

Fire Protection

EF0001  JULY 2022



Fire protection catalogue

Catalogue

Fire protection

Check **sales terms and conditions** (delivery schedule, freight costs) with our Sales Area Manager.
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THE FUTURE FUELS OUR GROWTH

80 t of brass machined daily, 130 thousand sqm of production plants, 900 employees, a +250 million Euro turnover, 80% of export, branches and business partners in 18 countries worldwide: **our numbers say a lot about us, our customers' satisfaction says it all.**

OUR PASSION NEVER STOPS GROWING. JUST LIKE OUR GROUP.

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In the '70s our efforts provided new integrated systems as well as components.

With the technological improvements in the '80s, we began the production of automatic control devices for heating systems.

In the final decade of XX century, we undertook continuous training activity dedicated to installers, distributors and consultants.

At the beginning of the new century we started the development of the first hydrogen boiler, being one of the true pioneers of this innovative solutions for renewable energy. Today we challenge the sustainability, thinking out of the box to balance buildings, nature and comfort and providing efficient and comfortable residences. Over the past 70 years Giacomini has mastered

almost every type of energy, but preserved freedom of flow to the most powerful energy in existence: the future, the ultimate source that redefines our goals, innovation, and growth each day.

Italy is our home, with our Headquarters and production plants strategically located.

- Headquarters and brass-machining plant
28017 San Maurizio d'Opaglio
Novara, Via per Alzo, 39
- Plastic Material plant
28017 San Maurizio d'Opaglio
Novara, Via Brughiere, 29
- Forging Plant
37014 Castelnuovo del Garda
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GIACOMINI ACADEMY, A STEP TO THE FUTURE

TRAINING. INNOVATION. CONFRONTATION

In-house training to the client's advantage.

We dedicate special value to our collaborators' skills and professionalism through constant training processes that include updating courses, stages, periodical sessions of technical analysis.

This helps us provide a highly-qualified service to our clients. **Professional training.** Our goal is to make Giacomini Academy a place where our firm and its partners can share and compare ideas, grow and find stimuli for constant improvement.

Our seminars offer an in-depth study of installation aspects while analyzing market trends, cutting-edge technologies as well as law provisions and standards in force.



Giacomini provides all its clients a user-friendly and powerful tool to learn the installation and maintenance procedures for its main products, stay updated and solve the most common issues. Follow us on our YouTube channel GIACOMINI VIDEO PROJECT.





Training customized for every single application.

ENERGY MANAGEMENT

Course describing components for energy consumption optimization. Types of metering (direct and indirect), thermostatic heads, etc..

RADIANT SYSTEMS

The course will analyze basic concepts for thermoregulation of radiant floor and ceiling systems.

WATER MANAGEMENT

In-depth analysis of water distribution systems made with PEX/Al/PEX, PEX, PP-R pipes. Products for fluid shut-off and control, types of fittings.

GAS DISTRIBUTION

Analysis of systems recommended for gas abduction, distribution and shut-off for domestic use.

RENEWABLE SOURCES

Course dedicated to products and systems for renewable energy sources and with low environment impact. Heat pumps, Solar energy, Geothermal energy, Biomasses, etc.

AREAS OF INTERVENTION AND CERTIFICATIONS

WE STAND WITH ENERGY.

We cover multiple areas of intervention thanks to a wide range of skills acquired along the years and acknowledged on a global level. This is well-proven by the certifications we have achieved.



 Energy Management

Components for energy consumption optimization and metering, and for hot and cold fluid distribution.

 Radiant Systems

Radiant floor, wall and ceiling air conditioning for residential and commercial use, thermoregulation and air treatment.

 Water Management

Components for drinking water distribution lines, devices for domestic water systems.

 Gas Distribution

Distribution products and systems for safe and high-performing gas transfer in buildings.

 Renewable Sources

Components dedicated to renewable-source energy-production systems.

 Hydrogen Systems

Innovative and integrated solutions for eco-friendly hydrogen-fueled heating.

 Fire Protection

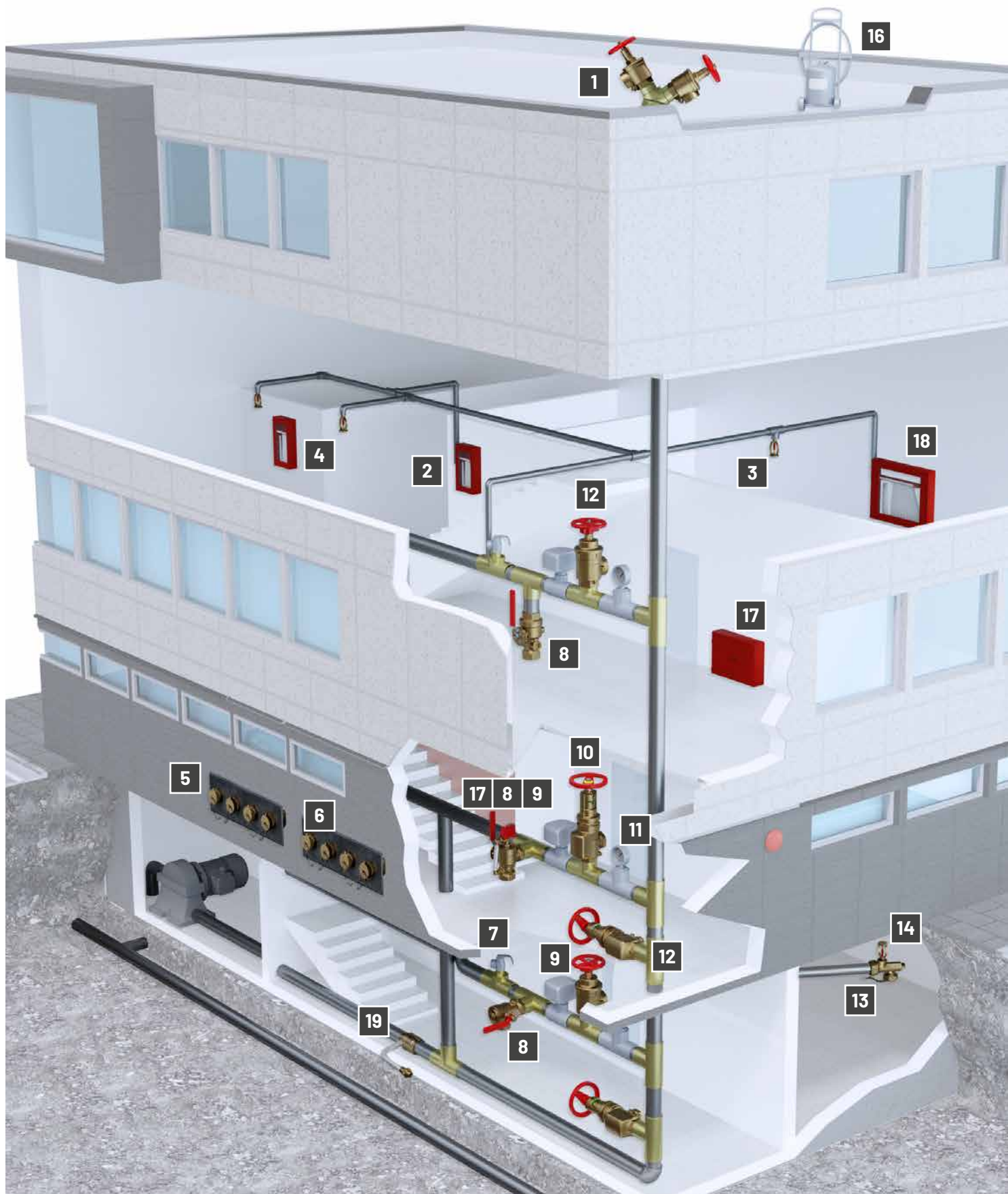
Special top-performance components for the fire prevention professional sector.











































 Giacomini Certifications

Giacomini S.p.A. relies on an Integrated Management System for Quality, Environment, Workplace Health and Safety certified by ICIM.



EQUIPMENT APPLICATION



- | | | | | | | | | |
|---|---|--|---|---|---|---|--|---|
| <p>1</p>  <p>A56E
Hose valve</p> | <p>A97</p>  <p>Roof Outlet connection</p> | <p>A80</p>  <p>Cap & chain</p> | <p>2</p>  <p>Extinguisher & Valve cabinet</p> | <p>A156</p>  <p>Valve</p> | <p></p>  <p>Fire Extinguisher</p> | <p>3</p>  <p>Pendant Sprinkler head</p> | | |
| <p>4</p>  <p>Extinguisher cabinet</p> | <p></p>  <p>Fire Extinguisher</p> | <p>5</p>  <p>Pump Test connection</p> | <p>A53G</p>  <p>Gate Valve</p> | <p>6</p>  <p>A123</p> | <p></p>  <p>Fire Dept inlet connection</p> | <p>A90C</p>  <p>Open snoot</p> | | |
| <p>7</p>  <p>Pressure Relief Valve</p> | <p>8</p>  <p>A61
Test & Drain</p> | <p>A62</p>  <p>Test & Drain</p> | <p>9</p>  <p>Flow Switch</p> | <p>10</p>  <p>A201
Pressure Reducing Valve
Field Adjustable</p> | <p>11</p>  <p>Pressure Gauge</p> | | | |
| <p>12</p>  <p>A221
Pressure reducing valve - factory set</p> | <p>13</p>  <p>A59
Line Tester</p> | <p>14</p>  <p>Upright Sprinkler head</p> | <p>15</p>  <p>Alarm Bell</p> | <p>16</p>  <p>Wheeled Fire Extinguisher</p> | | | | |
| <p>17</p>  <p>Fire Dept Equipment Station</p> | <p>A7B</p>  <p>Fog nozzles</p> | <p>A70</p>  <p>Coupling</p> | <p></p>  <p>Hose</p> | <p>A99</p>  <p>Gated connection</p> | <p></p>  <p>Fire Axe</p> | <p></p>  <p>Universal Spanner Wrench</p> | <p></p>  <p>Fire Extinguisher</p> | <p></p>  <p>Portable Light</p> |
| <p>18</p>  <p>Series Hose Rack Assembly</p> | <p>A55E</p>  <p>Hose Valve</p> | <p>A70</p>  <p>Coupling</p> | <p>A65</p>  <p>Rack Nipple</p> | <p>A7B</p>  <p>Nozzle</p> | <p></p>  <p>Fire Extinguisher</p> | <p>19</p>  <p>A140
Check Valve</p> | <p>A58</p>  <p>Ball Drip</p> | |



GIACOMINI FIRE PROTECTION CATALOGUE

The entire Fire Protection Product Line is based on American Standards; those standards are considered the most challenging in the world for this industry; for this reason, they are considered the reference for design in the entire world, especially for High Rise Building design for Fire Protection.

The design standards are issued by NFPA, National Fire Protection Association.

The National Fire Protection Association (NFPA) is a global self-funded nonprofit organization, established in the US in 1896, devoted to eliminating death, injury, property and economic loss due to fire, electrical and related hazards.

NFPA delivers information and knowledge through more than 300 consensus codes and standards,

research, training and education.

The NFPA Fire & Life Safety Standards are a framework that identifies the components that must work together to minimize risk and help prevent loss, injuries, and death from fire, electrical, and other hazards.

There are eight key components in the Fire & Life Safety systems. These components are interdependent. When they work together, the system protects everyone. If any component is missing or broken, the system can collapse, often resulting in tragedy. Almost always we can trace the cause of injurious life safety in incidents and tragedies back to the breakdown of one or more components.

For these reasons NFPA standards are considered the fundamentals for Fire Protection Systems.



The base standard for Fire Protection System design are:

NFPA13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

The industry benchmark for design and installation of automatic fire sprinkler systems, NFPA 13 addresses sprinkler system design approaches, system installation, and component options to prevent fire deaths and property loss.

Scope.

This standard provides a range of sprinkler system approaches, design development alternatives, and component options that are all acceptable. Building owners and their designated representatives are advised to carefully evaluate proposed selections for appropriateness and preference.

This standard shall provide the minimum requirements for the design and installation of automatic fire sprinkler systems and exposure protection sprinkler systems covered within this standard.

This standard shall not provide requirements for the design or installation of water mist fire protection systems, which are not considered fire sprinkler systems and are addressed by NFPA 750. This standard is written with the assumption that the sprinkler system shall be designed to protect against a single fire originating within the building.

This standard also provides guidance for the installation of systems for exterior protection and specific hazards. Where these systems are installed, they are also designed for protection of a fire from a single ignition source.

NFPA14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS

NFPA 14 provides requirements for the installation of standpipes and hose systems to ensure that systems will work as intended to deliver adequate and reliable water supplies in a fire emergency.

Scope.

This standard covers the minimum requirements for the installation of standpipes and hose systems.

NFPA25 STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS

NFPA 25 is the baseline for inspection, testing, and maintenance of water-based fire protection systems. Compliance helps maximize system integrity to avoid failure and ensure fast, effective response in a fire emergency.

This document establishes the minimum requirements for the periodic inspection, testing, and maintenance of water-based fire protection systems and the actions to undertake when changes in occupancy, use, process, materials, hazard, or water supply that potentially impact the performance of the water-based system are planned or identified.

The types of systems addressed by this standard include, but are not limited to, sprinkler, standpipe and hose, fixed water spray, private fire hydrants, water mist, and foam water.

This standard addresses the operating condition of fire protection systems as well as impairment handling and reporting and applies to fire protection systems that have been properly installed in accordance with generally accepted practice.



PRODUCT CERTIFICATION STANDARDS.

All products are in compliance with the specification and able to provide the performances required by product certifications.

The most important and worldwide recognized certifications for Fire Protection products are provided by Factory Mutual (**FM**) and Underwriters Laboratories (**UL**).



UNDERWRITERS LABORATORIES

Inc. was founded in 1894 by William Henry Merrill. In order to determine and mitigate risk, Merrill found it necessary to conduct tests on building materials. Upon seeing a growing potential in his field, Merrill stayed in Chicago to found Underwriters Laboratories. UL published its first standard, "Tin Clad Fire Doors", in 1903.

In 1906, UL introduced the UL Mark to indicate products that had passed their testing. UL inspectors conducted the first factory inspections on labeled products at manufacturers' facilities.

UL has expanded into an organization with 64 laboratories, testing and certification facilities serving customers in 104 countries. It has evolved from its roots in electrical and fire safety to address broader safety issues, such as hazardous substances, water quality, food safety, performance testing, safety and compliance education and environmental sustainability.

Underwriters Laboratories of Canada, Founded in 1920 as independent product safety testing, certification and inspection organization, merged with UL. Anyway there are still differences between the standards applied by the two authorities.

Underwriters Laboratories headquarters are in Northbrook, Illinois, USA.

UL313 Check Valves for Fire-Protection Service

UL1478A Pressure Relief Valves for Sprinkler Systems

UL 1468 Direct Acting Pressure Reducing and Pressure Restricting Valves

UL 668 Hose Valves for Fire-Protection Service

UL 401 Portable Spray Hose Nozzles for Fire-Protection Service

UL 262 Gate Valves for Fire-Protection Service

UL 258 Shutoff valves for trim and drain purposes for Fire-Protection Service

UL 199 Automatic Sprinklers for Fire-Protection Service

UL 405 Fire Department Connection Devices Even though FM and UL standard refer to NFPA indications, they are of course, different standards and they have different requirements.

In some cases, one of the two authorities have a standard for a type product, and the other one has not.

E.g., FM has a standard, Class 2131, for hose couplings (Giacomini A70); UL has not a similar standard and therefore A70 coupling cannot be UL approved, because of the lack of a reference standard.

Or another example are the Pressure Restricting Valves (A155 - A156).

In this case FM has not a standard dedicated to PRV valves; then Giacomini A155 A156 are FM approved with Class 1521, for 300 psi (as hose valves).

Instead, for this type of product, UL has a dedicated standard (UL 1468). This standard states that the maximum rated pressure for a Pressure Reducing Valve can be 175 psi; therefore A155-A156 are UL listed for 175 psi as Pressure Restricting Valves.

THREADS

As already said, Giacomini Fire Protection products are based on North American Standard.

For this reason, most part of them have North American threads or connections.

In the section we will recap the types of connections, threaded or not, and they applications.

TAPERED TREADS





FACTORY MUTUAL

In 1835 a Rhode Island textile mill owner named Zachariah Allen made property improvements to his mill to minimize the chance of fire loss and increase the mill's resilience. After taking these steps, he asked his insurance company for a reduced premium. He was turned down, but Zachariah recruited other mill owners who shared his loss prevention philosophy. Together, they combined their strength to create a mutual property insurance company that would insure only "good risk" factories—creating the category of "highly protected risk (HPR) properties." This business idea also provided incentives, because whatever premiums remained at the end of a policy term would be returned to policyholder.

Other companies joined the group, which became known as the Factory Mutuals. As Zachariah had predicted, proper fire prevention methods and inspections resulted in dramatically fewer losses. When the fire sprinkler was introduced in 1874, Factory Mutuals championed its acceptance.

By 1987, 42 mutual companies joined forces to become three companies. This merger allowed the three carriers to provide clients more comprehensive coverage and loss prevention resources. Finally, in 1999, FM Global was created to offer even greater insurance capacity. Through all these years, we've consistently invested in research and engineering, ultimately opening the FM Global Research Campus in 2003. Today it is the world's most sophisticated center for advancing the science of property loss prevention.

Here below a recap of the main applicable standards for Giacomini Fire Protection Products:

- Class 1625** Approval Standard for Sprinkler System Alarm Test Devices
- Class 1521** Approval Standard for Angle Hose Valves
- Class 1522** Approval Standard for Straight Hose Valves
- Class 5511** Approval Standard for Firefighting Nozzles for Use with Hose, Monitor Assemblies and other Firefighting Equipment
- Class 2131** Approval Standard for Couplings for 1-1/2 and 2-1/2 inch Single and Double Jacket Fire Hose and Unlined Linen Hose
- Class 1531** Approval Standard for Wall Hydrants
- Class 1530** Approval Standard for Fire Department Connections
- Class 1210** Approval Standard for Swing Check Valves
- Class 1140** Approval Standard for quick opening valves 1/4" Through 2" Nominal Size

AMERICAN NATIONAL STANDARD PIPE THREAD STANDARDS, OFTEN CALLED NATIONAL PIPE THREAD (NPT)

NPT standards for short, are US national technical standards for screw threads used on threaded pipes and pipe fittings. They include both tapered and straight thread series for various purposes including rigidity, pressure-tight sealing, or both. The various types are each named with a symbol and a full name; examples of the symbols include NPT, NPS, NPTF, NPSC, and others. MIP is an acronym for male iron pipe, and FIP is an acronym for female iron pipe. The reference standard for this type of thread is ANSI B.1.20.1. For NPT threads a sealant compound or Polytetrafluoroethylene (PTFE) tape or other similar dope must be used for a leak-free seal. All Giacomini Fire Protection Products connection intended to be joined to a pipe are female NPT.

STRAIGHT THREADS

In fire Protection Industry, straight threads are required for removable connections; typical applications are for hose connections. In these cases, because a gasket is involved, a straight thread is required. Generally speaking they are called National Hose (NH) threads. Several types of NH threads are required on the market, based on local requirements and they are defined in NFPA 1963. Numerous thread standards may be encountered. In USA, larger cities or specific municipalities may use unique standards for municipal water and fire fighting services. Examples are New York City Fire Department Thread and Chicago Fire Department Thread. One reason for these unique threads may be to reduce occurrences of theft of hoses and accessories. Canada also has unique threads -- often by province. You may encounter CSA, BCT, QST, NFLD, NSST, WCT, etc. If you need to be compatible with your local fire department, you should determine what they use and what you would need to attach to their equipment. In the table below you can find a recap of all most common threads:

NST	National Standard NH
NPSH	Straight Iron Pipe (National Pipe Straight Hose)
NYC	New York Corporation
BSP	British Standard Pipe
NYFD	New York City FD only 2-1/2"
PCT	Pacific Coast thread 2-1/2"
CHT	Chicago FD Hose Thread only 2-1/2"
AMA	Alberto Mutual Aid CANADA only 2-1/2"
BCT	British Columbia Thread CANADA only 2-1/2"
CSA	Canadian Standard Assoc. CANADA only 2-1/2"
QST	Province of Quebec Std. CANADA only 2-1/2"
WCD	Western Canada Fire Under CANADA only 2-1/2"
NOVA	Nova Scotia CANADA only 2-1/2"
QMT	Quebec Montreal CANADA only 2-1/2"
NFLD	Newfoundland thread CANADA only 2-1/2"



CHAPTER 1

Wide range of hose and gate valves for cabinets, indoor and outdoor installation.

Available with several connections and finishing.

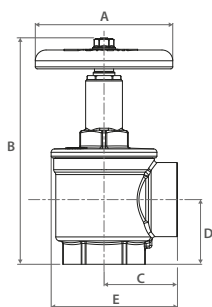
All types of valves are certified for standard or high pressure applications.

HOSE VALVES

- 1.1 ANGLE HOSE VALVES
- 1.2 STRAIGHT HOSE VALVES
- 1.3 GATE VALVES



1.1 ANGLE HOSE VALVES

A55E**300 PSI**
RATED PRESSURE

ANGLE HOSE VALVE



DOUBLE FEMALE

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

① STANDARD EQUIPMENT:

Female NPT inlet and outlet forged brass valve.
Red handwheel.

⇒ RELATED PRODUCTS



A65 p. 61

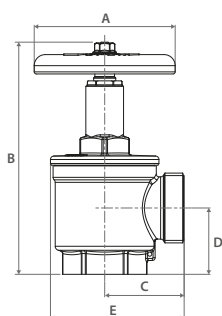


A70 p. 58-60



A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"		4-1/32"	7-19/32"	2-5/32"	1-7/8"	3-11/16"	●		●	
2-1/2"		5-1/8"	10-19/32"	3-5/32"	2-5/8"	5-11/32"	●		●	

A56E**300 PSI**
RATED PRESSURE

ANGLE HOSE VALVE



FEMALE X MALE HOSE THREAD

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

① STANDARD EQUIPMENT:

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

⇒ RELATED PRODUCTS



A80 p. 62



A70 p. 58-60

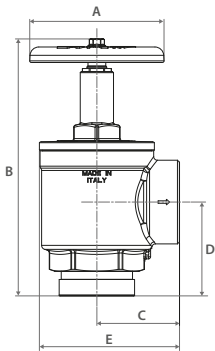


A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"		4-1/32"	7-19/32"	2-1/4"	1-7/8"	3-13/16"	●		●	
2-1/2"		5-1/8"	10-19/32"	3-3/16"	2-5/8"	5-3/8"	●		●	

A55EG

300 PSI
RATED PRESSURE



ANGLE HOSE VALVE



GROOVE X FEMALE

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

① STANDARD EQUIPMENT:

Groove inlet x female NPT outlet forged brass valve. Red handwheel.

⇒ RELATED PRODUCTS



A65 p. 61



A70 p. 58-60

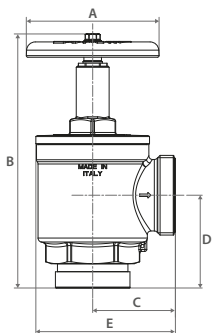


A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2"		5-1/8"	11-3/16"	3-5/32"	3-9/16"	5-11/32"	●		●	

A56EG

300 PSI
RATED PRESSURE



ANGLE HOSE VALVE



GROOVE X MALE HOSE THREAD

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

① STANDARD EQUIPMENT:

Groove inlet x male hose thread outlet forged brass valve. Red handwheel.

⇒ RELATED PRODUCTS



A80 p. 62



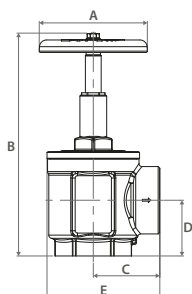
A70 p. 58-60



A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2"		5-1/8"	11-3/16"	3-3/16"	3-9/16"	5-3/8"	●		●	



A55H**500 PSI**
RATED PRESSURE**ANGLE HOSE VALVE**

DOUBLE FEMALE

GROOVE X FEMALE

Used in piping systems where it is necessary to access the system for a fire hose connection. Manages 500 PSI pressure.

① STANDARD EQUIPMENT:

Female NPT or groove inlet and female NPT outlet forged brass valve. Red handwheel.

⇒ RELATED PRODUCTS



A65 p. 61

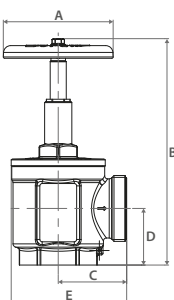


A70 p. 58-60



A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
GROOVE X FEMALE										
2-1/2"		5-1/8"	11-1/2"	3-5/32"	3-9/16"	5-11/32"	●			
DOUBLE FEMALE										
2-1/2"		5-1/8"	10-9/16"	3-5/32"	2-5/8"	5-11/32"	●			

A56H**500 PSI**
RATED PRESSURE**ANGLE HOSE VALVE**

FEMALE X MALE

GROOVE X MALE

Used in piping systems where it is necessary to access the system for a fire hose connection. Manages 500 PSI pressure.

① STANDARD EQUIPMENT:

Female inlet or groove and male hose thread outlet forged brass valve. Red handwheel.

⇒ RELATED PRODUCTS



A80 p. 62



A70 p. 58-60



A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
GROOVE X FEMALE										
2-1/2"		5-1/8"	11-1/2"	3-3/16"	3-9/16"	5-3/8"	●			
DOUBLE FEMALE										
2-1/2"		5-1/8"	10-9/16"	3-3/16"	2-5/8"	5-3/8"	●			

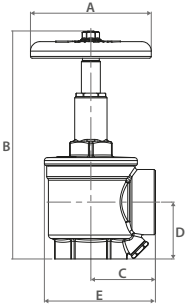


A50

300 PSI
RATED PRESSURE

ANGLE HOSE VALVE WITH HYDROLATOR

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



DOUBLE FEMALE

① STANDARD EQUIPMENT:

Female NPT inlet and outlet forged brass valve, with hyrolator. Red handwheel.

⇒ RELATED PRODUCTS



A65 p. 61



A70 p. 58-60



A7 p. 48

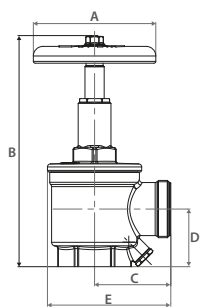
SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"	ULC	4-1/32"	7-19/32"	2-5/32"	1-7/8"	3-11/16"	●		●	●

A51

300 PSI
RATED PRESSURE

ANGLE HOSE VALVE WITH HYDROLATOR

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



FEMALE X MALE HOSE CONNECTION

① STANDARD EQUIPMENT:

Female NPT inlet x male hose thread outlet forged brass valve, with hyrolator. Red handwheel.

⇒ RELATED PRODUCTS



A80 p. 62



A70 p. 58-60



A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"	ULC	4-1/32"	7-19/32"	2-1/2"	1-7/8"	4-1/32"	●		●	●

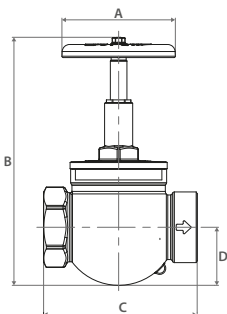


1.2 STRAIGHT HOSE VALVES

A85

175 PSI
RATED PRESSURE

STRAIGHT GLOBE HOSE VALVE



DOUBLE FEMALE

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

① STANDARD EQUIPMENT:

Female NPT inlet and outlet cast bronze body, 175 lbs. Red handwheel.

⚠ Certified as pressure restricting valve with shut off feature.

⇒ RELATED PRODUCTS



A65 p. 61



A70 p. 58-60



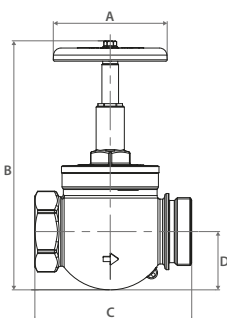
A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS				FINISHING			
		A	B	C	D	BRONZE	POLISHED	CHROME	POLISHED CHROME
2-1/2"	 175 PSI	5-1/8"	11-3/16"	6-15/16"	2-5/8"	●			

A86

175 PSI
RATED PRESSURE

STRAIGHT GLOBE HOSE VALVE



FEMALE X MALE HOSE THREAD

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

① STANDARD EQUIPMENT:

Female NPT inlet x male hose thread outlet cast bronze body, 175 lbs. Red handwheel.

⚠ Certified as pressure restricting valve with shut off feature.

⇒ RELATED PRODUCTS



A80 p. 62



A70 p. 58-60



A7 p. 48

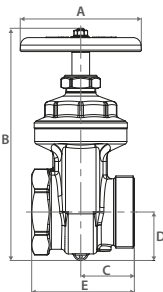
SIZE	CERTIFICATIONS	DIMENSIONS				FINISHING			
		A	B	C	D	BRONZE	POLISHED	CHROME	POLISHED CHROME
2-1/2"	 175 PSI	5-1/8"	11-3/16"	7-1/16"	2-5/8"	●		●	



1.3 GATE VALVES

A53

300 PSI
RATED PRESSURE



GATE VALVE



FEMALE X MALE HOSE THREAD

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

① STANDARD EQUIPMENT:

Female NPT inlet x male hose thread outlet, forged brass with red handwheel, solid wedge disc with tapered seats. Available with or without cap and chain.

⇒ RELATED PRODUCTS



A97 p. 44



A98 p. 45

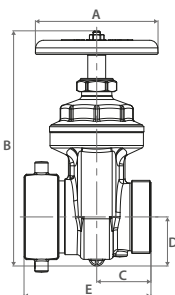


A111 p. 39

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2"		5-1/8"	9-13/16"	2-1/4"	2-1/16"	4-11/32"	●	●	●	●
3" x 2-1/2"		5-1/8"	9-15/16"	2-1/4"	2-3/16"	4-17/32"	●	●		

A53G

300 PSI
RATED PRESSURE



SINGLE HYDRANT GATE VALVE



MALE X FEMALE SWIVEL

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

① STANDARD EQUIPMENT:

Brass body with brass trim, pin or rocker lug, male x female hose thread swivel. Red handwheel.

△ Swivel with pin or rocker lugs.

Particularly recommended when space limitation precludes a permanent type installation.

⇒ RELATED PRODUCTS



A97 p. 44



A98 p. 45

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2"		5-1/8"	9-13/16"	2-1/4"	2-1/16"	5-5/16"	●			



CHAPTER 2

Pressure Restricting Valves and Pressure Reducing Valves to manage static and residual pressure as per NFPA standard requirements.

PRESSURE REGULATING VALVES

- 2.1 PRESSURE RESTRICTING VALVES
- 2.2 FIELD ADJUSTABLE PRESSURE REDUCING VALVES
- 2.3 FACTORY SET PRESSURE REDUCING VALVES

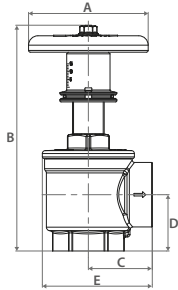


2.1 PRESSURE RESTRICTING VALVES

A155

300 PSI
RATED PRESSURE

PRESSURE RESTRICTING VALVE



DOUBLE FEMALE - ANGLE

Used with a fire hose rack assembly. Water pressure is controlled by adjustable flow restriction. If full flow is required, the restriction may be overridden.

① STANDARD EQUIPMENT:

Female NPT inlet and outlet forged brass valve.
Red handwheel.

⇒ RELATED PRODUCTS



A65 p. 61



A70 p. 58-60



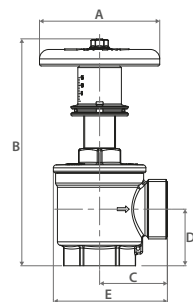
A7 p. 48

SIZE	CERTIFICATIONS			DIMENSIONS					FINISHING			
				A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"				4-1/32"	7-19/32"	2-5/32"	1-7/8"	3-11/16"	●	●	●	●
	300 PSI	175 PSI	175 PSI									
2-1/2"				5-1/8"	10-19/32"	3-5/16"	2-5/8"	5-3/8"	●	●	●	●
	300 PSI	175 PSI	175 PSI									

A156

300 PSI
RATED PRESSURE

PRESSURE RESTRICTING VALVE



FEMALE X MALE HOSE THREAD - ANGLE

Used with a fire hose rack assembly or as a fire dept. outlet connection. Water pressure is controlled by adjustable flow restriction. If full flow is required, the restriction may be overridden.

① STANDARD EQUIPMENT:

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

⇒ RELATED PRODUCTS



A80 p. 62



A70 p. 58-60



A7 p. 48

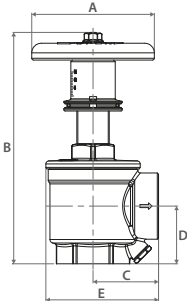
SIZE	CERTIFICATIONS			DIMENSIONS					FINISHING			
				A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"				4-1/32"	7-19/32"	2-1/4"	1-7/8"	3-13/16"	●	●	●	●
	300 PSI	175 PSI	175 PSI									
2-1/2"				5-1/8"	10-19/32"	3"	2-5/8"	5-1/16"	●	●	●	●
	300 PSI	175 PSI	175 PSI									

A155S

175 PSI
RATED PRESSURE

PRESSURE RESTRICTING VALVE WITH HYDROLATOR

Used with a fire hose rack assembly. Water pressure is controlled by adjustable flow restriction. If full flow is required, the restriction may be overridden.



DOUBLE FEMALE - ANGLE

① STANDARD EQUIPMENT:

Female NPT inlet and outlet forged brass valve with hydrolator. Red handwheel.

⇒ RELATED PRODUCTS



A65 p. 61



A70 p. 58-60



A7 p. 48

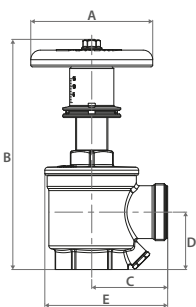
SIZE	CERTIFICATIONS		DIMENSIONS					FINISHING			
			A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"			4-1/32"	7-19/32"	2-5/32"	1-7/8"	3-11/16"	●		●	●
175 PSI											

A156S

175 PSI
RATED PRESSURE

PRESSURE RESTRICTING VALVE WITH HYDROLATOR

Used with a fire hose rack assembly or as a fire dept. outlet connection. Water pressure is controlled by adjustable flow restriction. If full flow is required, the restriction may be overridden.



FEMALE X MALE HOSE THREAD - ANGLE

① STANDARD EQUIPMENT:

Female NPT inlet x male hose thread outlet forged brass valve with hydrolator. Red handwheel.

⇒ RELATED PRODUCTS



A80 p. 62



A70 p. 58-60



A7 p. 48

SIZE	CERTIFICATIONS		DIMENSIONS					FINISHING			
			A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"			4-1/32"	7-19/32"	2-1/2"	1-7/8"	4-1/32"	●		●	●
175 PSI											

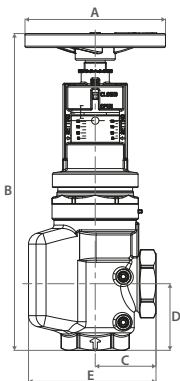


2.2 FIELD ADJUSTABLE PRESSURE REDUCING VALVES

A201

400 PSI
RATED PRESSURE

FIELD ADJUSTABLE PRESSURE REDUCING VALVE WITH CHECKING DEVICE



DOUBLE FEMALE - ANGLE

Used as a zone control valve for in-line application to regulate sprinkler, stand pipe and combined fire protection systems. Indicator bonnet shows whether valve is open or closed. Adjustable scale permits easy field setting. The valve is used to regulate inlet pressure up to 400 lbs.

① STANDARD EQUIPMENT:

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

⚠ Downstream pressure setting range 65÷175 PSI. With backflow preventer feature.

⇨ RELATED PRODUCTS



A155 p. 26



A156 p. 26



A55E p. 18



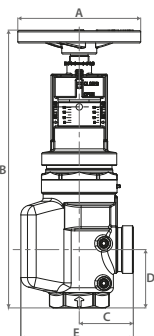
A56E p. 18

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRONZE	POLISHED	CHROME	POLISHED CHROME
2-1/2"		7-7/8"	17-25/32"	3-13/32"	3-23/32"	7-5/32"	●			

A202

400 PSI
RATED PRESSURE

FIELD ADJUSTABLE PRESSURE REDUCING VALVE



FEMALE X MALE HOSE THREAD - ANGLE

Used as a zone control valve for in-line application to regulate sprinkler, stand pipe and combined fire protection system. Indicator bonnet shows whether valve is opened or closed. Adjustable scale permits easy field setting. The valve is used to regulate inlet pressure up to 400 lbs.

① STANDARD EQUIPMENT:

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

⚠ Downstream pressure setting range 65÷175 PSI.

⇨ RELATED PRODUCTS



A75 p. 67



A80 p. 62



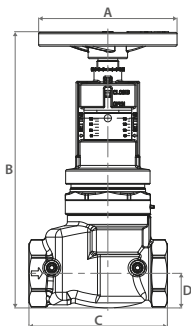
A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRONZE	POLISHED	CHROME	POLISHED CHROME
2-1/2"		7-7/8"	17-13/16"	3-15/32"	3-3/4"	7-7/32"	●		●	

A203

400 PSI
RATED PRESSURE

FIELD ADJUSTABLE PRESSURE REDUCING VALVE WITH CHECKING DEVICE



DOUBLE FEMALE - STRAIGHT

Used as a zone control valve for in-line application to regulate sprinkler, stand pipe and combined fire protection system. Indicator bonnet shows whether valve is opened or closed. Adjustable scale permits easy field setting. The valve is used to regulate inlet pressure up to 400 lbs.

① STANDARD EQUIPMENT:

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

⚠ Downstream pressure setting range 65÷175 PSI. With backflow preventer feature.

⇨ RELATED PRODUCTS



A155 p. 26



A156 p. 26



A55E p. 18



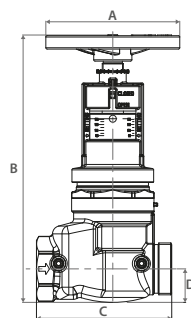
A56E p. 18

SIZE	CERTIFICATIONS	DIMENSIONS				FINISHING			
		A	B	C	D	BRONZE	POLISHED	CHROME	POLISHED CHROME
2-1/2"		7-7/8"	15-13/16"	7-7/8"	1-31/32"	●			

A204

400 PSI
RATED PRESSURE

FIELD ADJUSTABLE PRESSURE REDUCING VALVE



FEMALE X MALE HOSE THREAD - STRAIGHT

Used as a zone control valve for in-line application to regulate sprinkler, stand pipe and combined fire protection system. Indicator bonnet shows whether valve is opened or closed. Adjustable scale permits easy field setting. The valve is used to regulate inlet pressure up to 400 lbs.

① STANDARD EQUIPMENT:

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

⚠ Downstream pressure setting range 65÷175 PSI.

⇨ RELATED PRODUCTS



A75 p. 67



A80 p. 62



A7 p. 48

SIZE	CERTIFICATIONS	DIMENSIONS				FINISHING			
		A	B	C	D	BRONZE	POLISHED	CHROME	POLISHED CHROME
2-1/2"		7-7/8"	15-23/32"	7-15/16"	1-31/32"	●			

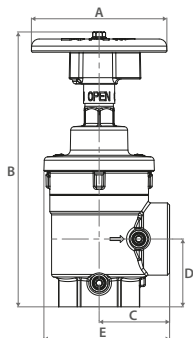


2.3 FACTORY SET PRESSURE REDUCING VALVES

A221

400 PSI
RATED PRESSURE

ANGLE FACTORY SET PRESSURE REDUCING VALVE



Used as a zone control valve for in-line application to regulate sprinkler, stand pipe and combined fire protection system. Indicator bonnet shows whether valve is opened or closed.

Valves are factory set with 8 different bonnets with specific pressure reduction ratio. The valves can manage inlet pressure up to 400 lbs.

① STANDARD EQUIPMENT:

Brass body with Female NPT and groove inlet and outlet. Visual indicator. Red handwheel. With 1/4" NPT side taps for pressure gauges.

Downstream pressure setting range 50÷175 PSI. Also available with integrated monitor switch

⇒ RELATED PRODUCTS

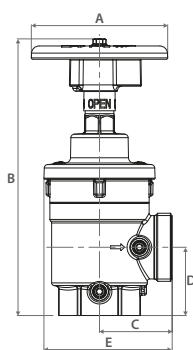


SIZE/BONNET	CERTIFICATIONS	DIMENSIONS					FINISHING				RATED PRESSURE PSI
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME	
GROOVE X FEMALE											
2-1/2"		6-1/16"	12-13/16"	3-11/32"	3-17/32"	5-13/16"	●				
DOUBLE FEMALE											
2-1/2"		6-1/16"	12-9/32"	3-5/32"	3-1/32"	5-5/8"	●				

A222

400 PSI
RATED PRESSURE

ANGLE FACTORY SET PRESSURE REDUCING VALVE



Used as a zone control valve for in-line application to regulate sprinkler, stand pipe and combined fire protection system. Indicator bonnet shows whether valve is opened or closed.

Valves are factory set with 8 different bonnets with specific pressure reduction ratio.

The valves can manage inlet pressure up to 400 lbs.

① STANDARD EQUIPMENT:

Brass body with Female NPT or groove inlet and hose thread NH outlet. Visual indicator. Red handwheel. With 1/4" NPT hose thread side taps for pressure gauges.

Downstream pressure setting range 50÷175 PSI. Also available with integrated monitor switch

⇒ RELATED PRODUCTS



SIZE/BONNET	CERTIFICATIONS	DIMENSIONS					FINISHING				RATED PRESSURE PSI
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME	
GROOVE X MALE											
2-1/2"		6-1/16"	12-13/16"	3-7/32"	3-17/32"	5-11/16"	●				
FEMALE X MALE											
2-1/2"		6-1/16"	12-9/32"	3-7/32"	3-7/32"	5-11/16"	●				



A223

400 PSI
RATED PRESSURE

**STRAIGHT FACTORY SET PRESSURE
REDUCING VALVE**

Used as a zone control valve for in-line application to regulate sprinkler, stand pipe and combined fire protection system. Indicator bonnet shows whether valve is opened or closed.

Valves are factory set with 8 different bonnets with specific pressure reduction ratio.

The valves can manage inlet pressure up to 400 lbs.

① STANDARD EQUIPMENT:

Brass body with Female NPT and groove inlet and outlet. Visual indicator. Red handwheel.

With 1/4" NPT side taps for pressure gauges. Downstream pressure setting range 50-175 PSI. Also available with integrated monitor switch

⇒ RELATED PRODUCTS



A155 p. 26



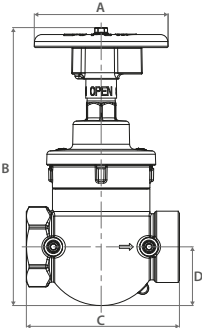
A156 p. 26



A55E p. 18



A56E p. 18



DOUBLE GROOVE

DOUBLE FEMALE

SIZE/BONNET	CERTIFICATIONS	DIMENSIONS				FINISHING				RATED PRESSURE PSI
		A	B	C	D	BRASS	POLISHED	CHROME	POLISHED CHROME	
DOUBLE GROOVE										
2-1/2"		6-1/16"	12-19/32"	7-5/16"	2-21/32"	●				
DOUBLE FEMALE										
2-1/2"		6-1/16"	12-19/32"	6-15/16"	2-21/32"	●				



CHAPTER 3

Wide selection of Fire Department connections and Roof Manifolds. Several connections and design styles are available, to fit all applications.

FIRE DEPARTMENT CONNECTIONS/ROOF MANIFOLDS

- 3.1 INLET CONNECTIONS
- 3.2 OUTLET CONNECTIONS

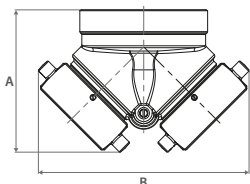


3.1 INLET CONNECTIONS

A95

300 PSI
RATED PRESSURE

BRANDING:
"AUTO SPKR"



EXPOSED FIRE DEPT. INLET CONNECTION



TWO WAY-SINGLE CLAPPER-BACK

Used as an auxiliary inlet connection providing 500 GPM minimum to supplement the fire protection water supply. Swing clapper provides full waterway. Exposed design provides an economical method of satisfying Fire Dept. inlet requirements.

① STANDARD EQUIPMENT:

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

⇒ RELATED PRODUCTS

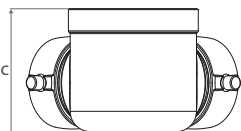
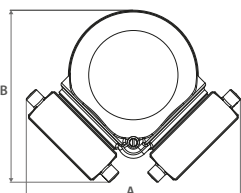


A81 p. 61

SIZE	CERTIFICATIONS		DIMENSIONS		FINISHING			
			A	B	BRASS	POLISHED	CHROME	POLISHED CHROME
4" x 2-1/2"			5-5/8"	8-5/16"	●			
	300 PSI	300 PSI						

A96

300 PSI
RATED PRESSURE



BRANDING: "AUTO SPKR"

EXPOSED FIRE DEPT. INLET CONNECTION



TWO WAY-SINGLE CLAPPER-ANGLE

Used as an auxiliary inlet connection providing 500 GPM minimum to supplement the fire protection water supply. Swing clapper provides full waterway. Exposed design provides an economical method of satisfying Fire Dept. inlet requirements.

① STANDARD EQUIPMENT:

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

⇒ RELATED PRODUCTS



A81 p. 61

SIZE	CERTIFICATIONS		DIMENSIONS			FINISHING			
			A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME
4" x 2-1/2"			8-5/16"	6-11/16"	4-29/32"	●			
	300 PSI	300 PSI							

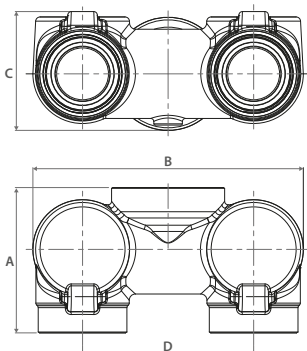


A101

300 PSI
RATED PRESSURE

FIRE DEPT. INLET CONNECTION

Concealed auxiliary inlet connection with 500 GPM minimum inlet capacity to supplement Fire Protection water supply.



BACK THREADED



BACK GROOVE

① STANDARD EQUIPMENT:

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

↔ RELATED PRODUCTS



A103 p. 65



A90 p. 63



A91 p. 63



A81 p. 61

SIZE	CERTIFICATIONS	DIMENSIONS				FINISHING			
		A	B	C	D	BRASS	POLISHED	CHROME	POLISHED CHROME
GROOVE CONNECTION									
4" x 2-1/2"	175 PSI	7-1/4"	10-7/8"	5-1/32"	7"	●			
4" x 3"	175 PSI	7-25/32"	12-1/16"	5-9/32"	7-5/8"	●			
6" x 2-1/2"	175 PSI	7-9/16"	11-15/32"	7-3/32"	7-5/8"	●			
THREAD CONNECTION									
4" x 2-1/2"	175 PSI	5-15/16"	10-7/8"	5-1/32"	7"	●			
4" x 3"	300 PSI / 175 PSI	6-15/32"	12-1/16"	5-9/32"	7-5/8"	●			
6" x 2-1/2"	175 PSI	6-5-16"	11-15/32"	7-3/32"	7-5/8"	●			
6" x 3"	175 PSI	6-15/16"	12-1/16"	7-15/32"	7-5/8"	●			

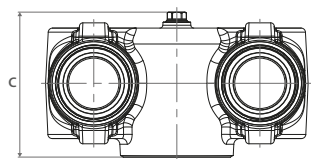


A102

300 PSI
RATED PRESSURE

FIRE DEPT. INLET CONNECTION

Concealed auxiliary inlet connection with 500 GPM minimum inlet capacity to supplement Fire Protection water supply.

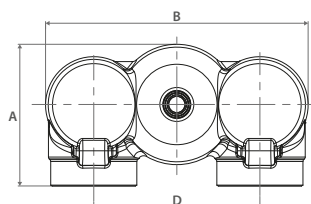


⌨ BOTTOM-TOP THREADED

① STANDARD EQUIPMENT:

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

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



⌨ BOTTOM-TOP GROOVE

⇒ RELATED PRODUCTS



A103 p. 65













A90 p. 63



A91 p. 63



A81 p. 61

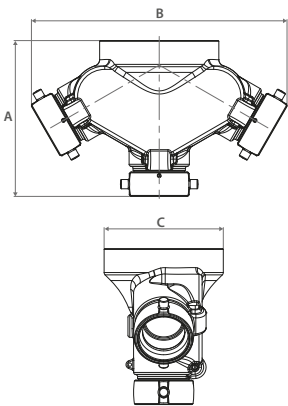
SIZE	CERTIFICATIONS	DIMENSIONS				FINISHING			
		A	B	C	D	BRASS	POLISHED	CHROME	POLISHED CHROME
GROOVE CONNECTION									
4" x 2-1/2"	 LISTED	6-1/32"	10-7/8"	7-15/32"	7"	●			
	175 PSI								
4" x 3"	  APPROVED LISTED	6-1/2"	12-1/16"	7-31/32"	7-5/8"	●			
	175 PSI								
6" x 2-1/2"	  APPROVED LISTED	8-19/32"	11-15/32"	7-31/32"	7-5/8"	●			
	175 PSI								
THREAD CONNECTION									
4" x 2-1/2"	 US LISTED	6-1/32"	10-7/8"	6-5/32"	7"	●			
	175 PSI								
4" x 3"	  APPROVED LISTED	6-1/2"	12-1/16"	6-21/32"	7-5/8"	●			
	300 PSI						175 PSI		
6" x 2-1/2"	  APPROVED LISTED	8-19/32"	11-15/32"	6-23/32"	7-5/8"	●			
6" x 3"	 US LISTED	9-3/16"	12"	6-3/4"	7-5/8"	●			
	175 PSI								



A105

300 PSI
RATED PRESSURE

BRANDING:
A105/1 - AUTO-SPKR,
A105/2 - STANDPIPE
A105/3 - PLAIN



EXPOSED FIRE DEPT. INLET CONNECTION CLAPPER TYPE

Used as an auxiliary inlet connection providing 500 GPM minimum to supplement the fire protection water supply. Swing clapper provides full waterway. Exposed design provides a convenient method of satisfying Fire Dept. inlet requirements.



THREE WAY TRIPLE CLAPPER BACK



TWO WAY DOUBLE CLAPPER BACK






① STANDARD EQUIPMENT:

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

⇒ RELATED PRODUCTS



A81 p. 61

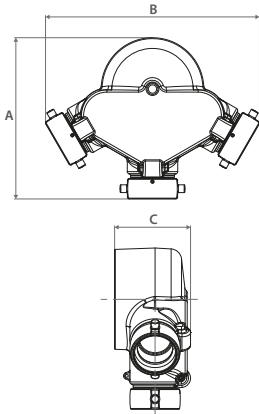
SIZE	WAYS	CERTIFICATIONS	DIMENSIONS			FINISHING				BRANDING
			A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME	
GROOVE CONNECTION										
4" x 2-1/2"	2		9-13/32"	13-9/32"	5-1/32"	●				
6" x 2-1/2"	2		9-17/64"	15-13/64"	7-3/32"	●				
THREAD CONNECTION										
4" x 2-1/2"	2	  175 PSI	7-9/32"	11-21/32"	5-1/32"	●				AUTO-SPKR STANDPIPE
4" x 3"	2	 300 PSI	8-1/32"	12-7/8"	5-1/32"	●				AUTO-SPKR STANDPIPE NEUTRAL
6" x 2-1/2"	2	 175 PSI	8-5/32"	11-21/32"	7-3/32"	●				AUTO-SPKR STANDPIPE NEUTRAL
6" x 3"	2	 300 PSI	8-3/4"	12-7/8"	7-15/32"	●				AUTO-SPKR STANDPIPE NEUTRAL
4" x 2-1/2"	3		9-1/4"	15-3/16"	7-3/32"	●				AUTO-SPKR STANDPIPE
6" x 2-1/2"	3		9-1/4"	15-3/16"	7-3/32"	●				AUTO-SPKR STANDPIPE NEUTRAL



A106

300 PSI
RATED PRESSURE

BRANDING:
A106/1 - AUTO-SPKR
A106/2 - STANDPIPE
A106/3 - PLAIN



EXPOSED FIRE DEPT. INLET CONNECTION CLAPPER TYPE



THREE WAY TRIPLE CLAPPER ANGLE



TWO WAY DOUBLE CLAPPER ANGLE

Used as an auxiliary inlet connection providing 500 GPM minimum to supplement the fire protection water supply. Swing clapper provides full waterway. Exposed design provides a convenient method of satisfying Fire Dept. inlet requirements.

① STANDARD EQUIPMENT:

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

⇒ RELATED PRODUCTS



A81 p. 61

SIZE	WAYS	CERTIFICATIONS	DIMENSIONS			FINISHING				BRANDING
			A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME	
4" x 2-1/2"	2	 175 PSI	8-1/2"	11-21/32"	5-13/32"	●				AUTO-SPKR STANDPIPE
4" x 3"	2	 300 PSI	9-3/32"	12-7/8"	5-21/32"	●				AUTO-SPKR STANDPIPE NEUTRAL
6" x 2-1/2"	2	 175 PSI	9-15/32"	11-21/32"	5-13/32"	●				AUTO-SPKR STANDPIPE NEUTRAL
6" x 3"	2	 300 PSI	10-9/32"	12-7/8"	5-7/8"	●				AUTO-SPKR STANDPIPE NEUTRAL
4" x 2-1/2"	3		11-15/32"	15-3/16"	5-13/32"					AUTO-SPKR STANDPIPE
6" x 2-1/2"	3		11-15/32"	15-3/16"	5-13/32"					AUTO-SPKR STANDPIPE NEUTRAL

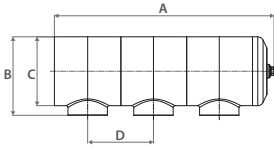


A111

300 PSI
RATED PRESSURE

**FLUSH FIRE DEPT. INLET CONNECTIONS
CLAPPER SNOOT TYPE**

Used as an auxiliary inlet connection to supplement the fire protection water supply. Available with 3, 4, 6 outlets; NPT Threads. Made of forged brass. UL certified as both roof manifold and flush fire dept. connection.



END OUTLET BODY

⇒ RELATED PRODUCTS



A90C p. 64



A91C p. 64



A53 p. 23

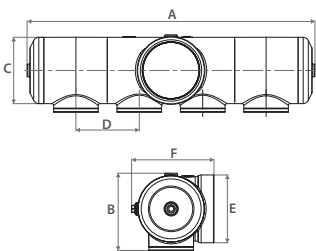
SIZE	WAYS	CERTIFICATIONS	DIMENSIONS				FINISHING			
			A	B	C	D	BRASS	POLISHED	CHROME	POLISHED CHROME
6" x 3"	3		23-3/8"	8-11/32"	7-11/32"	7"	●			
	4		30-3/8"	8-11/32"	7-11/32"	7"				
	6		44-3/8"	8-11/32"	7-11/32"	7"				
8" x 3"			① 6" body with adapter 6"x8"				●			

A113

300 PSI
RATED PRESSURE

**FLUSH FIRE DEPT. INLET CONNECTIONS
CLAPPER SNOOT TYPE**

Used as an auxiliary inlet connection to supplement the fire protection water supply. Available with 4, 6 outlets; NPT Threads. Made of forged brass.



ANGLE OUTLET BODY

⇒ RELATED PRODUCTS



A90C p. 64



A91C p. 64



A53 p. 23

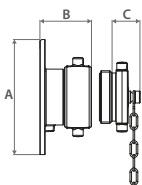
SIZE	WAYS	CERTIFICATIONS	DIMENSIONS						FINISHING			
			A	B	C	D	E	F	BRASS	POLISHED	CHROME	POLISHED CHROME
6" x 3"	4		31-25/32"	8-17/32"	7-11/32"	7"	7-15/32"	9-3/32"	●			
8" x 3"	6		① 6" body with adapter 6"x8"						●			



A190T

175 PSI
RATED PRESSURE

BRANDING:
AUTO-SPKR



RESIDENTIAL FIRE DEPT. CONNECTION



Inlet connection to supplement the water supply to a residential sprinkler system.

SIZE	CERTIFICATIONS	DIMENSIONS			FINISHING			
		A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2" X 1-1/2"		4-11/32"	1-61/64"	29/32"	●			
	175 PSI							

A121

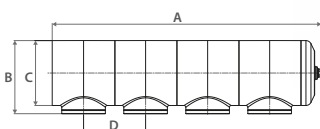
300 PSI
RATED PRESSURE

FLUSH FIRE DEPT. INLET CONNECTIONS CLAPPER BODY TYPE



Used as an auxiliary inlet connection to supplement the fire protection water supply. Drop clappers provide unobstructed waterway. Supplied with HL configuration Available with 4, 6 outlets; NPT Threads. Made of forged brass.

Standard version "Horizontal Left".



END OUTLET BODY

⇒ RELATED PRODUCTS



A90 p. 63



A91 p. 63



A81 p. 61

SIZE	WAYS	CERTIFICATIONS	DIMENSIONS				FINISHING			
			A	B	C	D	BRASS	POLISHED	CHROME	POLISHED CHROME
6" x 3"	4		30-3/8"	8-1/4"	7-11/32"	7"	●			
	6		44-3/8"	8-1/4"	7-11/32"	7"				
8" x 3"			① 6" body with adapter 6"x8"				●			



A122

300 PSI
RATED PRESSURE

**FLUSH FIRE DEPT. INLET CONNECTIONS
CLAPPER BODY TYPE**

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 outlets; NPT Threads. Made of forged brass.

Standard version "Horizontal back".

⇒ RELATED PRODUCTS



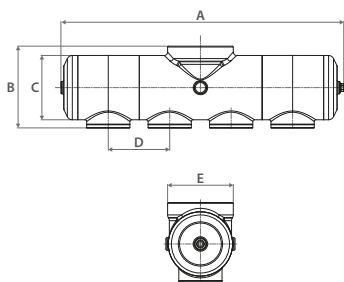
A90 p. 63



A91 p. 63



A81 p. 61



BACK OUTLET BODY

SIZE	WAYS	CERTIFICATIONS	DIMENSIONS					FINISHING			
			A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
6" x 3"	4		32-7/32"	9-5/16"	7-11/32"	7"	7-15/32"	●			
	6		46-7/32"	9-5/16"	7-11/32"	7"	7-15/32"				
8" x 3"			① 6" body with adapter 6"x8"					●			

A123

300 PSI
RATED PRESSURE

**FLUSH FIRE DEPT. INLET CONNECTIONS
CLAPPER BODY TYPE**

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 outlets; NPT Threads. Made of forged brass.

Standard version "Horizontal bottom".

⇒ RELATED PRODUCTS



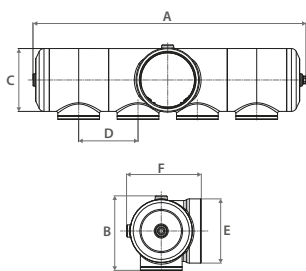
A90 p. 63



A91 p. 63



A81 p. 61



ANGLE OUTLET BODY

SIZE	WAYS	CERTIFICATIONS	DIMENSIONS						FINISHING			
			A	B	C	D	E	F	BRASS	POLISHED	CHROME	POLISHED CHROME
6" x 3"	4		31-25/32"	8-17/32"	7-11/32"	7"	7-15/32"	9-3/32"	●			
	6		45-25/32"	8-17/32"	7-11/32"	7"	7-15/32"	9-3/32"				
8" x 3"			① 6" body with adapter 6"x8"						●			



A114**300 PSI**
RATED PRESSURE**FLUSH FIRE DEPT. INLET CONNECTIONS**
CLAPPER SNOOT TYPE

Used as an auxiliary inlet connection to supplement the fire protection water supply. Available with NPT Threads. Casted bronze.

Four-way Square Body.

⇒ RELATED PRODUCTS



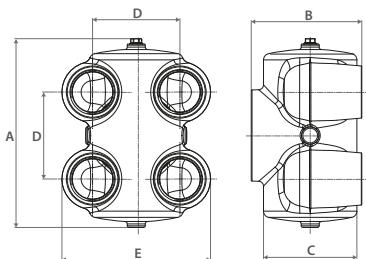
A90C p. 64



A91C p. 64



A53 p. 23



BACK OUTLET BODY

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRONZE	POLISHED	CHROME	POLISHED CHROME
6" x 3"		15-3/16"	8-27/32"	7-15/32"	7"	11-15/16"	●			
8" x 3"		① 6" body with adapter 6"x8"					●			

A115**300 PSI**
RATED PRESSURE**FLUSH FIRE DEPT. INLET CONNECTIONS**
CLAPPER SNOOT TYPE

Used as an auxiliary inlet connection to supplement the fire protection water supply. Available with NPT Threads. Casted bronze.

Four-way Square Body.

⇒ RELATED PRODUCTS



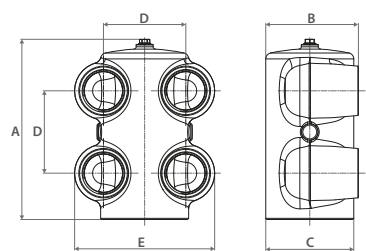
A90C p. 64



A91C p. 64



A53 p. 23



ANGLE OUTLET BODY

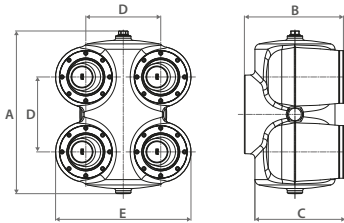
SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRONZE	POLISHED	CHROME	POLISHED CHROME
6" x 3"		15-11/32"	7-7/8"	7-15/32"	7"	11-15/16"	●			
8" x 3"		① 6" body with adapter 6"x8"					●			

A124

300 PSI
RATED PRESSURE

**FLUSH FIRE DEPT. INLET CONNECTIONS
CLAPPER BODY TYPE**

Used as an auxiliary inlet connection to supplement the fire protection water supply. Drop clappers provide unobstructed waterway. Available with NPT Threads. Casted bronze.



BACK OUTLET BODY

Four-way Square Body.

⇒ RELATED PRODUCTS



A90C p. 64



A91C p. 64



A53 p. 23

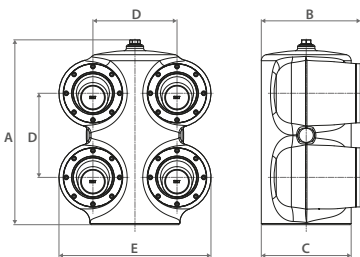
SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRONZE	POLISHED	CHROME	POLISHED CHROME
6" x 3"		15-3/16"	9-1/4"	7-15/32"	7"	12-21/32"	●			
8" x 3"		① 6" body with adapter 6"x8"					●			

A125

300 PSI
RATED PRESSURE

**FLUSH FIRE DEPT. INLET CONNECTIONS
CLAPPER BODY TYPE**

Used as an auxiliary inlet connection to supplement the fire protection water supply. Drop clappers provide unobstructed waterway. Supplied with B configuration; NPT Threads. Casted bronze.



ANGLE OUTLET BODY

Four-way Square Body.

⇒ RELATED PRODUCTS



A90C p. 64



A91C p. 64



A53 p. 23

SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRONZE	POLISHED	CHROME	POLISHED CHROME
6" x 3"		15-11/32"	8-9/32"	7-15/32"	7"	12-21/32"	●			
8" x 3"		① Standard version "Bottom". 6" body with adapter 6"x8"					●			

3.2 OUTLET CONNECTIONS

A99

300 PSI
RATED PRESSURE

LEADER LINE 1/4 TURN BALL TYPE WYE VALVE

Chrome plated finish with rocker lug swivels.

① STANDARD EQUIPMENT:

Red painted.

⇨ RELATED PRODUCTS



A53 p. 23



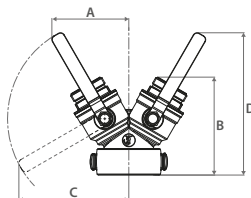
A56E p. 18



A97 p. 44



A98 p. 45



SIZE	CERTIFICATIONS	DIMENSIONS				FINISHING			
		A	B	C	D	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2" X 1-1/2"		4-7/32"	5-17/32"	6-1/32"	7-31/32"				●

A97

300 PSI
RATED PRESSURE

ROOF FIRE DEPT. OUTLET CONNECTION

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

① STANDARD EQUIPMENT:

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

⇨ RELATED PRODUCTS



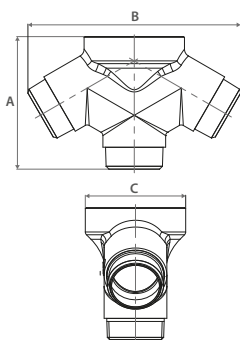
A53 p. 23



A53G p. 23



A56E p. 18



☞ TWO WAY-BACK



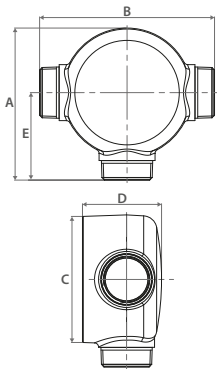
☞ THREE WAY-BACK

SIZE	WAYS	CERTIFICATIONS	DIMENSIONS			FINISHING			
			A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME
4" x 2-1/2"	2		4-25/32"	6-5/8"	5-1/32"	●			
	3		6-21/32"	10-11/16"	5-1/32"	●			
6" x 2-1/2"	2		5-23/32"	8-5/8"	7-3/32"	●			
	3		6-7/8"	10-13/16"	7-3/32"	●			



A98

300 PSI
RATED PRESSURE



ROOF FIRE DEPT. OUTLET CONNECTION



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

① STANDARD EQUIPMENT:

Cast brass body with female NPT inlet and male NPT or male hose thread outlets. Angle connection.

↪ RELATED PRODUCTS



A53 p. 23



A53G p. 23



A56E p. 18

SIZE	WAYS	CERTIFICATIONS	DIMENSIONS					FINISHING			
			A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
4" x 2-1/2"	2		5-31/32"	6-29/32"	5-1/32"	4-29/32"	3-15/32"	●			
	3		6-15/32"	7-23/32"	5-1/32"	4-5/16"	3-27/32"	●			
6" x 2-1/2"	2		8"	8-3/4"	7-3/32"	4-17/32"	4-3/8"	●			
	3		8-9/16"	9-27/32"	7-3/32"	4-7/16"	4-29/32"	●			



CHAPTER 4

Brass and plastic for nozzles
with large selection
of threads and finishing.

NOZZLES

- 4.1 BRASS NOZZLES
- 4.2 PLASTIC NOZZLES



4.1 BRASS NOZZLES

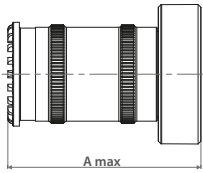
A7**100 PSI**
RATED PRESSURE






ADJUSTABLE FOG NOZZLE

For hose rack.

① STANDARD EQUIPMENT:

Forged brass nozzle with adjustment from full fog to solid stream and shut-off.



SIZE	CERTIFICATIONS	DIMENSIONS	FINISHING			
		A max	BRASS	POLISHED	CHROME	POLISHED CHROME
WITHOUT BUMPER						
1-1/2"	 	3-13/16"	●			
WITH BUMPER						
1-1/2"	 	3-13/16"	●		●	
2-1/2"		4-29/32"	●			

4.2 PLASTIC NOZZLES

A7BP

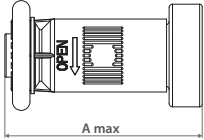
100 PSI
RATED PRESSURE

PLASTIC ADJUSTABLE FOG NOZZLE
WITH RUBBER BUMPER



For residential application

① STANDARD EQUIPMENT:

Nozzle with adjustment from full fog to solid stream and shut-off. Made of ABS.



WITH BUMPER

SIZE	CERTIFICATIONS	DIMENSIONS	FINISHING			
		A max	RED PLASTIC	POLISHED	CHROME	POLISHED CHROME
1-1/2"	 	4-31/32"	●			



CHAPTER 5

Angle and straight Test&Drain valves
with large selection of orifices
to match all k-factors.
The line is completed
by certified line testers.

SPECIALTIES

5.1 TEST AND DRAIN VALVES, LINE TESTER



5.1 TEST AND DRAIN VALVES, LINE TESTER

A61

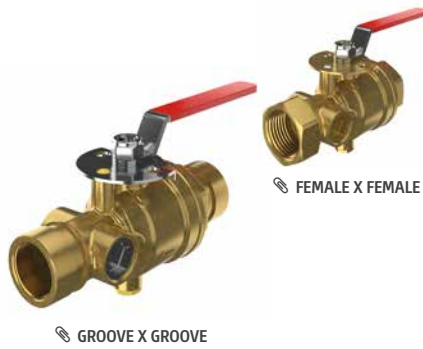
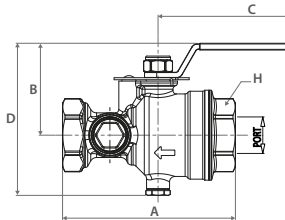
300 PSI
RATED PRESSURE

TEST AND DRAIN VALVE

It combines the function of testing and draining the system.

① STANDARD EQUIPMENT:

Groove or female NPT or Rp ISO thread inlet and outlet, forged brass body, chrome plated ball with PTFE seats.



SIZE	CERTIFICATIONS	DIMENSIONS								FINISHING			
		C (plug)	Port	A	B	C	D	H	BRASS	POLISHED	CHROME	POLISHED CHROME	
FEMALE X FEMALE													
1"		5-1/32"	2-11/16"	5-11/32"	4-13/32"	-	-	1-29/32"	●				
1-1/4"		5-1/32"	2-11/16"	5-11/32"	4-13/32"	-	-	1-29/32"	●				
1-1/2"		6-3/16"	4"	6-13/16"	6-9/32"	-	-	2-5/8"	●				
2"		6-3/16"	4"	6-13/16"	6-9/32"	-	-	2-5/8"	●				
GROOVE X GROOVE													
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	●				

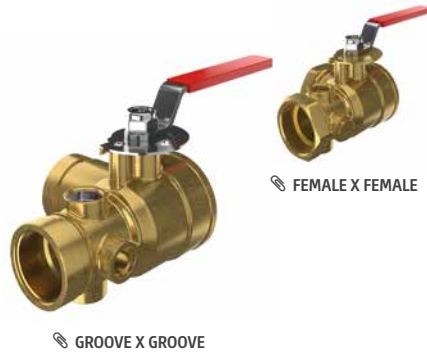
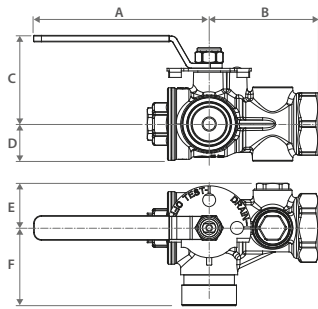
SIZE	ORIFICE	K FACTOR
1"	3/8"	2.8
	7/16"	4.2
	1/2"	5.6
	17/32"	8.0
1-1/4"	3/8"	2.8
	7/16"	4.2
	1/2"	5.6
	17/32"	8.0
	5/8"	11.2
	3/4"	14.0
2"	7/16"	4.2
	1/2"	5.6
	17/32"	8.0
	5/8"	11.2
	3/4"	14.0
	15/16"	16.8
	1-5/64"	22.4
1-9/64"	25.2	

A62

300 PSI
RATED PRESSURE

ANGLE TEST AND DRAIN VALVE

It combines the function of testing and draining the system.



① STANDARD EQUIPMENT:

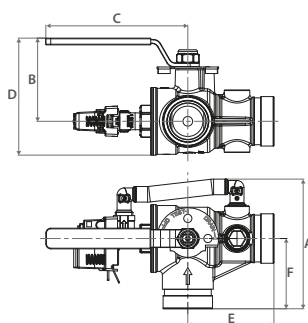
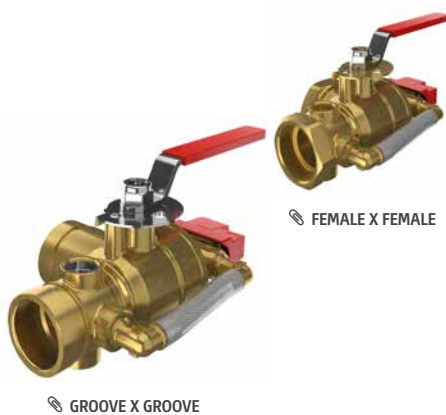
Groove or female NPT inlet and outlet, forged brass body, chrome plated ball with PTFE seats.

SIZE	CERTIFICATIONS	DIMENSIONS						FINISHING			
		A	B	C	D	E	F	BRASS	POLISHED	CHROME	POLISHED CHROME
FEMALE X FEMALE											
1-1/4"		5-1/4"	3-5/16"	2-11/16"	1-3/32"	1-23/64"	1-31/32"	●			
2"		6-13/16"	3-55/64"	4"	1-5/8"	1-25/64"	1-1/16"	●			
GROOVE X GROOVE											
1-1/4"		5-1/4"	3-11/16"	2-11/16"	1-3/32"	1-23/64"	2-3/8"	●			
2"		6-13/16"	4-11/32"	4"	1-5/8"	1-37/64"	3-11/32"	●			
GROOVE X FEMALE											
1-1/4"		5-1/4"	3-5/16"	2-11/16"	1-3/32"	1-23/64"	2-12/32"	●			
2"		6-13/16"	3-55/64"	4"	1-5/8"	1-3/4"	3-11/32"	●			

SIZE	ORIFICE	K FACTOR
1-1/4"	3/8"	2.8
	7/16"	4.2
	1/2"	5.6
	17/32"	8.0
	5/8"	11.2*
	3/4"	14.0*
2"	7/16"	4.2
	1/2"	5.6
	17/32"	8.0
	5/8"	11.2
	3/4"	14.0
	15/16"	16.8
	1-5/64"	22.4
1-9/64"	25.2	

* Not UL listed



A62K**300 PSI**
RATED PRESSURE**TEST AND DRAIN VALVE**

A62K is the combination of A62.
Test & drain valve with a UL listed. Pressure relief valve.
The kit includes a plastic pipe to connect the discharge
of the relief valve to drain.

SIZE	CERTIFICATIONS	DIMENSIONS						FINISHING			
		A	B	C	D	E	F	BRASS	POLISHED	CHROME	POLISHED CHROME
FEMALE X FEMALE											
1-1/4"		4-5/8"	3-5/16"	2-11/16"	3-25/32"	3-5/16"	1-31/32"	●			
2"		5-1/2"	4"	6-13/16"	5-5/8"	3-27/32"	2-5/8"	●			
GROOVE X GROOVE											
1-1/4"		5-1/32"	3-11/16"	5-1/4"	3-25/32"	3-11/16"	2-3/8"	●			
2"		6-7/32"	4"	6-13/16"	5-5/8"	4-1/8"	3-3/8"	●			
GROOVE X FEMALE											
1-1/4"		5-1/32"	2-11/16"	5-1/4"	3-25/32"	1-23/64"	2-3/8"	●			
2"		6-3/8"	4"	6-13/16"	5-5/8"	1-3/4"	3-11/32"	●			

SIZE	ORIFICE	K FACTOR
1-1/4"	3/8"	2.8
	7/16"	4.2
	1/2"	5.6
	17/32"	8.0
	5/8"	11.2*
	3/4"	14.0*
2"	7/16"	4.2
	1/2"	5.6
	17/32"	8.0
	5/8"	11.2
	3/4"	14.0
	15/16"	16.8
	1-5/64"	22.4
1-9/64"	25.2	

* Not UL listed

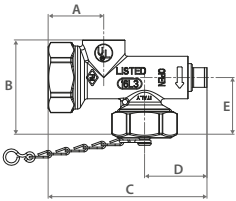


A59

175 PSI
RATED PRESSURE

LINE-TESTER

Brass unit used on the end off branch lines to flush system.
Fits 1/2" sprinkler head.



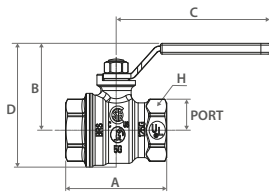
SIZE	CERTIFICATIONS	DIMENSIONS					FINISHING			
		A	B	C	D	E	BRASS	POLISHED	CHROME	POLISHED CHROME
1" x 1" x 1/2"		1 11/32"	2 3/16"	4"	1 1/2"	1 9/32"	●			

R910

400/600 PSI
RATED PRESSURE

FULL PORT BALL VALVE

Full port isolation ball valves for Fire Protection System



FEMALE X FEMALE

① STANDARD EQUIPMENT:

Female NPT inlet and outlet, forged brass body, chrome plated ball with PTFE seats.

SIZE	CERTIFICATIONS	DIMENSIONS						FINISHING			
		PORT	A	B	C	D	H	BRASS	POLISHED	CHROME	POLISHED CHROME
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"	●		●	
	175 PSI										
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"	●		●	



CHAPTER 6

Wide range of adapters and accessories to complete and improve the Fire Protection range of products.

ACCESSORIES AND ADAPTERS

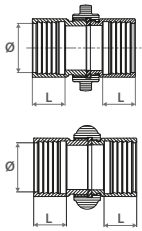
- 6.1 CABINET ACCESSORIES
- 6.2 FIRE DEPARTMENT CONNECTION ACCESSORIES
- 6.3 ADAPTERS
- 6.4 OTHERS



6.1 CABINET ACCESSORIES

A70

250/400 PSI
RATED PRESSURE



DOUBLE LUG BRASS COUPLING



PIN LUG

Coupling for use with synthetic linen, single or double jacket hose.

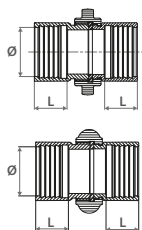
① **STANDARD EQUIPMENT:**

Forged brass finish, 1-1/2" or 2-1/2" sizes, with one swivels gasket.

⚠ Expansion ring not supplied.

Coupling Jacket: **S** Single Jacket
D Double Jacket
L Synthetic Linen

TYPE	CERTIFICATIONS					FINISHING			
		Length	Thread	Øi	Jacket	BRASS	POLISHED	CHROME	POLISHED CHROME
PIN LUG TYPE									
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	●		●	●
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	●		●	●
D2D		38,8	2-1/2" NYFD	2-13/16"	S	●		●	●
M1		45,2	2-1/2" NST	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**250/400 PSI**
RATED PRESSURE**DOUBLE LUG BRASS COUPLING**

ROCKER LUG


Coupling for use with synthetic linen, single or double jacket hose.

① STANDARD EQUIPMENT:

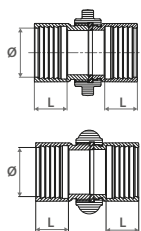
Forged brass finish, 1-1/2" or 2-1/2" sizes, with one swivels gasket.

⚠ Expansion ring not supplied.

Coupling Jacket: **S** Single Jacket
D Double Jacket
L Synthetic Linen

TYPE	CERTIFICATIONS					FINISHING				
		Lenght	Thread	Øi	Jacket	BRASS	POLISHED	CHROME	POLISHED CHROME	
ROCKER LUG TYPE										
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	●		●	●	
00		38,2	1-1/2" NPSH	1-3/4"	D	●		●	●	
E1		38,8	2-1/2" NST	2-13/16"	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" NST	2-3/4"	S	●		●	●	
N1		45,2	2-1/2" NST	3"	D	●		●	●	
B3	45,2	2-1/2" CSA	3"	D	●		●	●		
G3	45,2	2-1/2" OST	3"	D	●		●	●		



A70**300 PSI**
RATED PRESSURE**SINGLE LUG BRASS COUPLING**

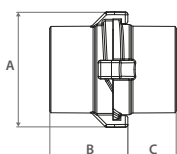
Coupling for use with linen or single jacket hose.

① **STANDARD EQUIPMENT:**Forged brass finish, 1-1/2" size,
with one swivels gasket.

⚠ Expansion ring not supplied.

Coupling Jacket: **S** Single Jacket
D Double Jacket
L Synthetic Linen

TYPE	CERTIFICATIONS					FINISHING			
		Lenght	Thread	Ø	Jacket	BRASS	POLISHED	CHROME	POLISHED CHROME
PIN LUG TYPE									
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	●			
C		28,5	1-1/2" NST	1-3/4"	S	●			
ROCKER LUG TYPE									
G		28,5	1-1/2" NST	1-11/16"	L	●		●	
I		28,5	1-1/2" NPSH	1-11/16"	L	●		●	●

A71**175 PSI**
RATED PRESSURE**FORESTRY COUPLING**Forged brass quick connect coupling for forestry fire
hose.

⚠ Expansion ring not supplied.

SIZE	CERTIFICATIONS	DIMENSIONS			FINISHING			
		A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"		2-49/64"	1-13/16"	1-9/32"	●			

A65

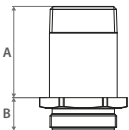
300 PSI
RATED PRESSURE

HOSE RACK MOUNTING NIPPLE

Used to support hose rack from valve and adapt pipe thread to hose thread.

① STANDARD EQUIPMENT:

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



⇒ RELATED PRODUCTS



A55E p. 18



A155 p. 26



A80 p. 62

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A	B	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2" x 1-1/2"		2-9/16"	59/64"	●		●	
2-1/2" x 2-1/2"		3-7/64"	1-11/32"	●		●	

A81

400 PSI
RATED PRESSURE

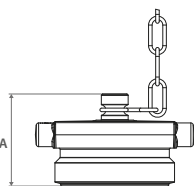
PLUG AND CHAIN

For Fire Dept. inlet connections. Prevents deposit of foreign material and protects female threads.

① STANDARD EQUIPMENT:

Forged brass plug with male hose thread.

Available with pin or rocker lugs.



♂ MALE

SIZE	CERTIFICATIONS	DIMENSIONS	FINISHING			
		A	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"		1-35/64"	●			
2-1/2"		2-7/32"	●	●	●	●
3"		2-3/8"	●			



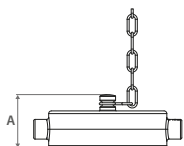
A80**300 PSI**
RATED PRESSURE**CAP AND CHAIN**

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

① STANDARD EQUIPMENT:

Forged brass.

Available with pin or rocker lugs.



FEMALE

SIZE	CERTIFICATIONS	DIMENSIONS A	FINISHING			
			BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"		1-15/64"	●		●	
2-1/2"		1-35/64"	●		●	●
3"		1-23/32"	●			

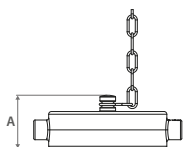
A80P**100 PSI**
RATED PRESSURE**PLASTIC CAP AND CHAIN**

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

① STANDARD EQUIPMENT:

ABS - supplied with gasket.

Available with rocker lugs.



FEMALE

SIZE	CERTIFICATIONS	DIMENSIONS A	FINISHING			
			BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"		1-15/64"				
2-1/2"		1-35/64"				



6.2 FIRE DEPARTMENT CONNECTION ACCESSORIES

A90

300 PSI
RATED PRESSURE

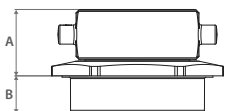
FEMALE OPEN SNOOT

Used to connect fire hose standpipe or sprinkler system.

① STANDARD EQUIPMENT:

Polish brass with female (swivel) hose inlet x female NPT outlet. Swivel supplied with pin or rocker lugs.

⇒ RELATED PRODUCTS



FEMALE (SWIVEL) X FEMALE NPT



A101 p. 35



A102 p. 36



A81 p. 61



A103 p. 65

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A	B	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2" X 2-1/2"		1-7/8"	13/16"		●		●
2-1/2" X 3"		2-1/64"	1-1/32"	●	●		●

A91

300 PSI
RATED PRESSURE

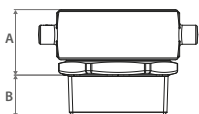
MALE OPEN SNOOT

Used to connect fire hose standpipe or sprinkler system.

① STANDARD EQUIPMENT:

Forged brass with female (swivel) hose inlet x male NPT outlet. Swivel supplied with pin or rocker lugs.

⇒ RELATED PRODUCTS



FEMALE (SWIVEL) X MALE NPT



A101 p. 35



A102 p. 36



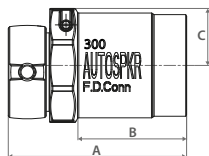
A81 p. 61



A103 p. 65

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A	B	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2" X 1-1/2"		8-5/8"	13/16"	●	●		
2-1/2" X 2"		10-57/64"	51/64"	●			
2-1/2" X 2-1/2"		10-57/64"	1-15/64"	●	●		●
2-1/2" X 3"		10-31/32"	1-13/64"	●	●	●	●



A90C**300 PSI**
RATED PRESSURE**FEMALE CHECK SNOOT (CLAPPER TYPE)**

FEMALE (SWIVEL) X FEMALE NPT

Used to connect fire hose or multiple Fire Dept. connections.
Acts as a check against an excess backflow of water.

① STANDARD EQUIPMENT:

Cast brass with female (swivel) hose inlet x female NPT outlet and checking device.
Swivel supplied with pin or rocker lugs.



⇒ RELATED PRODUCTS

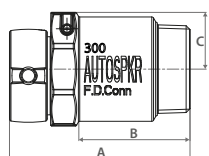


A111 p. 39



A114 p. 42

SIZE	CERTIFICATIONS	DIMENSIONS			FINISHING			
		A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2" x 3"	  300 PSI	6-57/64"	4-11/64"	2-21/64"		●		●

A91C**300 PSI**
RATED PRESSURE**MALE CHECK SNOOT (CLAPPER TYPE)**

FEMALE (SWIVEL) X MALE NPT

Used to connect fire hose or multiple Fire Dept. connections.
Acts as a check against an excess backflow of water.

① STANDARD EQUIPMENT:

Cast brass with female (swivel) hose inlet x male NPT outlet and checking device.
Swivel supplied with pin or rocker lugs.



⇒ RELATED PRODUCTS



A111 p. 39



A114 p. 42

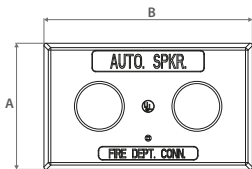
SIZE	CERTIFICATIONS	DIMENSIONS			FINISHING			
		A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2" x 3"	  300 PSI	7-3/32"	4-9/32"	2-21/64"		●		●



A103

POLISHED PLATE

Suitable to A101 - A102 - Size 4"x2 1/2".



① STANDARD EQUIPMENT:

Cold forged brass two-way inlet body with double drop clappers.

⇒ RELATED PRODUCTS



A101 p. 35



A102 p. 36



A90 p. 63



A91 p. 63

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING				BRANDING
		A	B	BRASS	POLISHED	CHROME	POLISHED CHROME	
		9-3/32"	15-3/64"		●		●	

A140G

250 PSI
RATED PRESSURE

SWING CHECK VALVE

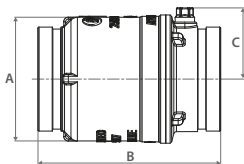
Used to allow flow in designated direction only and to prevent backflow.

Available with the following threads:

4" NPT Male inlet x Groove outlet;

4" NPT Male inlet x NPT Female outlet;

4" Groove inlet and outlet.





♀ FEMALE

⇒ RELATED PRODUCTS



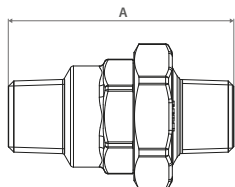
A58 p. 66

SIZE	CERTIFICATIONS	DIMENSIONS			FINISHING			
		A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME
4" x 4"	 	5-23/64"	7-29/32"	3"	●			



A58**300 PSI**
RATED PRESSURE**AUTOMATIC BALL DRIP**

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



MALE X MALE

① STANDARD EQUIPMENT:

Forged brass, straight, connection male NPT both sides.

⇒ RELATED PRODUCTS



A102 p. 36



A111 p. 39



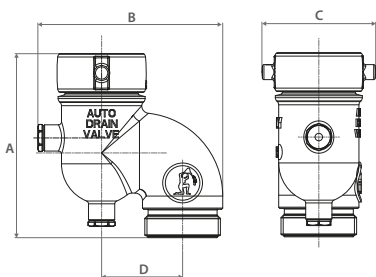
A114 p. 42

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A		BRASS	POLISHED	CHROME	POLISHED CHROME
1/2"		2-11/16"		●			
3/4"		2-11/16"		●			

A91AD**300 PSI**
RATED PRESSURE**AUTOMATIC DRAIN VALVE**

Used to prevent water damage due to valve leakage standard equip.

Cast brass female pin lug swivel hose threaded valve with ball seal, activated at 3 psi.



NST THREADS

⇒ RELATED PRODUCTS



A58 p. 66



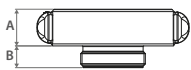
A56E p. 18

SIZE	CERTIFICATIONS	DIMENSIONS				FINISHING			
		A	B	C	D	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"		4-53/64"	4-55/64"	2-61/64"	2-1/8"	●			

6.3 ADAPTERS

A75

300 PSI
RATED PRESSURE



FEMALE TO MALE REDUCER



Used to reduce or change Fire Hose threads.

① STANDARD EQUIPMENT:

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

⇒ RELATED PRODUCTS



A202 p. 28



A204 p. 29



A56E p. 18

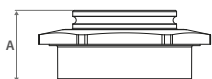


A156 p. 26

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A	B	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2" x 3/4"		1-1/16"	49/64"	●			
2-1/2" x 1-1/2"		1-1/16"	5/8"	●	●	●	●

A83

300 PSI
RATED PRESSURE



FEMALE OPEN SNOOT BASE



To be used on any thread swivel A89

① STANDARD EQUIPMENT:

Polished brass with female NPT x swivel connection.

⇒ RELATED PRODUCTS

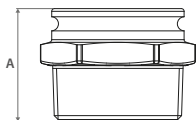


A89 p. 68

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A		BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2" x 2-1/2"		1-3/4"		●	●		●
2-1/2" x 3"		2-5/64"			●		

A87

300 PSI
RATED PRESSURE



MALE OPEN SNOOT BASE



To be used on any thread swivel A89

① STANDARD EQUIPMENT:

Forged brass male NPT x swivel connection.

⇒ RELATED PRODUCTS



A89 p. 68

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A		BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2" x 2"		1-25/32"		●			
2-1/2" x 2-1/2"		2-5/32"		●			
2-1/2" x 3"		2-7/32"		●			



A88**300 PSI**
RATED PRESSURE**FEMALE TO MALE ADAPTER**

To convert 2 1/2" NPT female thread to male hose thread.

⇒ RELATED PRODUCTS



A55E p. 18

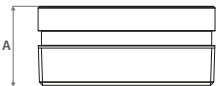


A155 p. 26



A80 p. 62

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A		BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2" x 2-1/2"		1-29/64"		●			
2-1/2" x 3"		1-31/32"		●			

A88G**400 PSI**
RATED PRESSURE**MALE TO GROOVE ADAPTER**

To convert NPT female thread to Groove thread.

⇒ RELATED PRODUCTS



A201 p. 28



A95 p. 34

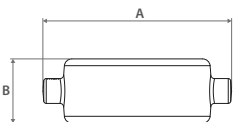


A105 p. 37



A101 p. 35

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A		BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2" x 2-1/2"		2-3/64"		●			
4" x 4"		2-3/64"		●			

A89**300 PSI**
RATED PRESSURE**SWIVEL**

Polished brass, available with pin or rocker lugs.

△ Locking screw included.

⇒ RELATED PRODUCTS



A83 p. 67



A87 p. 67



A95 p. 34

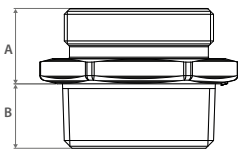


A105 p. 37

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A	B	BRASS	POLISHED	CHROME	POLISHED CHROME
2-1/2"		4-1/2"	1-29/64"	●	●	●	●
3"		5-15/64"	1-1/2"	●	●		

A92

300 PSI
RATED PRESSURE



MALE TO MALE ADAPTER



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

① STANDARD EQUIPMENT:

Brass hexagon type.

⇒ RELATED PRODUCTS



A55E p. 18



A155 p. 26

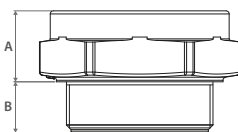


A80 p. 62

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A	B	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2" x 1-1/2"		61/64"	13/16"	●			
2-1/2" x 2"		1-7/16"	13/16"	●			
2-1/2" x 2-1/2"		1-7/16"	1-15/64"	●		●	

A93

300 PSI
RATED PRESSURE



FEMALE TO MALE ADAPTER



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

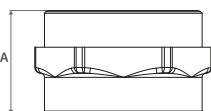
① STANDARD EQUIPMENT:

Brass hexagon type.

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A	B	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2" x 1-1/2"		51/64"	39/64"	●		●	
2-1/2" x 2"		1-3/64"	53/64"	●			
2-1/2" x 2-1/2"		1-9/64"	1"	●		●	

A94

400 PSI
RATED PRESSURE



FEMALE TO FEMALE ADAPTER



For thread conversion.

① STANDARD EQUIPMENT:

Brass hexagon type.

SIZE	CERTIFICATIONS	DIMENSIONS		FINISHING			
		A		BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2" x 1-1/2"		1-27/64"		●			
1-1/2" x 1-1/2"		2-3/64"		●	●	●	●
1-1/2" NPT x 2" NPT				●			



A104**300 PSI**
RATED PRESSURE**BUSHING**

To change 6" to 8" or 4" to 6" NPT threads.

① STANDARD EQUIPMENT:

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

⇒ RELATED PRODUCTS



A97 p. 44



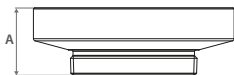
A111 p. 39



A114 p. 42



A101 p. 35



SIZE	CERTIFICATIONS	DIMENSIONS			FINISHING			
		A	BRASS	POLISHED	CHROME	POLISHED CHROME		
6" x 4"		2-25/64"	●					
8" x 6"		3-5/32"	●					

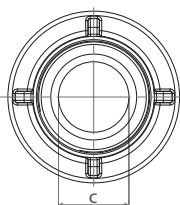
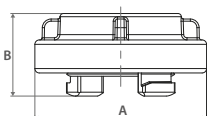
A90S**300 PSI**
RATED PRESSURE**STORZ ADAPTER**

To adapt connection from F NST to Storz.

① STANDARD EQUIPMENT:

Aluminum body

Plugs to be ordered separately.



MALE X STORZ

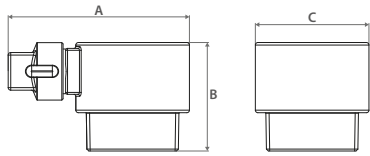


A81S

SIZE	CERTIFICATIONS	DIMENSIONS			FINISHING			
		A	B	C	BRASS	POLISHED	CHROME	ALUMINUM
1"1/2		3-1/16"	1-15/32"	1-1/4"				●
2"1/2		4-21/32"	2-5/32"	2-9/32"				●

A91BS

300 PSI
RATED PRESSURE



NPT X BS-IT



A81BS

To adapt connection from F NPT to BS-336.

① STANDARD EQUIPMENT:

Brass body

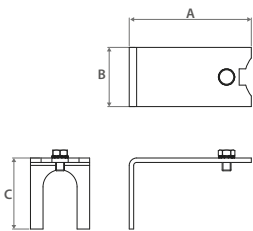
Plugs to be ordered separately.

SIZE	CERTIFICATIONS	DIMENSIONS			FINISHING			
		A	B	C	BRASS	POLISHED	CHROME	POLISHED CHROME
1-1/2"		5-19/32"	3-7/16"	3-1/2"	●			
2-1/2"		5-19/32"	3-11/32"	3-1/2"	●			

6.4 OTHERS

A170

MONITOR SWITCH ADAPTER



To be installed on pressure reducing valves A201 - A202 - A203 - A204 to connect the supervisory switch.

⇒ RELATED PRODUCTS



A201 p. 28



A202 p. 28



A203 p. 29



A204 p. 29

SIZE	CERTIFICATIONS	DIMENSIONS			FINISHING			
		A	B	C	STEEL	POLISHED	CHROME	POLISHED CHROME
2" X 1/2"		5-23/64"	7-29/32"	3"	●		●	●



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A53G	pag. 23	A90	pag. 63	A123	pag. 41
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