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FIRE PROTECTION CATALOG

HEAD QUARTER

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VVN OEM PRODUCTS



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FIRE PROTECTION



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VINA VALVES

VINA VALVES JOINT STOCK COMPANY

Founder, Chairman
NGUYEN DAO VINH



MISSION STATEMENT

VVN advocates for continuous improvement to ensure that products achieve the highest quality standards while still remaining cost-effective.

UL-ULc/FM/ISO

VVN's Factory works with strict discipline, committed to producing products with astonishing precision. Therefore, VVN's product can achieve the most rigorous certifications standards in the industry.

\$ 12.2 Million

Turn over 2022

\$ 4 Million

Company Capital

6000 m2

Factory area

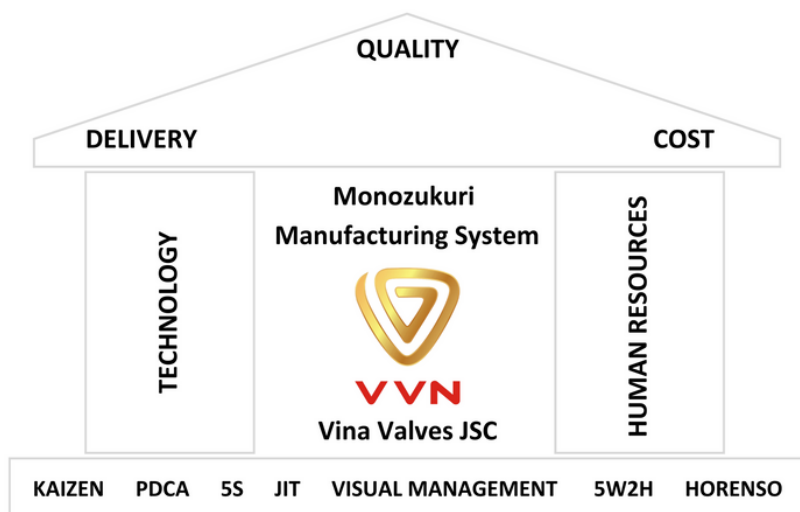
200++

Number of Machines

120++

Number of Employees

PHILOSOPHY



The philosophy of Vina Valves, Tam Tu:
Encompassing the principles of self-governance, self-sufficiency, and self-strengthening.

Van Vina prioritizes the empowerment and development of its people, providing them with a conducive environment to constantly enhance their Self-reliance and Self-respect. This fosters their ability to contribute effectively to the economic development of the country, while also playing a pivotal role in building a Self-governing, Self-reliant, and Self-sustaining Vietnam.



Self-sustaining contributes to Vietnam's Sustainable Development.

Self-reliance of Vietnam's Mechanical Industry

Self-governing empowers Independence and Responsibility.

Products Certificated Standards

Vina Valves has achieved both UL/ULC certifications and FM Approval, conquering the most demanding markets in the industry, which are the United States (USA) and Canada. We are dedicated to ensuring that our products meet the highest standards in the industry, and we strive to continually improve our processes and products to meet and exceed our customers' expectations.



DURABILITY CERTIFICATED BY US 129-YEAR-OLD TESTING CENTER



UL (Underwriters Laboratories) is a global safety consulting and certification company based in the United States that provides testing, inspection, auditing, and certification services for a wide range of products, systems, and processes.

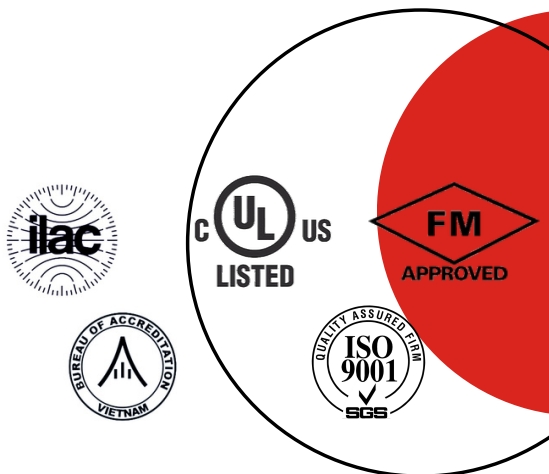
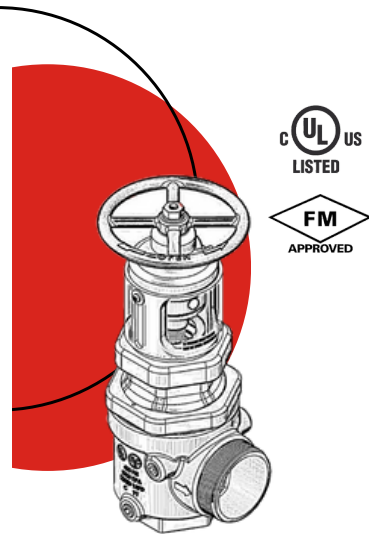


FM Approval is granted to products and services that meet the rigorous standards set by FM Global for property loss prevention, including fire protection, electrical systems, building materials, and industrial equipment.

CORE COMPETENCY

Vina Valves is the first OEM/ODM producer in the world that has successfully produced Brass Field Adjustable Pressure Reducing Straight Line Valve with Hot Forging technology

Research & Development



Certified Quality

Vina Valves has achieved rigorous certifications, conquering the most demanding markets in the industry, which are the United States and Canada.

Monozukuri

Monozukuri Manufacturing techniques has been a cornerstone of Japanese manufacturing and has contributed to the country's reputation for producing high-quality products.





THE SPIRIT OF JAPAN'S MANUFACTURING

Japan is renowned for its spirit of dedication and craftsmanship to producing high-quality, high-precision products. This spirit is deeply rooted in Japanese culture and is reflected in their approach to manufacturing. Japanese companies prioritize attention to detail, continuous improvement, and a commitment to excellence in their products.

This mindset is ingrained in Japanese's management philosophy, where national interests, people ethnicity, and the pursuit of Quality - Cost - Delivery - Safety - Environment are considered key values.



VVN: EMBRACING JAPANESE MANUFACTURING EXCELLENCE

Vina Valves Jsc., influenced by JICA, has adopted Japanese manufacturing system techniques to ensure the quality of its products. The founders of Vina Valves have imbibed the Japanese entrepreneurial spirit and management philosophy. This includes principles such as:

- **QCDSE (Quality - Cost - Delivery - Safety - Environment)**

- **Kaizen, JIT - Just in time**

- **5S, 5W2H, PDCA, Horenso**

which are all part of the Toyota Production System (TPS) - a renowned Japanese manufacturing system.

By incorporating these techniques, Vina Valves strives to create Japanese-quality products, and establish a strong export to Global market, aligning with their vision of building a "Proud Vietnam Valves" brand.



QUALITY CONTROL

We maintain a consistent level of product quality throughout our production process, starting from the selection of input materials to the delivery of the final output.



ISO/IEC-17025
Lab for IQC



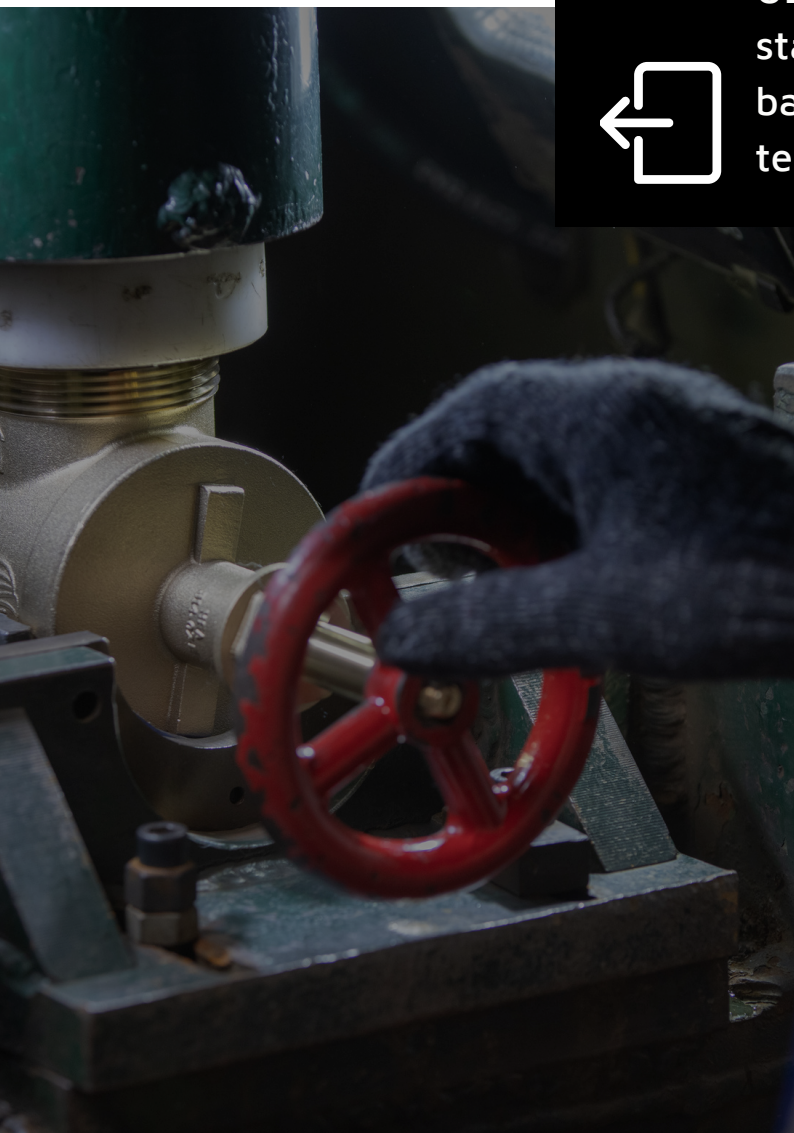
UL/FM
standard-
based OQC
testing.

IQC ISO/IEC-17025 Lab

With our ISO/IEC 17025 certified laboratory, Villas 998, we ensure that all materials used in the production of your products meet your specific requirements for quality control.

By utilizing UL standards compliant pressure testing equipment, VVN guarantees that all our products meet the rigorous qualification requirements of UL with a 100% success rate, reflecting our commitment to quality.

OQC UL/FM Standard
based - Testing



INNOVATION: From Casting to Hot Forging

INNOVATION. QUALITY. EFFICIENCY

Designing

We offer both **OEM manufacturing** based on customer-provided technical drawings and the flexibility to **redesign** products according to the customer's functional requirements.

Hot Forging

At VVN, our industry-leading hot forging technology allows us to achieve significant **cost reduction** manufacturing while delivering products of **superior quality** compared to traditional casting methods.

Machining

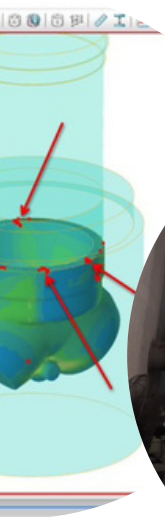
Our universal CNC machines enable us to manufacture **high precision** products up to 6 inches in size that meet our customers' exact specifications.

Assembly

At VVN, our automatic assembly line guarantees that our partners' **Quality and Delivery standard** are meticulously met.

Testing

At VVN, our specialized pressure testing system adheres to UL standards, ensuring that all of our products are qualified and meet **UL requirements 100%**.



HIGH-POLISHED PLATING TECHNOLOGY

Exemplifying the Sophistication



CHROME-PLATED BRASS TECHNOLOGY

Representing the pinnacle of Excellence



TOP-tier Businesses Community



WHAT IS KEIEIJUKU

Keieijuku is a government-sponsored program between Vietnam and Japan, overseen by JICA (Japan International Cooperation Agency), that provides specialized training to selected companies by Panasonic experts in the implementation of a Japanese-style Monozukuri production management system. The Keieijuku Vietnam, boasts over 650 members nationwide with a workforce of over 60,000 employees and an annual revenue exceeding USD 4 billion. The Keieijuku Vietnam community dedicated to serving society and the community through charitable initiatives and promoting business growth and development through regular networking events.

MONOZUKURI TECHNIQUES

QCDSE framework:

Quality - Cost - Delivery -
Safety - Environment

The Monozukuri

Management Principles:

- Kaizen (Innovation)
- JIT - Just in time
- 5S, 5W2H method
- Visual management
- PDCA, Kanban, Horenso

VVN WITH KEIEIJUKU

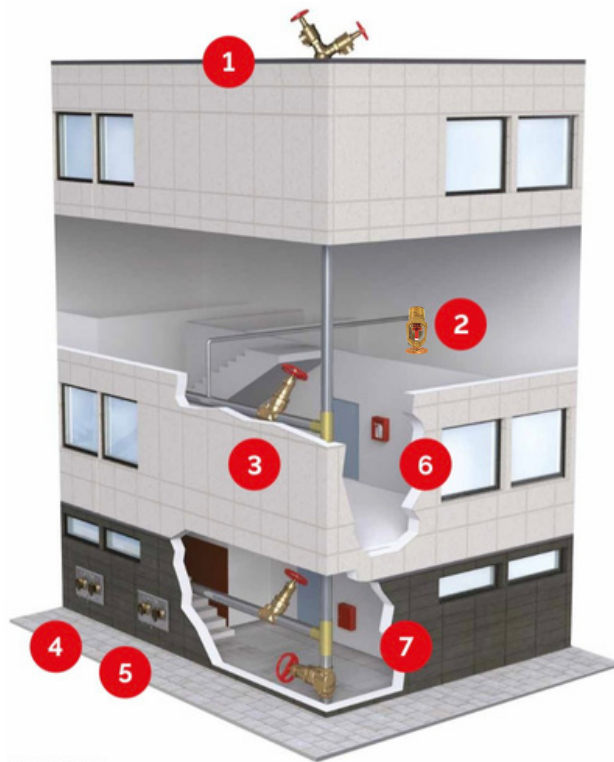
As the chairman of Vina Valves JSC, Mr. Nguyen Dao Vinh brings his extensive expertise in the metal manufacturing industry to the Keieijuku community, where he serves as a leader on the executive board and vice president, driving innovation and growth for the community.



FIRE **PROTECTION**







1



Model ESBFDC
Exposed Straight Body Fire
Department Connection



Model 2.5" AHV
2.5" Standard Angle
Hose Valve



Model C&C
Cap and Chain

2



Pendent
Sprinkler

4



Model REP
Rectangular
Escutcheon Plate



Model SCS
Straight Conceal Siamese



Model SS
Snoot and Swivel



Model P&C
Plug and Chain

5



Model EIRF
End Inlet Roof Manifold



Model CS
Check Snoot

3



Model FAPRSV
Field Adjustable, Pressure
Reducing Inline Valve

6



Model PRAV 2.5"
2.5" Pressure
Restricting Angle Valve



Model RN
Rack Nipple



Model BR
Brass Reducer



Model SS
Double Swivel



Model FN
Fog Nozzle

7



Model FAPRAV
Field Adjustable, Pressure
Reducing Angle Valve



Model BR
Brass Reducer



Model SS
Double Swivel



Model FN
Fog Nozzle

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ANGLE & HYDRANT VALVE

- 1. Hydrant Gate Valve
- 2. / 1.5" Standard Angle Hose Valve
- 3. / 2.5" Standard Angle Hose Valve





GATE VALVE



OEM-HGV-FSM



OEM-HGV-FM

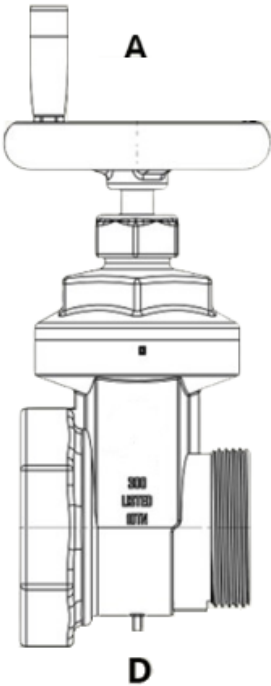


OEM-HGV-FSM



OEM-HGV-FM

300 lbs
Pressure Tested



FUNCTION:

Gate valves are used primarily to protect fire hydrants from damage that can occur if they are used for throttling.

FP HGV is particularly used when space limitations or appearance preclude a permanent - type installation.

Model HGV
Hydrant Gate Valve

Size	Certification	Thread	Type	Finishing
2-1/2" 3"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB / X / W / NPT	Female x Male Female swivel x Male 3" Female x 2,5" Male	Brass Chrome plated Swivels

HOSE VALVE

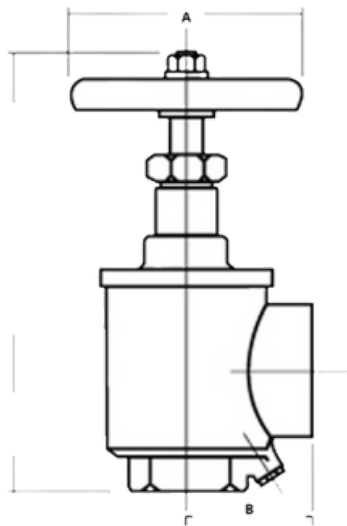


OEM-AHV1.5-FM



OEM-AHV1.5-FM

Model AHV1.5
1.5" Standard Angle Hose Valve



300 lbs
Pressure Tested

① FUNCTION:

The valve is used with a fire hose rack assembly or as a fire department outlet connection.

Related Products



Model ESBFDC



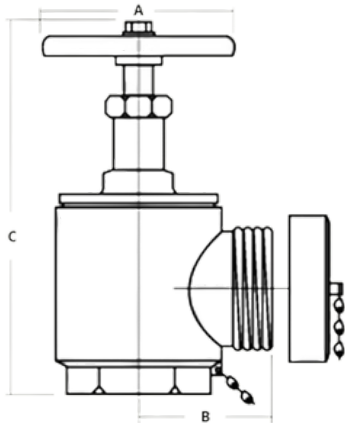
Model C&C

UL/ULC listed and FM approved, forged brass, standard angle hose valve.

Size	Certification	Thread	Type	Finishing
1-1/2"		O / P / Q / S / NPT	Female x Female Male x Female	Brass Polished brass Chrome Polished chrome

HOSE VALVE

300 lbs
Pressure Tested



Model AHV2.5

i FUNCTION:

The valve is used with a fire hose rack assembly or as a fire department outlet connection.

UL/ULC listed and FM approved, forged brass, standard angle hose valve.



OEM-AHV2.5-FM



OEM-AHV2.5-GM



OEM-AHV2.5-GM



OEM-AHV2.5-FM

Related Products



Model C&C



Model ESBFDC

Model AHV2.5
2.5" Standard Angle Hose Valve

Size	Certification	Thread	Type	Finishing
2-1/2"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB	Female x Female Male x Female Male x Groove	Brass Polished brass Chrome Polished chrome

CHAMP DIER 02

PRESSURE RESTRICTING VALVE

- 1./ 1.5" Pressure Restricting Angle Valve
- 2./ 2.5" Pressure Restricting Angle Valve

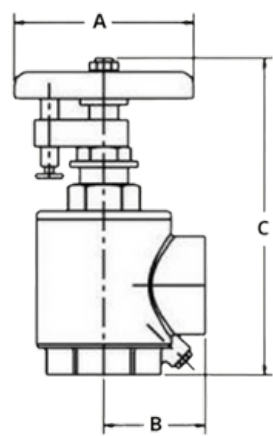


RESTRICTING



OEM-PRAV1.5-FM

90< p <175 psi
Inlet pressure



Model PRAV1.5
1.5" Pressure Restricting •
Angle Valve

- ① FUNCTION:
- The valve is used with a fire hose rack assembly, water pressure is controlled by adjustable flow restriction.
- UL/ULC listed & FM approved
 - 300lbs (2068kpa) pressure tested.
 - Forged brass

Size	Certification	Thread	Type	Finishing
1-1/2"		O / P / Q / S / NPT	Female x Female Male x Female	Brass Polished brass Chrome Polished chrome



Model RN

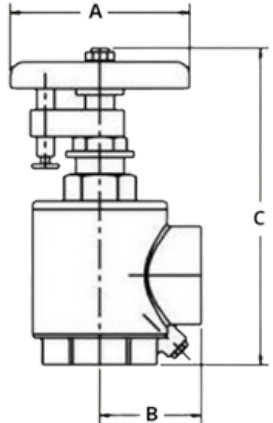


Model BR

Related Products

OEM-PRAV2.5-FM

100< p <175 psi
Inlet pressure



Model PRAV2.5
2.5" Pressure Restricting •
Angle Valve

- ① FUNCTION:
- The valve is used with a fire hose rack assembly, water pressure is controlled by adjustable flow restriction.
- UL/ULC listed & FM approved
 - 300lbs (2068kpa) pressure tested.
 - Forged brass

Size	Certification	Thread	Type	Finishing
2-1/2"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB	Female x Female Male x Female Male x Groove	Brass Polished brass Chrome Polished chrome



Model SS



Model FN

C H R P J E R R3

PRESSURE REDUCING VALVE

- 1.Factory Set, Pressure Reducing Angle Valve
- 2.Field Adjustable, Pressure Reducing Angle Valve
- 3.Field Adjustable, Pressure Reducing Inline Valve





FACTORY SET



OEM-FSPRAV-FM



OEM-FSPRAV-GM

Model FSPRAV

Factory Set • Pressure Reducing • Angle Valve

400 psi
Inlet pressure

500 GPM
Inlet flow

FUNCTION:

The valve is used as a zone control valve for inline application to regulate sprinkler, standpipe and combined fire protection systems.

UL/ULc listed, forged brass construction.

Eight different bonet sizes to choose from, each one offering different reduction properties.



Model BR



Model SS



Model FN

Related Products

Size	Certification	Thread	Type	Finishing
2-1/2"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB	Male x Male Grooved x Grooved Female x Male Grooved x Male	Brass Chrome Tamper switch

FIELD ADJUSTABLE



OEM-FAPRAV-GF



OEM-FAPRAV-FM



OEM-FAPRAV-GM

Model FAPRAV

Field Adjustable • Pressure Reducing • Angle Valve



Model BR

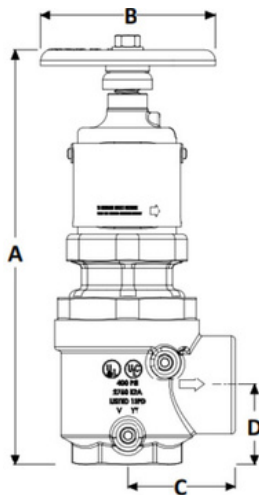


Model SS



Model FN

Related Products



UL/ULC listed, forged brass construction.
Seven different spring settings to set the valve.

400 psi
Inlet pressure

500 GPM
Inlet flow

① FUNCTION:

The valve is used as a zone control valve for inline application to regulate sprinkler, standpipe and combined fire protection systems.

Size	Certification	Thread	Type	Finishing
2-1/2"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB / NPT	Female x Female Grooved x Grooved Male x Female Male x Groove	Brass Chrome Tamper switch

FIELD ADJUSTABLE



OEM-FAPRAV-FF



OEM-FAPRAV-GG

Model FAPRAV

Field Adjustable • Pressure Reducing • Inline Valve



Model BR

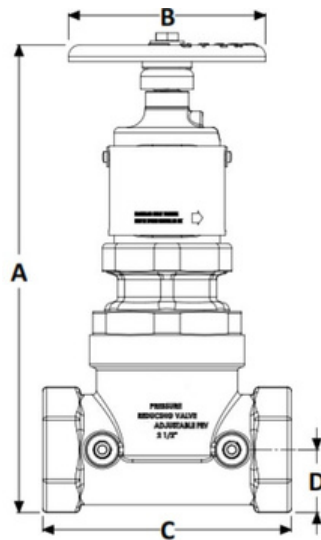


Model SS



Model FN

Related Products



UL/ULC listed, forged brass construction.
Seven different spring settings to set the valve.

400 psi
Inlet pressure

500 GPM
Inlet flow

① FUNCTION:

The valve is used as a zone control valve for inline application to regulate sprinkler, standpipe and combined fire protection systems.

Size	Certification	Thread	Type	Finishing
2-1/2"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB	Female x Female Grooved x Grooved	Brass Chrome Tamper switch

CHAMP DIER 04

FIRE PROTECTION ACCESSORIES

1. Fire Department Connection
2. Brass Escutcheon Plate
3. Brass Cap and Chain



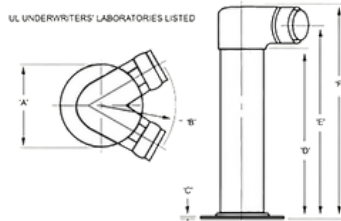


FIRE PROTECTION ACCESSORIES



OEM-EABFDC-SS

500 GPM
Rated pressure



FUNCTION:

The swing clapper provides unobstructed waterway & the exposed design is an economical method of satisfying fire department inlet requirements. Specify regional hose thread for outlet.

Model EABFDC

Exposed Angle Body • Fire Department Connection

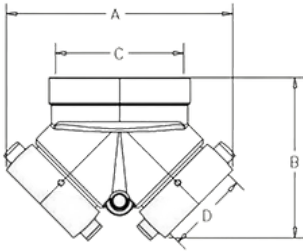
Size	Certification	Thread	Type	Finishing
2,5" x 2,5" x 4"		A/B/C/D/E/F/G/H/I/J/K/L/M/N/Y/AA/BB/NPT		Brass Polished brass Chrome plated

OEM-ESBFDC-SS

500 GPM
Rated pressure

FUNCTION:

The swing clapper provides unobstructed waterway. The exposed design is an economical method of satisfying fire department inlet requirements. Specify regional hose thread for outlet.



Model ESBFDC

Exposed Straight Body • Fire Department Connection

Size	Certification	Thread	Type	Finishing
2,5" x 2,5" x 4"		A/B/C/D/E/F/G/H/I/J/K/L/M/N/Y/AA/BB/NPT		Brass Polished brass Chrome plated

Related Products



Model 2.5" AHV



Model C&C



OEM-EP-F

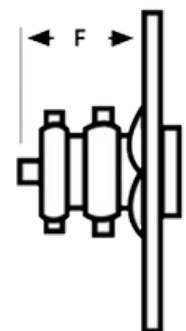
500 GPM
Rated pressure

① FUNCTION:

A brass single inlet connection for residential systems to supplement the fire protection water supply. Connection is equipped with a cast brass escutcheon plate and chain with pin/rocker lugs.



Model EP
Brass Escutcheon Plate



Size	Certification	Thread	Type	Finishing
2,5"		A/B/C/D/E/F/G/H/I /J/K/L/M/N/Y/AA/ BB/X/W/NST/NPT	Female	Brass Chrome plated

CAP & CHAIN



OEM-CC-CP



OEM-CC-CP



OEM-CC-CP



OEM-CC-B



OEM-CC-RP

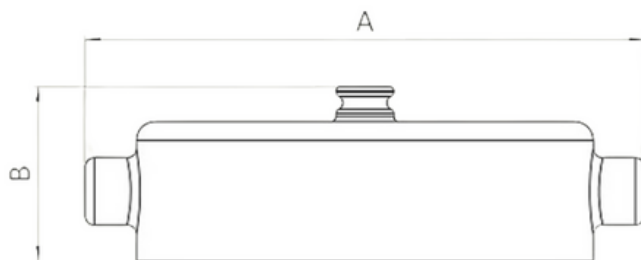


Model ESBFDC



Model C&C

Related Products



Model C&C
Brass Cap and Chain

① FUNCTION:

Model C&C is a forged brass cap and chain for protection of threads used on fire department inlet connection. Also, prevents entry of foreign material. Specify regional hose thread

Size	Certification	Thread	Type	Finishing
2,5"/3"		A/B/C/D/E/F/G/H/I /J/K/L/M/N/Y/AA/ BB/X/W/NST/NYFD		Brass Polished brass Chrome plated Red paint

PLUG & CHAIN



OEM-P&C-PB



OEM-P&C-CP



Model REP



Model SCS



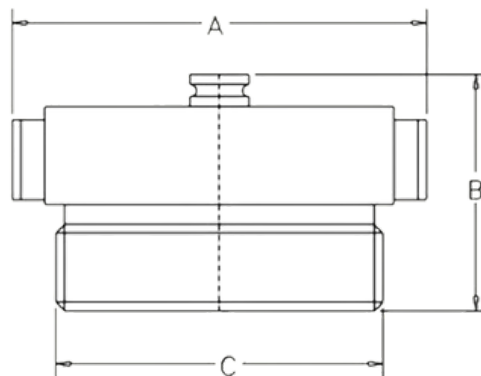
Model SS



Model P&C

Related Products

Model P&C
Brass Plug And Chain



① FUNCTION:

Model P&C is a forged brass plug and chain for protection of threads used on fire department inlet connection . Also, prevents entry of foreign material. Specify regional hose thread.

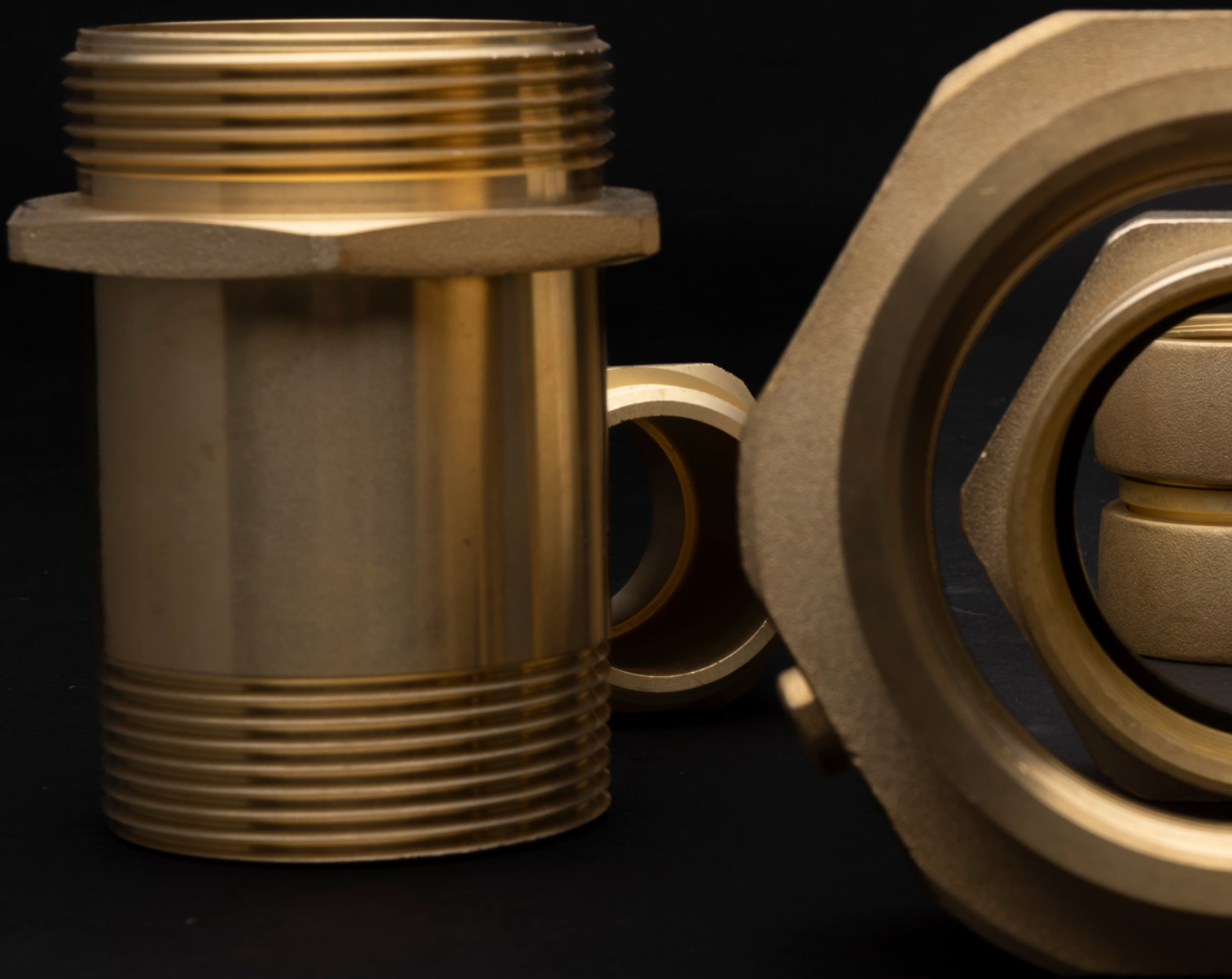
Size	Certification	Thread	Type	Finishing
2,5"/3"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB / X / W / NST / NYFD / NPSH		Brass Polished brass Chrome plated Red paint

CHAMP DIER 05

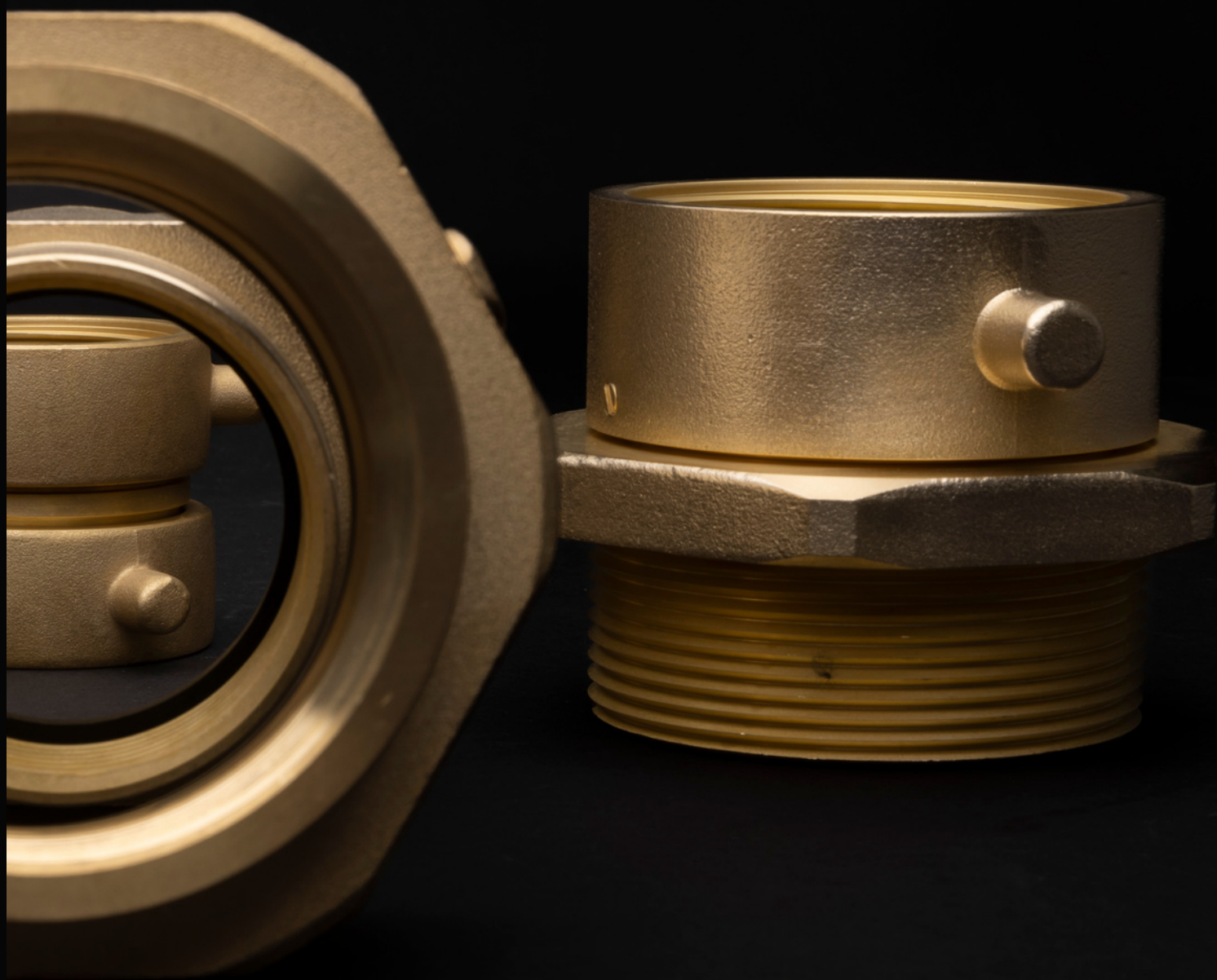
FIRE PROTECTION ADAPTERS

1. Brass Hexagonal Adapter
2. Brass Rack Nipple
3. Brass Snoot And Swivel
4. Brass reducer
5. Grooved Brass Internal Lug Adapter





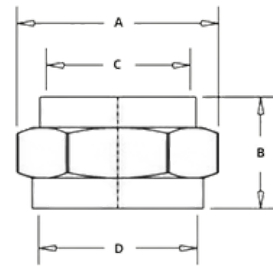
STATE-OF-THE-ART



BRASS VALVES

Brass Hexagonal Adapter

OEM-FF-HA



① FUNCTION:

Model FF HA is a female to female brass hexagonal adapter to change configuration of threads.

Model FF HA

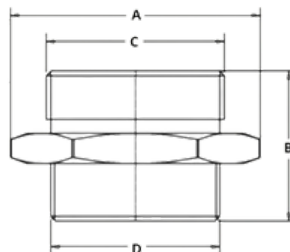
Female To Female Brass Hexagonal Adapter

Size	Certification	Thread	Type	Finishing
1,5"/2,5"		A/B/C/D/E/F/G/H/I/J/K/L/M/N/Y/AA/BB/O/P/Q/S/NPT	Female x Female	Brass

OEM-MM-HA

① FUNCTION:

Model MM HA is male to male brass hexagonal adapter to change configuration of threads.



Model MM HA

Male To Male Brass Hexagonal Aadapter



Size	Certification	Thread	Type	Finishing
1,5"/2"/2,5"		A/B/C/D/E/F/G/H/I/J/K/L/M/N/Y/AA/BB/O/P/Q/S/NPT	Male x Male	Brass Chrome Plated Polished Brass Polished Chrome Plated

Brass Hexagonal Adapter



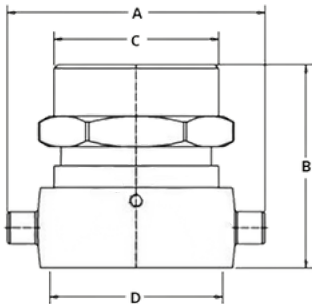
Model FM HA

Female To Male Brass Hexagonal Adapter

OEM-FM-HA

① FUNCTION:

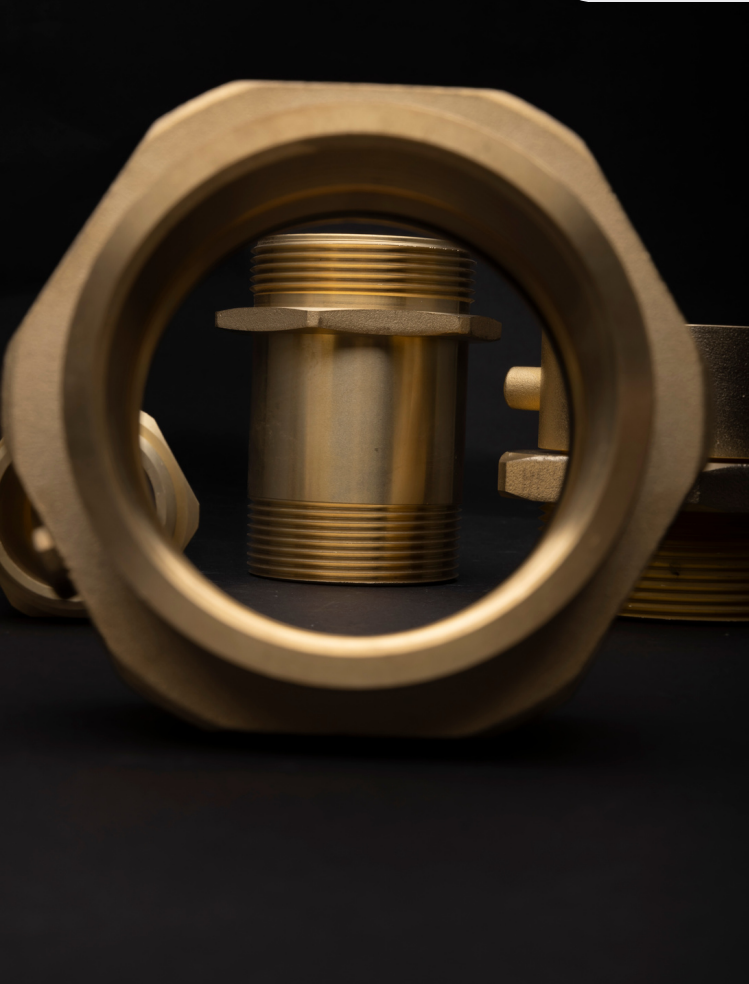
Model FM HA is a female to male brass hexagonal adapter to change configuration of threads.



Size	Thread	Type	Finishing
3"x2,5"	A/B/C/D/E/F/G/H/ I/J/K/L/M/N/Y/AA/ BB /X/W/NPT/NST	Female x Male	Brass Swivel



Brass Rack Nipple



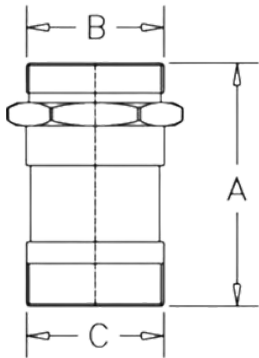
OEM-RN-MM



Model RN
Brass Rack Nipple

① FUNCTION:

Model RN is a rack nipple used with swinging hose rack. Same size both ends.



Model PRAV 2.5"



Model FN



Model SS



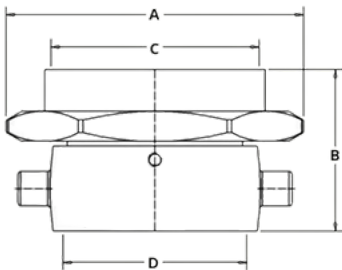
Model BR

Related Products

Size	Certification	Thread	Type	Finishing
1,5"/2,5"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB / O / P / Q / S / NPT / NPSH / NST / NYFD	Male x Male	Brass Polished brass Chrome plated Polished chrome

Snoot And Swivel

OEM-SS-FF



Model SS
Brass Snoot And Swivel



Model FAPRAV



Model PRAV 2.5"



Model FN



Model SS



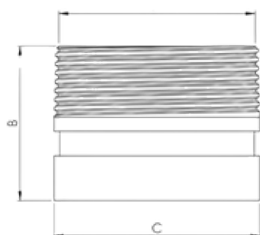
Model BR

FUNCTION:

Model SS is a forged brass, snoot & swivel with pin lug or rocker lug.

Size	Certification	Thread	Type	Finishing
1,5"x2,5" "		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB / O / P / Q / S / NPT	Female x Female	Brass Swivel

OEM-GA-M



Model GA

Grooved Brass Internal Lug Adapter



❶ FUNCTION:

Model GA is a grooved brass internal lug adapter to change configuration of threads.

Size	Certification	Thread	Type	Finishing
1,5"/2,5 "4"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB / O / P / Q / S	Male	Brass Chrome plated

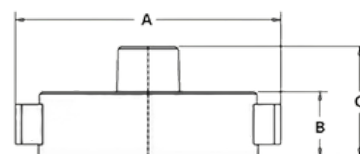
OEM-BR-FM

❶ FUNCTION:

A forged brass reducer that will come with either pin lug or rocker lug and changes the size and/or thread configuration.

Model BR

Brass reducer



Size	Certification	Thread	Type	Finishing
1,5" / 2,5"		A / B / C / D / E / F / G / H / I / J / K / L / M / N / Y / AA / BB / O / P / Q / S / NPT	Female x Male	Brass Polished brass Chrome Polished Chrome



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