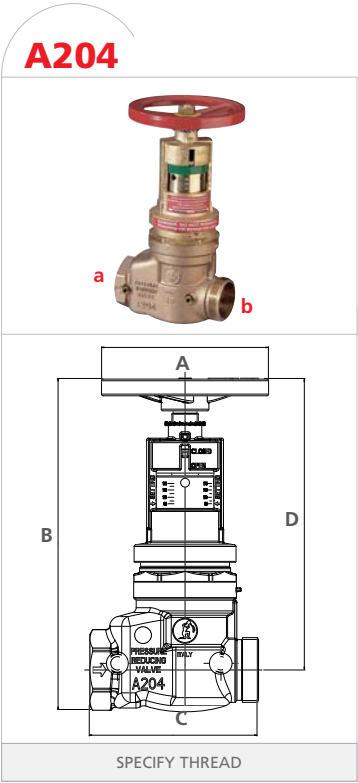
Standard equipment:
Cast bronze valve with Female NPT inlet and outlet.
Visual indicator.
Red hand wheel.
With 1/4" NPT side taps for pressure gauges

CERTIFICATIONS	
	
CE x 1259	LISTED 12HO

a	b
2-1/2"	2-1/2"

	2-1/2" x 2-1/2"
A	7-7/8"
B	15-15/16"
C	7-7/8"
D	14-11/16"



Straight Pressure Reducing Valve



► 400lb. field adjustable automatic pressure regulating valve for use as a fire hose rack assembly valve or sprinkler control valve where pressure requires regulation.

FEMALE X MALE

Standard equipment:
Cast bronze valve with Female NPT inlet x male hose thread outlet.
Visual indicator.
Red hand wheel.
With 1/4" NPT side taps for pressure gauges

CERTIFICATIONS	
	
CE x 1260	LISTED 12HO

a	b
2-1/2"	2-1/2"

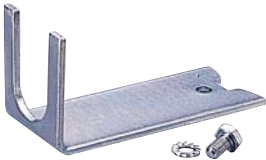
	2-1/2" x 2-1/2"
A	7-7/8"
B	15-15/16"
C	8"
D	14-11/16"



FIRE PROTECTION PRODUCTS

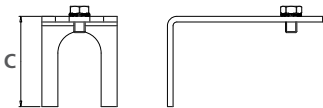
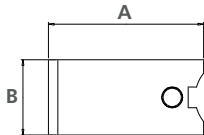
Monitor Switch Adapter

A170



► To be installed on pressure reducing valves A201 - A202 - A203 - A204

	A170
A	3-1/4"
B	3-37/64"
C	1-57/64"



Swing Check Valve

A140



► For sprinkler and standpipe systems.

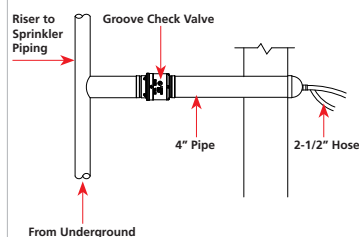
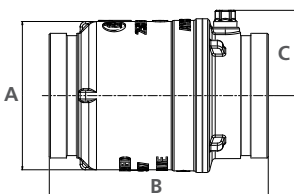
Available with the following threads:
4" NPT inlet x Groove outlet;
4" NPT Male inlet x NPT Female outlet;
4" Groove inlet and outlet.

4" MALE x FEMALE is FM approved
as "Anti-water Hammer check valve"

CERTIFICATIONS



CE x 1260 LISTED 97X7

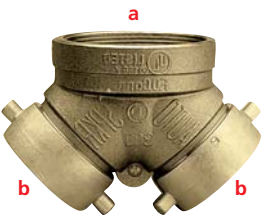


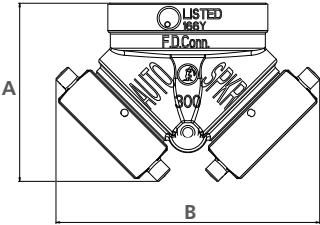
a	b
4"	4"

	4"
A	5-23/64"
B	7-29/32"
C	3"

Straight Single Clapper Two-Way Inlets

A95






SPECIFY THREAD

► Exposed auxiliary inlet connection with 500 G.P.M. inlet capacity to supplement fire protection water supply. Exposed design provides an economical method of satisfying Fire Dept. inlet requirements.

Standard equipment:
Cast brass two-way inlet body with single swing clapper and pin or rocker lug hose thread swivel; straight NPT outlet connection.

Branding: "AUTO SPKR"

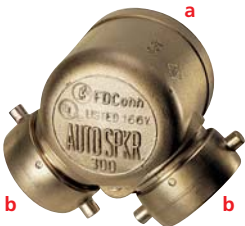
CERTIFICATIONS		
		
APPROVED	CE x 1191	LISTED 166Y

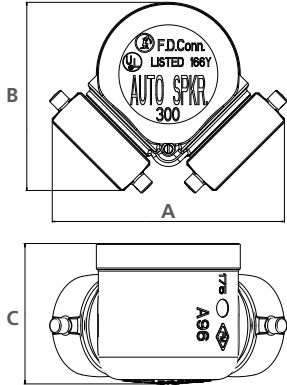
a	b
4"	2-1/2"

	4" x 2-1/2"
A	5-33/64"
B	8-5/64"

90° Single Clapper Two-Way Inlets

A96







SPECIFY THREAD

► Exposed auxiliary inlet connection with 500 G.P.M. inlet capacity to supplement fire protection water supply. Exposed design provides an economical method of satisfying Fire Dept. inlet requirements.

Standard equipment:
Cast brass two-way inlet body with single swing clapper and pin or rocker lug hose thread swivel; angle NPT outlet connection.

Branding: "AUTO SPKR"

CERTIFICATIONS		
		
CE x 1191	LISTED 166Y	

a	b
4"	2-1/2"

	4" x 2-1/2"
A	8-5/64"
B	6-11/16"
C	4-29/32"



FIRE PROTECTION PRODUCTS

Straight Two-way Male Outlets

A97



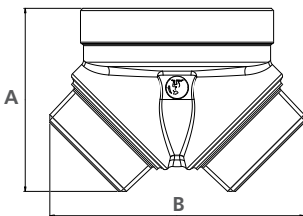
- Used as a standpipe roof outlet connection by the fire service. Provides 250 G.P.M. minimum per outlet. Used with straight or angle hose valves to provide water control

Standard equipment:
Cast brass body with female NPT inlet and male NPT or male hose thread outlets.
Straight connection.

Rated pressure: 300 psi

a	b
4"	2-1/2"
6"	2-1/2"

	4" x 2-1/2"	6" x 2-1/2"
A	4-57/64"	5-23/32"
B	6-57/64"	8-5/8"



SPECIFY THREAD

Straight Three-way Male Outlets

A97



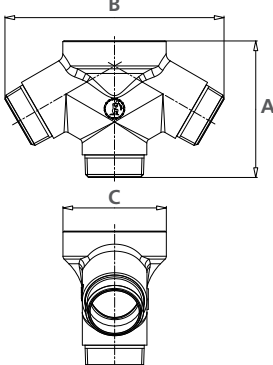
- Used as a standpipe roof outlet connection by the fire service. Provides 250 G.P.M. minimum per outlet. Used with straight or angle hose valves to provide water control

Standard equipment:
Cast brass body with female NPT inlet and male NPT or male hose thread outlets.
Straight connection.

Rated pressure: 300 psi

a	b
4"	2-1/2"
6"	2-1/2"

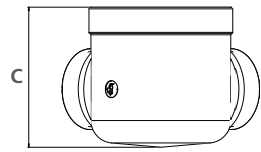
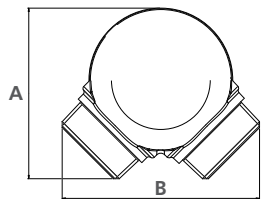
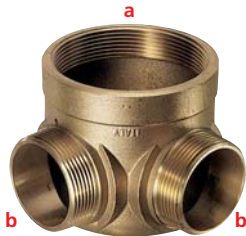
	4" x 2-1/2"	6" x 2-1/2"
A	6-21/32"	6-57/64"
B	10-11/16"	10-11/16"
C	5-3/64"	7-3/32"



SPECIFY THREAD

90° Two-way Male Outlets

A98



SPECIFY THREAD

- Used as a standpipe roof outlet connection by the fire service. Provides 250 G.P.M. minimum per outlet. Used with straight or angle hose valves to provide water control

Standard equipment:
Cast brass body with female NPT inlet and male NPT or male hose thread outlets.
Straight connection.

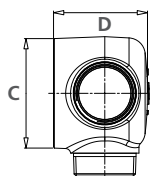
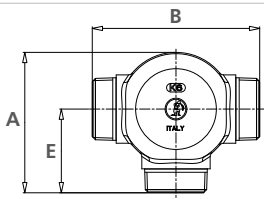
Rated pressure: 300 psi

a	b
4"	2-1/2"
6"	2-1/2"

	4" x 2-1/2"	6" x 2-1/2"
A	6-7/64"	8-9/64"
B	7-11/64"	9-1/64"
C	4-29/32"	4-33/64"

90° Three-way Male Outlets

A98



SPECIFY THREAD

- Used as a standpipe roof outlet connection by the fire service. Provides 250 G.P.M. minimum per outlet. Used with straight or angle hose valves to provide water control

Standard equipment:
Cast brass body with female NPT inlet and male NPT or male hose thread outlets.
Straight connection.

Rated pressure: 300 psi

a	b
4"	2-1/2"
6"	2-1/2"

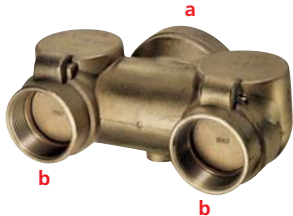
	4" x 2-1/2"	6" x 2-1/2"
A	6-15/32"	8-35/64"
B	6-21/32"	9-27/32"
C	5-3/64"	7-3/32"
D	5-21/64"	4-29/64"
E	5-55/64"	7-59/64"



FIRE PROTECTION PRODUCTS

Straight Concealed Siamese

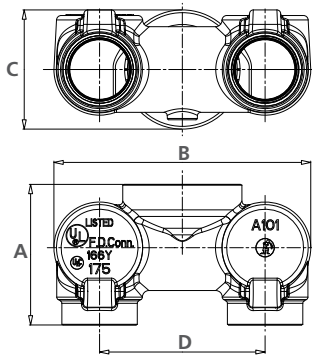
A101



- Concealed auxiliary inlet with 500 G.P.M. inlet capacity to supplement Fire Protection water supply.

Standard equipment:

Cast brass two-way inlet body with double drop clappers; NPT Threads.



CERTIFICATIONS



CE x 1191

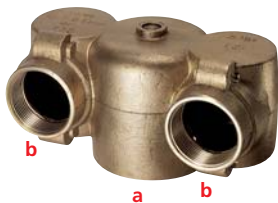
LISTED 175

a	b
4"	2-1/2"
4"	3"
6"	2-1/2"

	4" x 2-1/2"	4" x 3"	6" x 2-1/2"
A	5-61/64"	6-31/64"	8-19/64"
B	10-55/64"	12-1/16"	11-31/64"
C	3-3/64"	5-19/64"	7-3/32"
D	7"	7-5/8"	7-5/8"

90° Concealed Siamese

A102



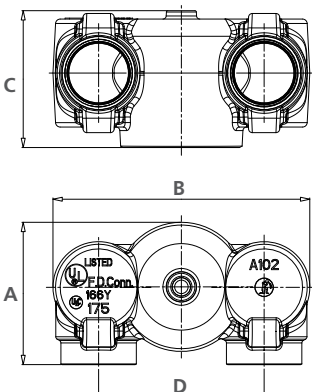
- Concealed auxiliary inlet with 500 G.P.M. inlet capacity to supplement Fire Protection water supply.

Standard equipment:

Cast brass two-way inlet body with double drop clappers; NPT Threads.

Note:

One body can serve as bottom or top feed by changing clappers.



CERTIFICATIONS



CE x 1191

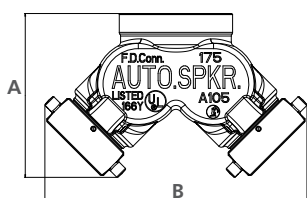
LISTED 618R

a	b
4"	2-1/2"
4"	3"
6"	2-1/2"

	4" x 2-1/2"	4" x 3"	6" x 2-1/2"
A	6-1/64"	6-1/2"	8-39/64"
B	10-55/64"	12-1/16"	12-15/32"
C	5-25/32"	6-9/32"	6-21/64"
D	7"	7-5/8"	7-5/8"

Straight Double Clapper Two-way Inlets

A105



SPECIFY THREAD

- Exposed auxiliary inlet connection with 500 G.P.M. inlet capacity to supplement fire protection water supply. Exposed design provides an economical method of satisfying Fire Dept. inlet requirements.

Standard equipment:

Cast brass two-way inlet body with double drop clappers and pin lug hose thread swivels; straight NPT outlet connection.

Branding:

A105/1 - AUTO-SPKR

A105/2 - STANDPIPE

CERTIFICATIONS



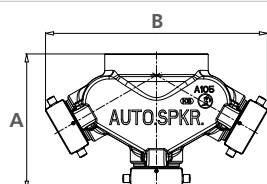
LISTED 166Y

a	b
4"	2-1/2"
4"	3"
6"	2-1/2"
6"	3"

	4" x 2-1/2"	4" x 3"	6" x 2-1/2"	6" x 3"
A	7-9/32"	8-1/32"	8-5/32"	8-23/32"
B	11-21/32"	12-27/32"	11-21/32"	12-7/8"

Straight Triple Clapper Three-way Inlets

A105



SPECIFY THREAD

- Exposed auxiliary inlet connection with 500 G.P.M. inlet capacity to supplement fire protection water supply. Exposed design provides an economical method of satisfying Fire Dept. inlet requirements.

Standard equipment:

Cast brass three-way inlet body with triple drop clappers and pin lug hose thread swivels; straight NPT outlet connection.

Branding:

A105/1 - AUTO-SPKR

A105/2 - STANDPIPE

a	b
4"	2-1/2"
6"	2-1/2"

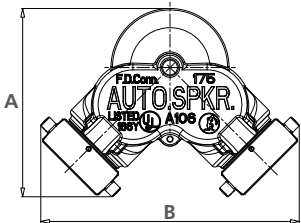
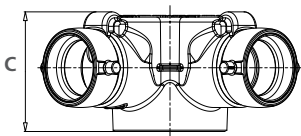
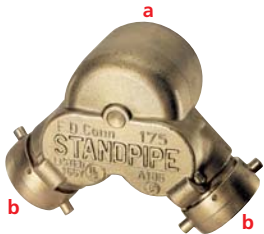
	4" x 2-1/2"	6" x 2-1/2"
A	9-17/64"	9-17/64"
B	15-13/64"	15-13/64"
C	7-3/32"	7-3/32"



FIRE PROTECTION PRODUCTS

90° Double Clapper Two-way Inlets

A106



SPECIFY THREAD

- Exposed auxiliary inlet connection with 500 G.P.M. inlet capacity to supplement fire protection water supply. Exposed design provides an economical method of satisfying Fire Dept. inlet requirements.

Standard equipment:

Cast brass two-way inlet body with double drop clappers and pin lug hose thread swivels; angle NPT outlet connection.

Branding:

A106/1 - AUTO-SPKR
A106/2 - STANDPIPE

CERTIFICATIONS

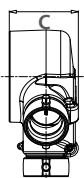
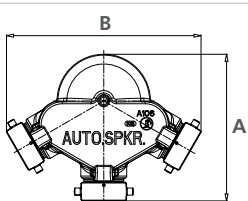


a	b
4"	2-1/2"
4"	3"
6"	2-1/2"
6"	3"

	4" x 2-1/2"	4" x 3"	6" x 2-1/2"	6" x 3"
A	8-31/64"	9-3/32"	9-15/32"	10-3/32"
B	11-21/32"	12-27/32"	11-21/32"	12-7/8"
C	5-25/64"	5-21/32"	5-25/64"	5-57/64"

90° Triple Clapper Three-way Inlets

A106



SPECIFY THREAD

- Exposed auxiliary inlet connection with 500 G.P.M. inlet capacity to supplement fire protection water supply. Exposed design provides an economical method of satisfying Fire Dept. inlet requirements.

Standard equipment:

Cast brass three-way inlet body with triple drop clappers and pin lug hose thread swivels; angle NPT outlet connection.

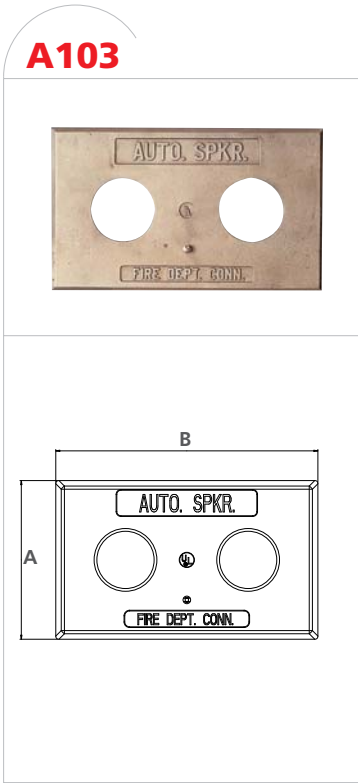
Branding:

A106/1 - AUTO-SPKR
A106/2 - STANDPIPE

a	b
4"	2-1/2"
6"	2-1/2"

	4" x 2-1/2"	6" x 2-1/2"
A	11-29/64"	11-29/64"
B	15-13/64"	15-13/64"
C	5-25/64"	5-25/64"

Plate



► Suitable to A101 -A102

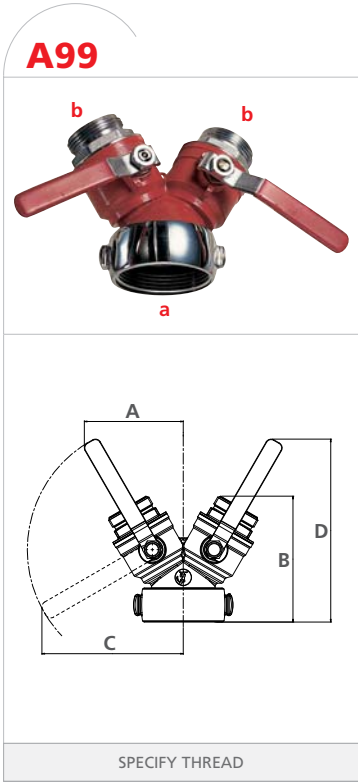
Standard equipment:
Cast brass two-way inlet body
with double drop clappers.

Branding:
A103/1 - AUTO-SPKR
A103/2 - STANDPIPE
A103/3 - AUTO-SPKR STANDPIPE
A103/4 - WALL HYDRANT
A103/5 - PLAIN BUT UL EMBLEM

Optional Finishes:
PB
PC

	A103
A	9-3/32"
B	15-3/64"

Leader Line Dual Ball Valve



► Chrome plated furnished with
rocker lug swivels.

Standard equipment:
Red painted.

a	b
2-1/2"	1-1/2"

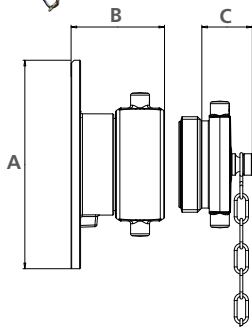
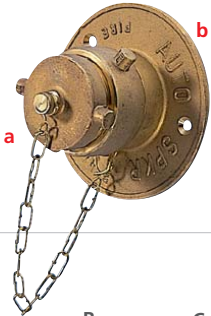
	2-1/2" x 1-1/2"
A	4-13/32"
B	5-35/64"
C	6-7/64"
D	8-15/64"



FIRE PROTECTION PRODUCTS

Single Inlet Connection

A190T



SPECIFY THREAD

- For residential sprinkler systems. Available with NST or NPSH thread.

A190: no plug and chain.

CERTIFICATIONS



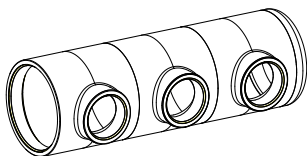
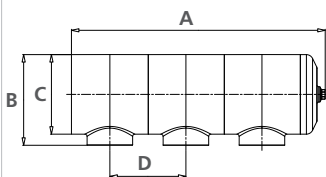
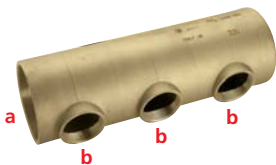
LISTED 166Y

a	b
1-1/2"	1-1/2"

	1-1/2" x 1-1/2"
A	4-11/32"
B	1-61/64"
C	29/32"

Flush Fire Dept. Inlet Connections - Clapper Snoot Type

A111 End Outlet Body



SPECIFY THREAD

- Used as an auxiliary inlet connection to supplement the fire protection water supply.

Available with 3, 4, 6 inlets;
NPT Threads.

Rated pressure: 300 psi

CERTIFICATIONS

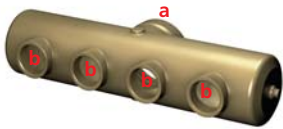


LISTED 10PM

a	b
6"	3"
8"	3"

	6" x 3" /3	6" x 3" /4	6" x 3" /6
A	23-23/64"	30-23/64"	44-23/64"
B	8-11/32"	8-11/32"	8-11/32"
C	7-21/64"	7-21/64"	7-21/64"
D	7"	7"	7"

A112 Back Outlet Body



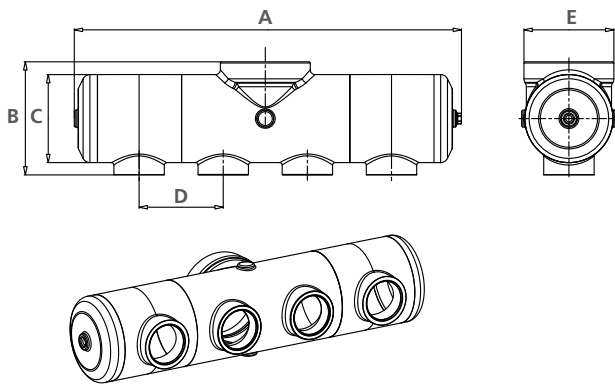
- Used as an auxiliary inlet connection to supplement the fire protection water supply.

Available with 4, 6 inlets;
NPT Threads.

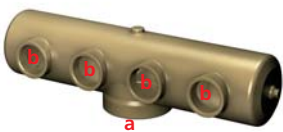
Rated pressure: 300 psi

a	b
6"	3"
8"	3"

	6" x 3" /4	6" x 3" /6
A	32-7/32"	46-7/32"
B	9-13/32"	9-13/32"
C	7-21/64"	7-21/64"
D	7"	7"
E	7-31/64"	7-31/64"



A113 Angle Outlet Body



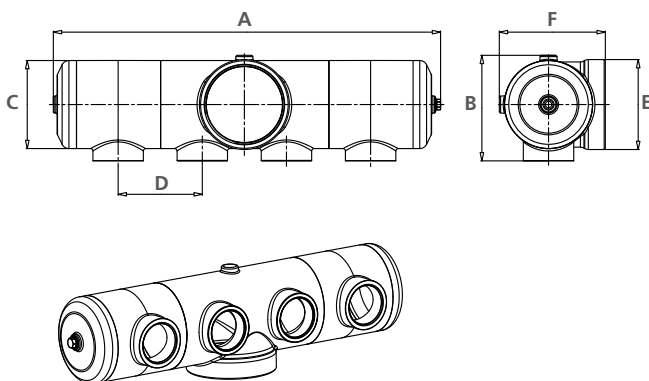
- Used as an auxiliary inlet connection to supplement the fire protection water supply.

Available with 4, 6 inlets;
NPT Threads.

Rated pressure: 300 psi

a	b
6"	3"
8"	3"

	6" x 3/4"	6" x 3/6"
A	32-7/32"	46-7/32"
B	8-25/32"	8-25/32"
C	7-21/64"	7-21/64"
D	7"	7"
E	7-31/64"	7-31/64"
F	8-13/16"	8-13/16"

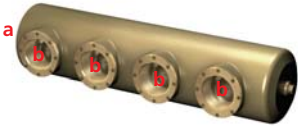




FIRE PROTECTION PRODUCTS

Flush Fire Dept. Inlet Connections - Clapper Body Type

A121 End Outlet Body



- Used as an auxiliary inlet connection to supplement the fire protection water supply. Drop clappers provide unobstructed waterway.

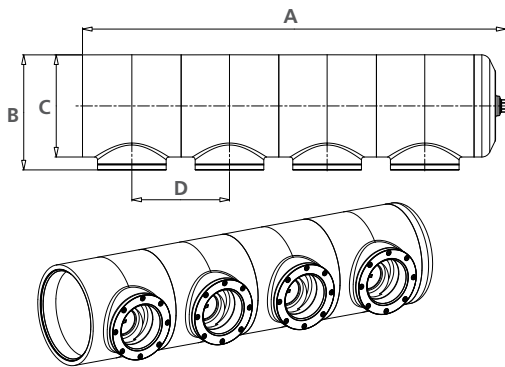
Supplied with HL configuration
Available with 3, 4, 6 inlets;
NPT Threads.

Standard version "Horizontal Left"

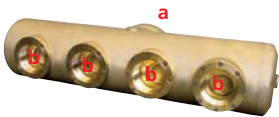
a	b
6"	3"
8"	3"

	6" x 3" /3	6" x 3" /4	6" x 3" /6
A	23-23/64"	30-23/64"	44-23/64"
B	8-1/4"	8-1/4"	8-1/4"
C	7-21/64"	7-21/64"	7-21/64"
D	7"	7"	7"

Rated pressure: 300 psi



A122 Back Outlet Body



- Used as an auxiliary inlet connection to supplement the fire protection water supply. Drop clappers provide unobstructed waterway.

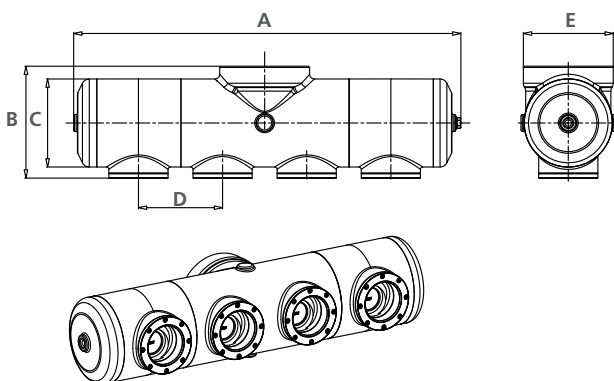
Supplied with H configuration
Available with 4, 6 inlets;
NPT Threads.

Standard version "Horizontal"

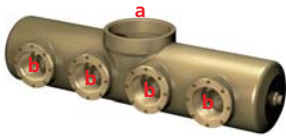
a	b
6"	3"
8"	3"

	6" x 3" /4	6" x 3" /6
A	32-7/32"	46-7/32"
B	9-5/16"	9-5/16"
C	7-21/64"	7-21/64"
D	7"	7"
E	7-31/64"	7-31/64"

Rated pressure: 300 psi



A123 Angle Outlet Body



- Used as an auxiliary inlet connection to supplement the fire protection water supply. Drop clappers provide unobstructed waterway.

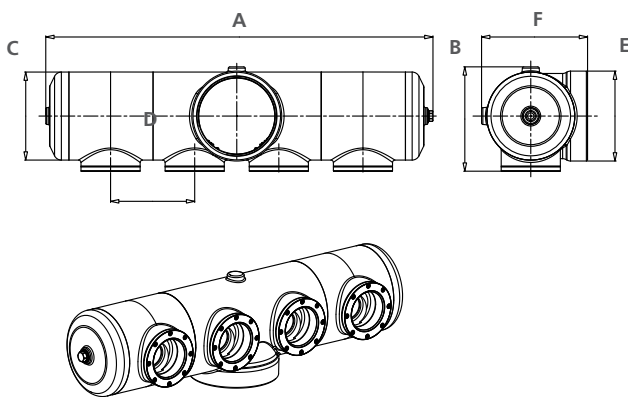
Supplied with HB configuration
Available with 4, 6 inlets;
NPT Threads.

Standard version "Horizontal Bottom"

a	b
6"	3"
8"	3"

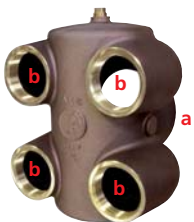
	6" x 3" /4	6" x 3" /6
A	32-7/32"	46-7/32"
B	8-11/16"	8-11/16"
C	7-21/64"	7-21/64"
D	7"	7"
E	7-31/64"	7-31/64"
F	8-13/16"	8-13/16"

Rated pressure: 300 psi



Flush Fire Dept. Inlet Connections - Clapper Snoot Type Four-way Square Body

A114 Back Outlet Body



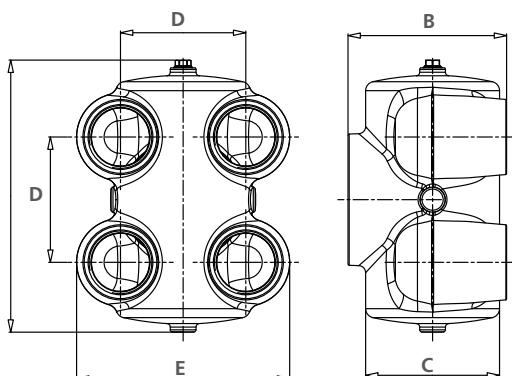
- Used as an auxiliary inlet connection to supplement the fire protection water supply.

Available with NPT Threads.

Rated pressure: 300 psi

a	b
6"	3"
8"	3"

	6" x 3"
A	15-13/64"
B	8-55/64"
C	7-31/64"
D	7"
E	11-29/32"





FIRE PROTECTION PRODUCTS

A115 Angle Outlet Body



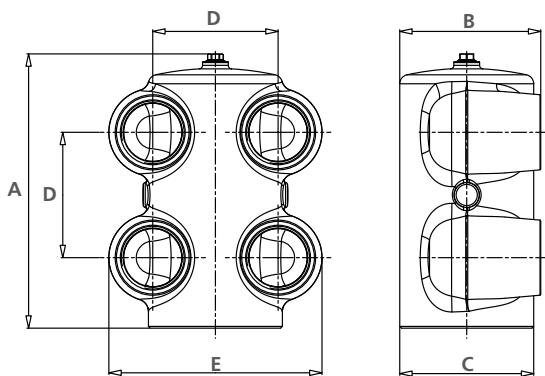
- Used as an auxiliary inlet connection to supplement the fire protection water supply.

Available with NPT Threads.

Rated pressure: 300 psi

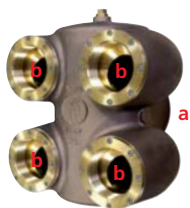
a	b
6"	3"
8"	3"

	6" x 3"
A	15-5/16"
B	8-55/64"
C	7-31/64"
D	7"
E	11-29/32"



Flush Fire Dept. Inlet Connections - Clapper Body Type Four-way Square Body

A124 Back Outlet Body



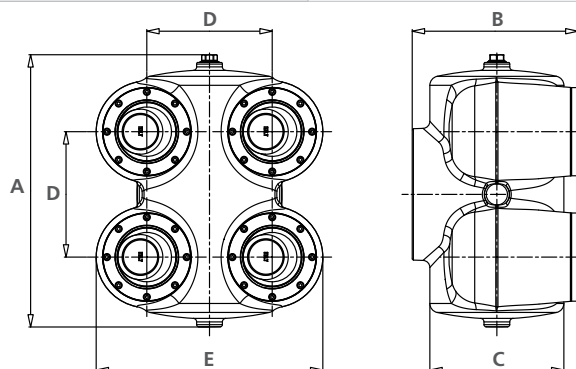
- Used as an auxiliary inlet connection to supplement the fire protection water supply. Drop clappers provide unobstructed waterway.

Available with NPT Threads.

Rated pressure: 300 psi

a	b
6"	3"
8"	3"

	6" x 3"
A	15-13/64"
B	9-1/4"
C	7-31/64"
D	7"
E	12-21/32"



A125 Angle Outlet Body



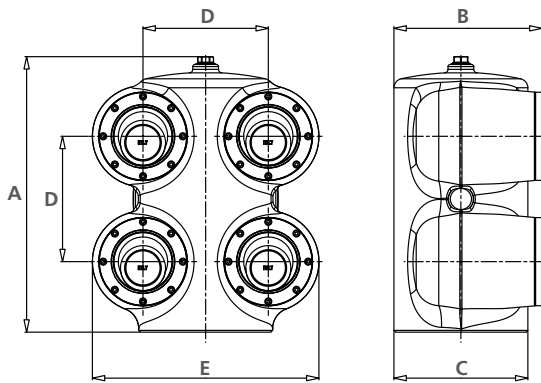
- Used as an auxiliary inlet connection to supplement the fire protection water supply. Drop clappers provide unobstructed waterway.

Supplied with B configuration;
NPT Threads.

Standard version "Bottom"
Rated pressure: 300 psi

a	b
6"	3"
8"	3"

	6" x 3"
A	15-25/64"
B	8-17/64"
C	7-31/64"
D	7"
E	12-21/32"





FIRE PROTECTION PRODUCTS

Hose Rack Mounting Nipple

A65



- Used to mount or hold rack.

Standard equipment:

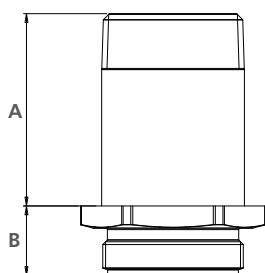
Forged brass finish valve with male NPT inlet x male hose thread outlet.

Optional Finishes:

RB
PB
RC
PC

a	b
1-1/2"	1-1/2"
2-1/2"	2-1/2"

	1-1/2" x 1-1/2"	2-1/2" x 2-1/2"
A	2-9/16"	3-7/64"
B	59/64"	1-11/32"



SPECIFY THREAD

Female To Male Reducer

A75



- Used to reduce or change Fire Hose threads.

Standard equipment:

Forged brass with pin or rocker lugs with female thread larger than male thread.

a	b
2-1/2"	3/4"
2-1/2"	1-1/2"
2-1/2"	2"


	2-1/2" x 3/4"	2-1/2" x 1-1/2"	2-1/2" x 2"
A	1-1/16"	1-1/16"	1-1/16"
B	49/64"	5/8"	49/64"



SPECIFY THREAD

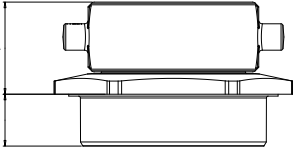
Female Open Snoot

A90



a

b



A

B

SPECIFY THREAD

► Used to connect fire hose standpipe or sprinkler system.

FEMALE (SWIVEL) x FEMALE

Standard equipment:
Polish brass with female (pin lug swivel) hose inlet x female NPT outlet.

Swivel furnished with pin or rocker lugs.

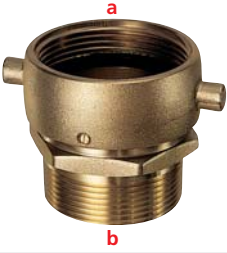
Optional Finishes:
PC

a	b
2-1/2"	2-1/2"
2-1/2"	3"

	2-1/2" x 2-1/2"	2" 1/2 x 3"
A	1-7/8"	2-1/64"
B	13/16"	1-1/32"

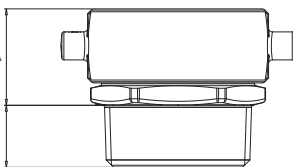
Male Open Snoot

A91



a

b



A

B

SPECIFY THREAD

► Used to connect fire hose standpipe or sprinkler system.

FEMALE (SWIVEL) x MALE

Standard equipment:
Forged brass with female (pin lug swivel) hose inlet x male NPT outlet.

Swivel furnished with pin or rocker lugs.

Optional Finishes:
PB
RC
PC

a	b
1-1/2"	1-1/2"
2-1/2"	2"
2-1/2"	2-1/2"
2-1/2"	3"

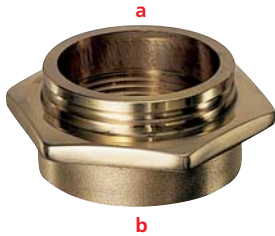
	1-1/2" x 1-1/2"	2-1/2" x 2"	2-1/2" x 2-1/2"	2-1/2" x 3"
A	8-5/8"	10-57/64"	10-57/64"	10-31/32"
B	13/16"	51/64"	1-15/64"	1-13/64"



FIRE PROTECTION PRODUCTS

Female Open Snoot Base

A83



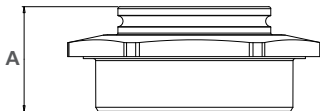
► To be used on any thread swivel A89

MALE x FEMALE

Standard equipment:
Forged brass with female hose inlet
x female NPT outlet.

a	b
2-1/2"	2-1/2"
2-1/2"	3"

	2-1/2" x 2-1/2"	2-1/2" x 3"
A	1-3/4"	2-5/64"



SPECIFY THREAD

Male Open Snoot Base

A87



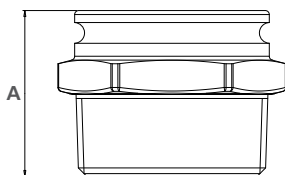
► To be used on any thread swivel A89

MALE x FEMALE

Standard equipment:
Forged brass with female hose inlet
x male NPT outlet.

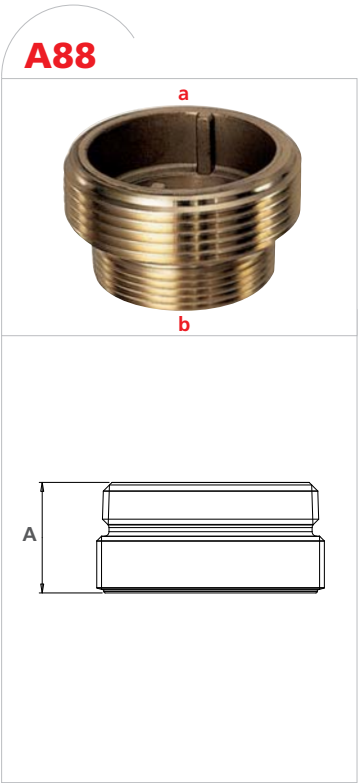
a	b
2-1/2"	2"
2-1/2"	2-1/2"
2-1/2"	3"

	2-1/2" x 2"	2-1/2" x 2-1/2"	2-1/2" x 3"
A	1-25/32"	2-5/32"	2-7/32"



SPECIFY THREAD

Male To Male Adapter

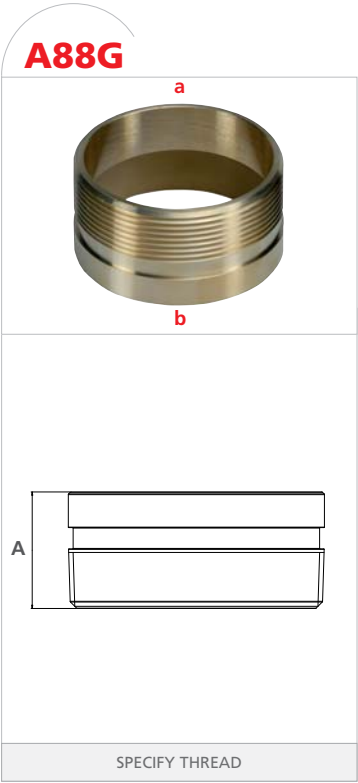


► To convert NPT female thread to male hose thread.

a	b
2-1/2"	2-1/2"
2-1/2"	3"

	2-1/2" x 2-1/2"	2-1/2" x 3"
A	1-29/64"	1-31/32"

Male To Groove Adapter



► To convert NPT female thread to Groove thread.

a	b
2-1/2"	2-1/2"
4"	4"

	2-1/2" x 2-1/2"	4" x 4"
A	2-3/64"	2-3/64"



FIRE PROTECTION PRODUCTS

Swivel

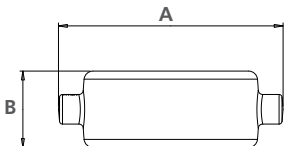
A89



a

► Available with pin or rocker lugs.

	2-1/2"	3"
A	4-1/2"	5-15/64"
B	1-29/64"	1-1/2"



Male To Male Adapter

A92



b

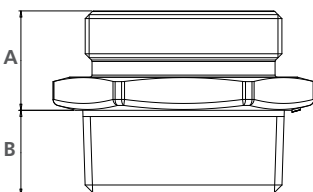
► To adapt or reduce threads, and change NPT pipe thread to hose thread.

MALE x MALE

Standard equipment:
Brass hexagon type.

a	b
1-1/2"	1-1/2"
2-1/2"	2"
2-1/2"	2-1/2"
2-1/2"	3"


	1-1/2" x 1-1/2"	2-1/2" x 2"	2-1/2" x 2-1/2"	2-1/2" x 3"
A	61/64"	1-7/16"	1-7/16"	1-25/64"
B	13/16"	13/16"	1-15/64"	1-19/64"



SPECIFY THREAD

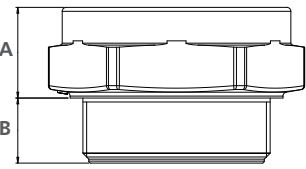
Female To Male Adapter

A93



a

b



A

B

SPECIFY THREAD

► To adapt or reduce threads or change NPT pipe thread to hose thread.

FEMALE X MALE


Standard equipment:
Brass hexagon type.

a	b
1-1/2"	1-1/2"
2-1/2"	2"
2-1/2"	2-1/2"

	1-1/2" x 1-1/2"	2-1/2" x 2"	2-1/2" x 2-1/2"
A	51/64"	1-3/64"	1-9/64"
B	39/64"	53/64"	1"

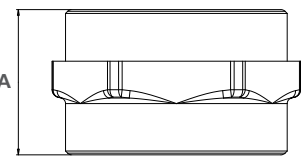
Female To Female Adapter

A94



a

b



A

SPECIFY THREAD

► For thread conversion

FEMALE x FEMALE

Standard equipment:
Brass hexagon type.

a	b
1-1/2"	1-1/2"
2-1/2"	2-1/2"

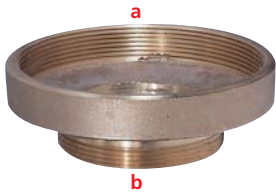
	1-1/2" x 1-1/2"	2-1/2" x 2-1/2"
A	1-27/64"	2-3/64"



FIRE PROTECTION PRODUCTS

Bushing

A104



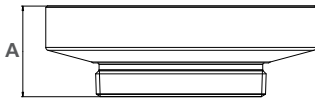
► To change 6" to 8" or 4" to 6" thread.

FEMALE x MALE

Standard equipment:
Brass bushing with female thread on one end and male on other end; NPT Threads.

a	b
6"	4"
8"	6"

	6" x 4"	8" x 6"
A	2-25/64"	3-5/32"



SPECIFY THREAD

Female Check Snoot

A90C



► To connect fire hose on multiple inlet Fire Dept. connections. Checks excess backflow of water.

FEMALE (SWIVEL) x FEMALE

Standard equipment:
Cast brass with female (swivel) hose inlet x female NPT outlet and checking device.

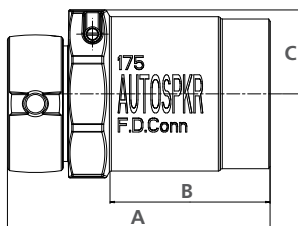
Swivel furnished with pin or rocker lugs.

Optional Finishes:
PB
PC

CERTIFICATIONS



LISTED 166Y




SPECIFY THREAD

a	b
2-1/2"	3"

	2-1/2" x 3"
A	6-57/64"
B	4-11/64"
C	2-21/64"

Male Check Snoot

A91C



a

b



A

B

C

SPECIFY THREAD

► To connect fire hose on multiple inlet Fire Dept. connections. Checks excess backflow of water.

FEMALE (SWIVEL) x MALE

Standard equipment:
Cast brass with female (swivel) hose inlet x female NPT outlet and checking device.

Swivel furnished with pin or rocker lugs.

Optional Finishes:
PB
PC

CERTIFICATIONS



LISTED 166Y

a	b
2-1/2"	3"

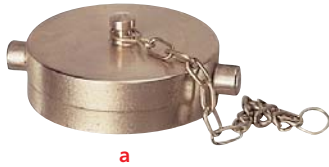
	2-1/2" x 3"
A	7-3/32"
B	4-9/32"
C	2-21/64"



FIRE PROTECTION PRODUCTS

Cap And Chain

A80



a

- To cover and protect male outlet threads on valves and hydrants. Prevents entry of foreign material.

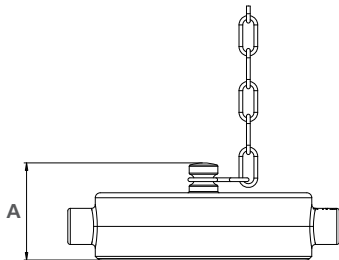
Standard equipment:
Forged brass with chain.

Available with pin or rocker lugs.

Optional Finishes:

PB
RC
PC

	1-1/2"	2-1/2"	3"
A	1-15/64"	1-35/64"	1-23/32"



SPECIFY THREAD

Plug And Chain

A81



a

- For Fire Dept. inlet connections. Prevents entry of foreign matter and protects female threads.

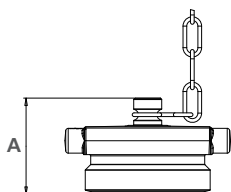
Standard equipment:
Forged brass plug with male hose thread and attached chain.

Available with pin or rocker lugs.

Optional Finishes:

PB
RC
PC

	1-1/2"	2-1/2"	3"
A	1-35/64"	2-7/32"	2-3/8"



SPECIFY THREAD

Cap And Chain In Plastic (Abs) Red Color

A80P

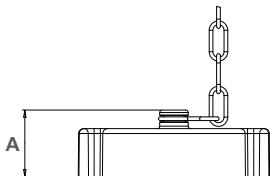


- To cover and protect male outlet threads on valves and hydrants. Prevents entry of foreign material.

Standard equipment:
ABS - with chain.

Available with rocker lugs.

	1-1/2"	2-1/2"
A	1-15/64"	1-35/64"



SPECIFY THREAD

Cap And Chain In Plastic (Abs) Chrome Plated

A80PC



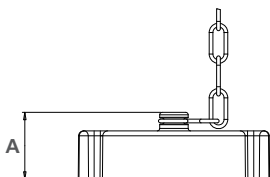
- To cover and protect male outlet threads on valves and hydrants. Prevents entry of foreign material.

Standard equipment:
ABS - with chain.

Available with rocker lugs.

Optional Finishes:
PC

	1-1/2"	2-1/2"
A	1-15/64"	1-35/64"



SPECIFY THREAD



FIRE PROTECTION PRODUCTS

Double Jacket Brass Coupling

A70



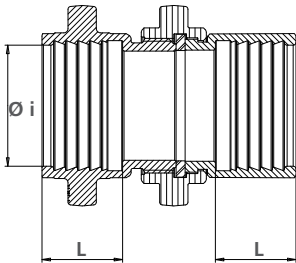
► Pin lug coupling for use with single or double jacket linen hose.

Standard equipment:
Forged brass finish, 1-1/2" or 2-1/2" sizes, with swivels washer.

Coupling Jacket:
S- Single
D- Double
L- Linen

Optional Finishes:
PB
RC
PC

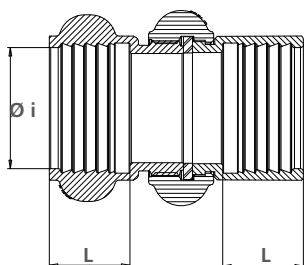
Expansion ring not supplied



SPECIFY TYPE

Type	Lenght (mm)	Thread	Øi	Jacket
C0	28.5	1-1/2" NST	1-11/16"	L
D0	28.5	1-1/2" NPSH	1-11/16"	L
E	31.8	1-1/2" NST	1-3/4"	S
F	31.8	1-1/2" NPSH	1-3/4"	S
P	31.8	1-1/2" NST	1-13/16"	S
R	31.8	1-1/2" NPSH	1-13/16"	D
E0	38.2	1-1/2" NST	1-3/4"	D
F0	38.2	1-1/2" NPSH	1-3/4"	D
T0	38.2	1-1/2" NST	1-7/8"	D
T	38.2	1-1/2" NST	1-15/16"	D
A1	38.8	2-1/2" NST	2-11/16"	L
C1	38.8	2-1/2" NST	2-11/16"	S
B1	38.8	2-1/2" NYFD	2-11/16"	L
B2	38.8	2-1/2" NYC	2-11/16"	L
L1	38.8	2-1/2" NYFD	2-11/16"	S
D1	38.8	2-1/2" NST	2-13/16"	S
D2C	38.8	2-1/2" NYC	2-13/16"	S
D2D	38.8	2-1/2" NYFD	2-13/16"	S
F1	38.8	2-1/2" NPSH	2-13/16"	S
S1	38.8	2-1/2" NST	2-27/32"	S
U1	38.8	2-1/2" NPSH	2-27/32"	S
S2	38.8	2-1/2" NYC	2-27/32"	S
M1	45.2	2-1/2" NST	3"	D
O1	45.2	2-1/2" NPSH	3"	D
AA	31.8	2" NST	2-19/64"	S
BB	31.8	2" NPSH	2-19/64"	S
CC	38.2	2" NST	2-35/64"	D
DD	38.2	2" NPSH	2-35/64"	D

A70



SPECIFY TYPE

► Rocker lug coupling for use with single or double jacket linen hose.

Standard equipment:
Forged brass finish, 1-1/2" or 2-1/2" sizes, with swivels washer.

Coupling Jacket:
S- Single
D- Double
L- Linen

Optional Finishes:
PB
RC
PC

Expansion ring not supplied

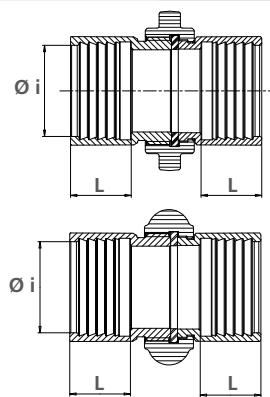
Type	Lenght (mm)	Thread	Øi	Jacket
A0	28.5	1-1/2" NST	1-11/16"	L
B0	28.5	1-1/2" NPSH	1-11/16"	L
M	31.8	1-1/2" NST	1-3/4"	S
O	31.8	1-1/2" NPSH	1-3/4"	S
Q	31.8	1-1/2" NST	1-13/16"	S
S	31.8	1-1/2" NPSH	1-13/16"	S
U0	38.2	1-1/2" NST	1-7/8"	D
Z0	38.2	1-1/2" NPSH	1-7/8"	D
U	38.2	1-1/2" NST	1-15/16"	D
Z	38.2	1-1/2" NPSH	1-15/16"	D
M0	38.2	1-1/2" NST	1-3/4"	D
O0	38.2	1-1/2" NPSH	1-3/4"	D
E1	38.8	2-1/2" NST	2-13/16"	S
G1	38.8	2-1/2" NPSH	2-13/16"	S
T1	38.8	2-1/2" NST	2-27/32"	S
V1	38.8	2-1/2" NPSH	2-27/32"	S
T2	38.8	2-1/2" NYC	2-27/32"	S
A3	38.8	2-1/2" CSA	2-3/4"	S
C3	38.8	2-1/2" QST	2-3/4"	S
E3	38.8	2-1/2" BCT	2-3/4"	S
F3	38.8	2-1/2" WCT	2-3/4"	S
D3	38.8	2-1/2" NST	2-3/4"	S
H3	38.8	2-1/2" NSST	2-3/4"	S
N1	45.2	2-1/2" NST	3"	D
P1	45.2	2-1/2" NPSH	3"	D
N2	45.2	2-1/2" NYC	3"	D
B3	45.2	2-1/2" CSA	3"	D
G3	45.2	2-1/2" QST	3"	D



FIRE PROTECTION PRODUCTS

Single Jacket Brass Coupling

A70



SPECIFY TYPE

► Pin or rocker lug coupling for use with single or double jacket linen hose.

Standard equipment:
Forged brass finish, 1-1/2" or 2-1/2" sizes and swivel washer.

Coupling Jacket:
S- Single
L- Linen

Optional Finishes:
PB
RC
PC

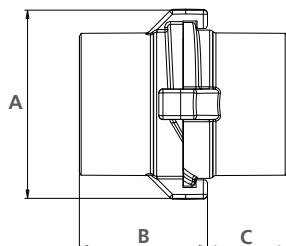
Expansion ring not supplied

Type	Lenght (mm)	Thread	Øi	Jacket
A	28.5	1-1/2" NST	1-11/16"	L
A2	28.5	1-1/2" CHT	1-11/16"	L
B	28.5	1-1/2" NPSH	1-11/16"	L
L	28.5	1-1/2" NYFD	1-11/16"	L
N	28.5	1-1/2" PCT	1-11/16"	L
C	28.5	1-1/2" NST	1-3/4"	S
D	28.5	1-1/2" NPSH	1-3/4"	S

Type	Lenght (mm)	Thread	Øi	Jacket
G	28.5	1-1/2" NST	1-11/16"	L
I	28.5	1-1/2" NPSH	1-11/16"	L
H	28.5	1-1/2" NST	1-3/4"	L

Forestry Coupling

A71




► Standard equipment:
Forged brass external long quick connect coupling for forestry fire hose.

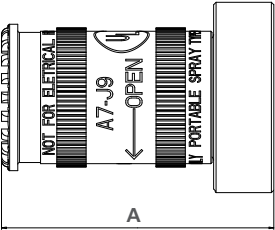
Expansion ring not supplied

	1-1/2"
A	2-49/64"
B	1-13/16"
C	1-9/32"

Adjustable Fog Nozzle




A7A





SPECIFY THREAD

- For Hose Rack.
- Standard equipment:
Forged brass finished nozzle with adjustable fog, straight-stream and shut-off feature.
- Optional Finishes:
PB
RC
PC

CERTIFICATIONS		
		
APPROVED	CE x 1256	LISTED 647X

	1-1/2"
A	3-13/16"

Adjustable Fog Nozzle With Bumper To Protect Nozzle




A7B





SPECIFY THREAD

- For Industrial Application.
- Standard equipment:
Forged brass finished nozzle with adjustable fog, straight-stream and shut-off feature.
- Optional Finishes:
PB
PC

CERTIFICATIONS		
		
APPROVED	CE x 1260	LISTED 97X7

	1-1/2"	2-1/2"
A	3-13/16"	5-9/16"



FIRE PROTECTION PRODUCTS

Adjustable Fog Nozzle With Bumper To Protect Nozzle

A7B storz

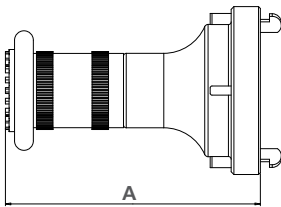


- For Industrial Application storz connection

Standard equipment:

Forged brass finished nozzle with adjustable fog, straight-stream and shut-off feature.

	1-1/2"	2-1/2"
A	5-19/32"	6-7/64"



SPECIFY THREAD

Plastic Adjustable Fog Nozzle With Bumper

A7BP



- For Residential Application

Standard equipment:

Nozzle with adjustable fog, straight-stream and shut-off feature.

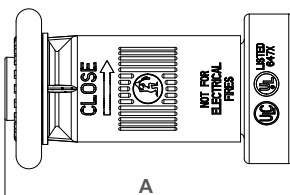
CERTIFICATIONS



APPROVED

CE x 589

LISTED 647X



SPECIFY THREAD

	A
1-1/2"	4-37/64"

Automatic Ball Drip

A58



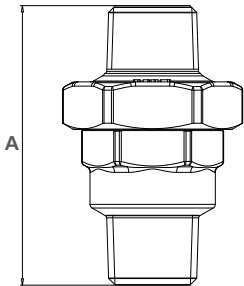
► To drain low point of system between swing check valve and Fire Dept. connection. Automatically seals under pressure. Must be installed in vertical position only.

MALE x MALE

Standard equipment:
Cast brass straight connection male NPT both.

a	b
1/2"	1/2"
3/4"	3/4"

	1/2"	3/4"
A	2-11/16"	2-11/16"





Line-tester

A59



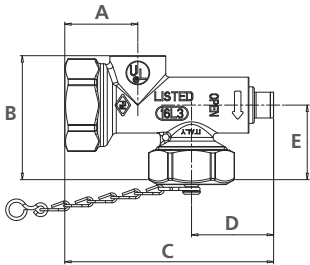
► For installing the last sprinkler head on system branch lines, controls water flow for flushing or testing of the system.

Available with NPT Threads.

CERTIFICATIONS	
	

a	b	c
1"	1"	1/2"

	1" x 1"
A	1-11/32"
B	2-3/16"
C	4"
D	1-1/2"
E	1-9/32"





FIRE PROTECTION PRODUCTS

Brass Automatic Drain Valve

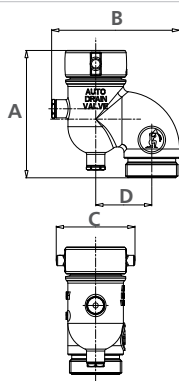
A91AD



- Used to prevent water damage to hose due to valve leakage

Standard equipment:
Cast brass female pin lug swivel hose thread drain valve with ball seal, activated at 3 psi.

a&b = NST Threads



SPECIFY THREAD

a	b
1-1/2"	1-1/2"

	1-1/2"
A	4-53/64"
B	4-55/64"
C	2-61/64"
D	2-1/8"

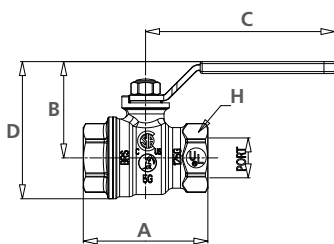
Full Port Ball Valve

R910



- FEMALE x FEMALE

Standard equipment:
Female NPT inlet and outlet, forged brass body, chrome plated ball with teflon seats.



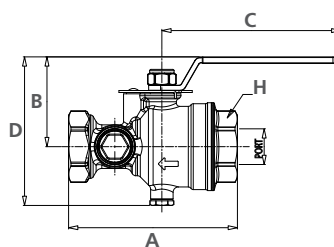
CERTIFICATIONS



a/b	PORT	A	B	C	D	H
1/2"	19/32"	2-7/32"	1-7/16"	3-3/64"	2-5/64"	63/64"
3/4"	51/64"	2-15/32"	1-29/32"	3-3/4"	2-23/32"	1-7/32"
1"	63/64"	3"	2-1/16"	3-3/4"	3-1/32"	1-9/16"
1-1/4"	1-17/64"	3-13/32"	2-1/4"	3-3/4"	3-13/32"	1-55/64"
1-1/2"	1-37/64"	3-51/64"	2-49/64"	5-3/8"	4-15/64"	2-1/8"
2"	1-31/32"	4-23/64"	3-5/64"	5-3/8"	4-55/64"	2-5/8"
2-1/2"	2-1/2"	6-1/64"	4-23/64"	7-11/32"	6-21/32"	3-15/64"
3"	3"	6-13/16"	7-31/64"	7-11/32"	7-13/32"	3-25/32"
4"	4"	8-17/32"	6-1/64"	10-7/64"	9-31/64"	4-31/32"

Test And Drain Valve

A61



► FEMALE x FEMALE

Standard equipment:
Female NPT inlet and outlet, forged brass body, chrome plated ball with teflon seats.

Rated pressure: 300 psi

CERTIFICATIONS



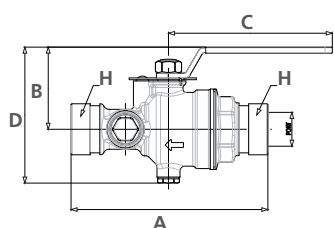
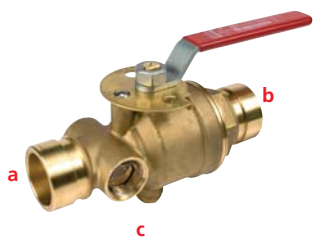
FM APPROVAL ONLY FOR 1" and 1-1/4"

a/b	1"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
Orifice	3/8"	7/16"	1/2"	17/32"	3/8"	7/16"	1/2"	17/32"	5/8"	3/4"
K factor	2.8	4.2	5.6	8.0	2.8	4.2	5.6	8.0	11.2	14.0

a/b	2"							
Orifice	7/16"	1/2"	17/32"	5/8"	3/4"	15/16"	1-5/64"	1-9/64"
K factor	4.2	5.6	8.0	11.2	14.0	16.8	22.4	25.2

DIMENSION	C (plug)	PORT	A	B	C	D	H
1" & 1-1/4"	1/4"	1-1/16"	5-1/32"	2-43/64"	5-11/32"	4-27/64"	1-57/64"
2"	1/4"	1-12/16"	6-6/32"	4"	6-26/32"	6-21/64"	2-40/64"

A61



► GROOVE X GROOVE

Standard equipment:
GROOVE inlet and outlet, forged brass body, chrome plated ball with teflon seats.

Rated pressure: 300 psi

CERTIFICATIONS



FM APPROVAL ONLY FOR 1" and 1-1/4"

a/b	1-1/4"					
Orifice	3/8"	7/16"	1/2"	17/32"	5/8"	3/4"
K factor	2.8	4.2	5.6	8.0	11.0	14.0

a/b	2"							
Orifice	7/16"	1/2"	17/32"	5/8"	3/4"	15/16"	1-5/64"	1-9/64"
K factor	4.2	5.6	8.0	11.2	14.0	16.8	22.4	25.2

DIMENSION	C (plug)	PORT	A	B	C	D	H
1-1/4"	1/4"	1-1/16"	6-13/32"	2-43/64"	5-11/32"	4-27/64"	1-1/4" GROOVE"
2"	1/4"	1-12/16"	7-17/32"	4"	6-26/32"	6-21/64"	2" GROOVE"



FIRE PROTECTION PRODUCTS

Fig.	Size	Q.ty x Carton
A7A	1-1/2"	20
A7B	1-1/2"	20
A7B	2-1/2"	20
A7P	1-1/2"	20
A50	1-1/2" x 1-1/2"	12
A51	1-1/2" x 1-1/2"	12
A53	2-1/2" x 2-1/2"	6
A53	3" x 1-1/2"	6
A53G	2-1/2" x 2-1/2"	6
A55	1-1/2" x 1-1/2"	12
A55	2-1/2" x 2-1/2"	6
A56	1-1/2" x 1-1/2"	12
A56	2-1/2" x 2-1/2"	6
A58	1/2" x 1/2"	100
A58	3/4" x 3/4"	100
A59	1" x 1"	50
A61	1" and 1-1/4"	5
A61	2"	4
A65	1-1/2" x 1-1/2"	25
A65	2-1/2" x 2-1/2"	10
A70	1-1/2"	25
A70	2-1/2"	10
A71	1-1/2"	25
A75	2-1/2" x 3/4"	50
A75	2-1/2" x 1-1/2"	50
A75	2-1/2" x 2"	50
A80	1-1/2"	100
A80	2-1/2"	50
A80	3"	20
A80P	1-1/2"	100
A80P	2-1/2"	50
A80PC	1-1/2"	100
A80PC	2-1/2"	50
A81	1-1/2"	50
A81	2-1/2"	20
A81	3"	10
A83	2-1/2" x 2-1/2"	25
A83	2-1/2" x 3"	25
A85	2-1/2" x 2-1/2"	4
A86	2-1/2" x 2-1/2"	4
A87	2-1/2" x 2"	25
A87	2-1/2" x 2-1/2"	25

Fig.	Size	Q.ty x Carton
A88	2-1/2" x 2-1/2"	20
A88	2-1/2" x 3"	20
A88G	2-1/2"	20
A88G	4"	15
A89	2-1/2"	25
A90	2-1/2" x 2-1/2"	10
A90	2-1/2" x 3"	10
A90C	2-1/2" x 3"	10
A91	1-1/2" x 1-1/2"	50
A91	2-1/2" x 2"	10
A91	2-1/2" x 2-1/2"	10
A91	2-1/2" x 3"	10
A91AD	1-1/2" x 1-1/2"	10
A91C	2-1/2" x 3"	5
A92	1-1/2" x 1-1/2"	50
A92	2-1/2" x 2"	20
A92	2-1/2" x 2-1/2"	20
A92	2-1/2" x 3"	20
A93	1-1/2" x 1-1/2"	50
A93	2-1/2" x 2"	20
A93	2-1/2" x 2-1/2"	20
A94	1-1/2" x 1-1/2"	50
A94	2-1/2" x 2-1/2"	25
A95	4" x 2-1/2"	8
A96	4" x 2-1/2"	8
A97	4" x 2-1/2"	10
A97	6" x 2-1/2"	1
A97 Three-way	4" x 2-1/2"	1
A97 Three-way	6" x 2-1/2"	1
A98	4" x 2-1/2"	10
A98	6" x 2-1/2"	1
A98 Three-way	4" x 2-1/2"	1
A98 Three-way	6" x 2-1/2"	1
A99	2-1/2" x 1-1/2"	10
A101	4" x 2-1/2"	4
A101	4" x 3"	1
A101	6" x 2-1/2"	1
A102	4" x 2-1/2"	4
A102	4" x 3"	1
A102	6" x 2-1/2"	1
A103		5
A104	6" x 4"	20

Fig.	Size	Q.ty x Carton
A105	4" x 2-1/2"	4
A105	4" x 3"	1
A105	6" x 2-1/2"	1
A105	6" x 3"	1
A105 Three-way	4" x 2-1/2"	1
A105 Three-way	6" x 2-1/2"	1
A106	4" x 2-1/2"	4
A106	4" x 3"	1
A106	6" x 2-1/2"	1
A106	6" x 3"	1
A106 Three-way	4" x 2-1/2"	1
A106 Three-way	6" x 2-1/2"	1
A111	6" x 3"	1
A111	8" x 3"	1
A112	6" x 3"	1
A112	8" x 3"	1
A113	6" x 3"	1
A113	8" x 3"	1
A114	6" x 3"	1
A114	8" x 3"	1
A115	6" x 3"	1
A115	8" x 3"	1
A121	6" x 3"	1
A121	8" x 3"	1
A122	6" x 3"	1
A122	8" x 3"	1
A123	6" x 3"	1
A123	8" x 3"	1
A124	6" x 3"	1
A124	8" x 3"	1
A125	6" x 3"	1
A125	8" x 3"	1
A140	4" x 4"	4
A155	1-1/2" x 1-1/2"	12
A155	2-1/2" x 2-1/2"	6
A156	1-1/2" x 1-1/2"	12
A156	2-1/2" x 2-1/2"	6
A170		100
A190T	1-1/2" x 1-1/2"	20
A201	2-1/2" x 2-1/2"	1
A202	2-1/2" x 2-1/2"	1
A203	2-1/2" x 2-1/2"	1

Fig.	Size	Q.ty x Carton
A204	2-1/2" x 2-1/2"	1
R910	1/2"	100
R910	3/4"	100
R910	1"	50
R910	1-1/4"	20
R910	1-1/2"	20
R910	2"	20
R910	2-1/2"	4
R910	3"	2
R910	4"	2