## PLUMBING

EVO AQUA Rain Water Harvesting Filter *(DN150—DN400)*
PIPECO Sectional Water Tank *(GRP and Stainless Steel)*
Z-TIDE Pressure Controlled Valves *(PRV, Float Valve, Check Valve, etc.)*
JAMAN Manual Operated Valves *(NRS, OS & Y, Y Strainer, etc.)*
JAMAN Brass Valves—NPT
JAMAN Water Meter *(Brass, Cast Iron)*
JPI Drains, Grease Traps, Oil Interceptors, Manholes, Gratings
JAMAN Drains, Grease Traps, Oil Interceptors, Manholes, Gratings
STUDOR Air Admittance Valves

## FIRE-PROTECTION

CHPBV Fire Protection Valves (UL / FM)
TSP Black Iron Malleable Fittings (UL / FM)
PURELAND Sprinkler Heads (UL)
HANTS Test and Drain Valve (UL)
HUACHENG Angle Hose Valve (UL / FM)
SYSTEM SENSOR Water Flow Switch (UL / FM)
IRONMAN Pressure Gauge (UL)

FLOWMETRICS

FLOWMETRICS INDUSTRIAL SALES INC.

EVO AQUA

Quality Made in Germany

**Evo Commercial Series from DN150 to DN400**

**Rainwater Harvesting Filters**

- Save Water-Protect Resources -

www.evo-aqua.com

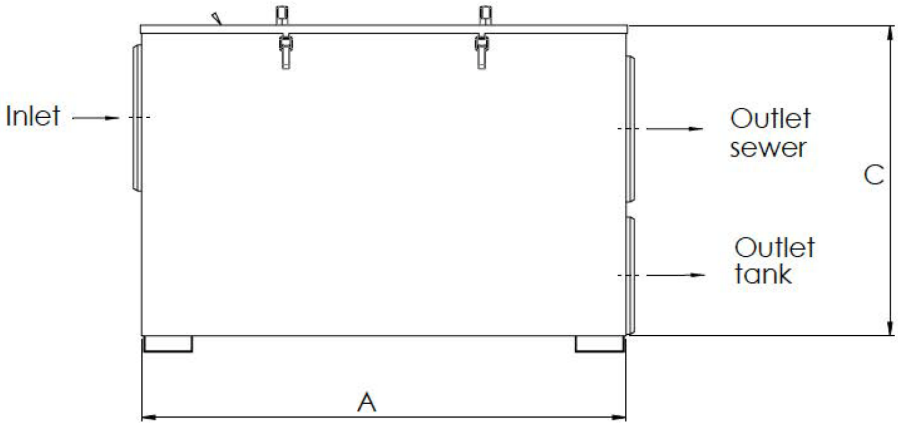
# DESIGN & SPECIFICATIONS

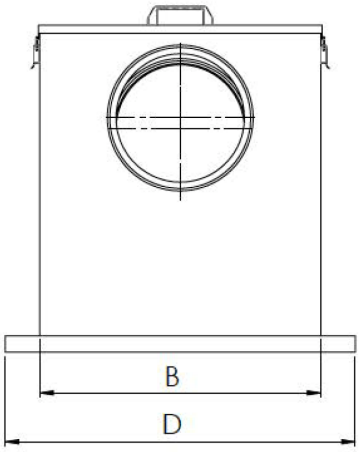
## RAINWATER HARVESTING FILTER - EVO AQUA COMMERCIAL FILTER

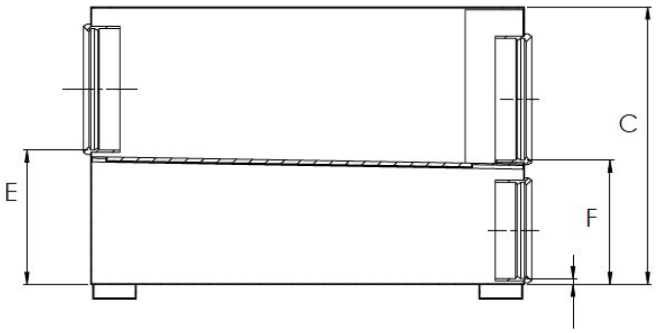
Technical Standard: **DIN 1989-2**
Material Casing: **Stainless Steel Grade 1.4301**
Material Filter: **Stainless Steel Grade 1.4301**
Mesh Size: **600 microns or 0.6mm**
Efficiency: **95%**
Country of Origin: **Germany (Made in Europe)**
Sizes: **EVO AQUA** Commercial Filter **DN150** = 37 l/s max flow rate = **586.47 GPM**
**EVO AQUA** Commercial Filter **DN200** = 68 l/s max flow rate = **1,077.82 GPM**
**EVO AQUA** Commercial Filter **DN250** = 120 l/s max flow rate = **1,902.04 GPM**
**EVO AQUA** Commercial Filter **DN300** = 190 l/s max flow rate = **3,011.56 GPM**
**EVO AQUA** Commercial Filter **DN400** =250 l/s max flow rate = **3,962.58 GPM**

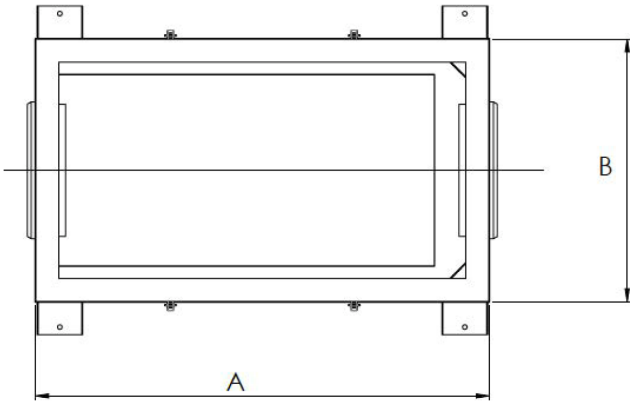
EVO AQUA

Quality Made in Germany



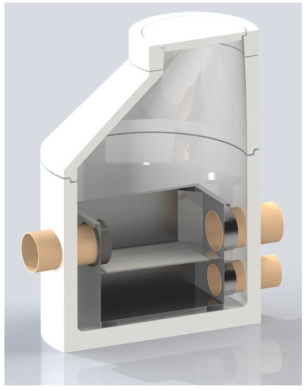



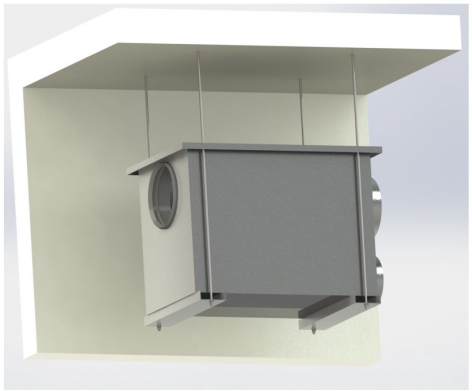




## TECHNICAL DATA

Evo Commercial Series Rainwater Harvsting Filters Specifications

| Model | Item No | Inlet | Outlet Sewer | Outlet Tank | Max. Flowrate | Dimensions in mm | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | A | B | C | D | E | F |
| Evo-C150 | 1300100 | DN150 | DN150 | DN100 | 37 L/s | 570 | 300 | 450 | 380 | 222 | 194 |
| Evo-C200 | 1300200 | DN200 | DN200 | DN150 | 68 L/s | 700 | 540 | 538 | 620 | 280 | 250 |
| Evo-C250 | 1300400 | DN250 | DN250 | DN200 | 120 L/s | 940 | 600 | 634 | 770 | 326 | 290 |
| Evo-C300 | 1300500 | DN300 | DN300 | DN250 | 190 L/s | 1190 | 690 | 761 | 860 | 368 | 341 |
| Evo-C400 | 1300600 | DN400 | DN400 | DN300 | 250 L/s | 1190 | 690 | 868 | 860 | 418 | 396 |







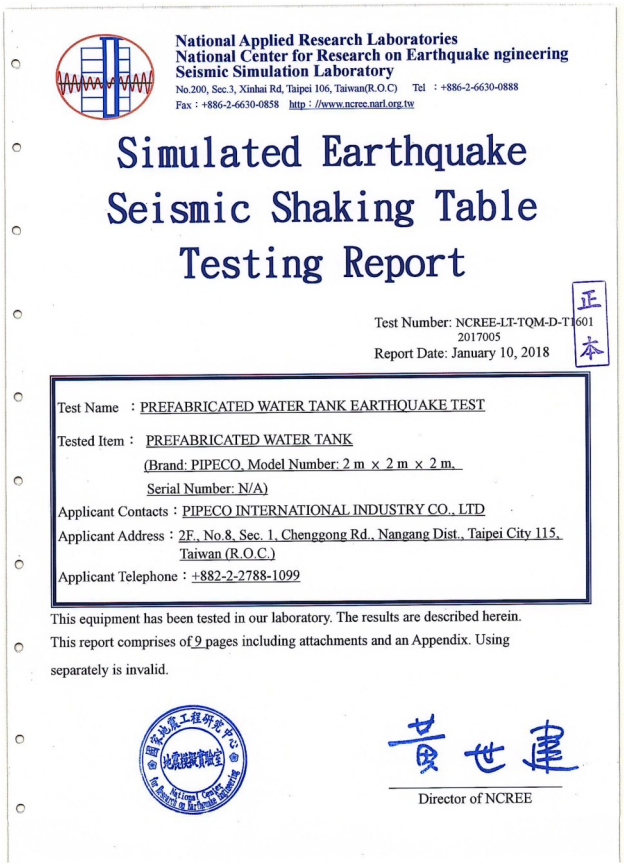
**38A STO. DOMINGO AVENUE, BRGY. STO. DOMINGO, QUEZON CITY**
Telephone: **(02) 8354-3144 / (02) 8395-7674 / (02) 8986-3829**
Email: **sales@flowmetrics.ph** / Website: **www.flowmetrics.ph**

PIPECO

**STAINLESS STEEL 304 / 316**
**Conformed to SS 22:1979**

## MODULAR WATER TANK

- Elevated Water Tank
- Potable Water Tank
- Non Potable Water Tank
- Rainwater Tank
- Fire Reserve Tank



National Applied Research Laboratories
National Center for Research on Earthquake ngineering
Seismic Simulation Laboratory
No.200, Sec.3, Xinhai Rd, Taipei 106, Taiwan(R.O.C) Tel ：+886-2-6630-0888
Fax：+886-2-6630-0858 http：//www.ncree.narl.org.tw

Simulated Earthquake Seismic Shaking Table Testing Report

正本

Test Number: NCREE-LT-TQM-D-T1601 2017005
Report Date: January 10, 2018

Test Name ：PREFABRICATED WATER TANK EARTHQUAKE TEST
Tested Item： PREFABRICATED WATER TANK
(Brand: PIPECO, Model Number: 2 m × 2 m × 2 m,
Serial Number: N/A)
Applicant Contacts：PIPECO INTERNATIONAL INDUSTRY CO., LTD
Applicant Address：2F., No.8, Sec. 1, Chenggong Rd., Nangang Dist., Taipei City 115, Taiwan (R.O.C.)
Applicant Telephone：+882-2-2788-1099

This equipment has been tested in our laboratory. The results are described herein. This report comprises of 9 pages including attachments and an Appendix. Using separately is invalid.

國家地震工程研究中心 National Center for Research on Earthquake Engineering

黃世建
Director of NCREE

NSF International
789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Pipeco Tanks Malaysia Sdn. Bnd.
Facility: Darul Ehsan, Malaysia

AS COMPLYING WITH NSF/ANSI/CAN 61 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.

NSF

ANSI ACCREDITED
ISO/IEC 17065 Product Certification Body #0178
Certification Program Accredited by the American National Standards Institute

Certification Program Accredited by the Standards Council of Canada

This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in Listing for the referenced standards. For the most current and complete Listing information, please access NSF's website (www.nsf.org).

Theresa Bellish

May 13, 2020
Certificate# C0463543 - 01

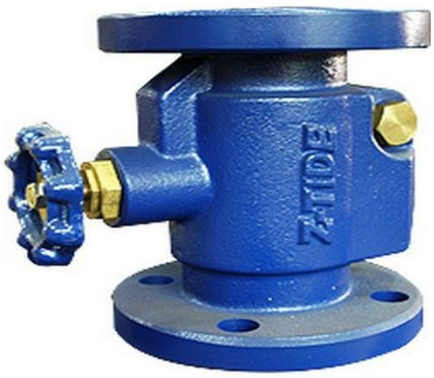
Theresa Bellish
General Manager, Water Systems

WRAS APPROVED PRODUCT

ATTESTATION DE CONFORMITÉ SANITAIRE ACS

UL LISTED

**Z Tide Valve**

| | | |
|---|---|---|
|  **Z-TIDE** Air Release Valve |  **Z-TIDE** Pressure Reducing Valve |  **Z-TIDE** Float Valve |
|  **Z-TIDE** Pump Control Valve |  **Z-TIDE** Foot Valve |  **Z-TIDE** Relief Valve |
|  **Z-TIDE** Silent Check Valve |  **Z-TIDE** Water Hammer Arrestor |  **Z-TIDE** Solenoid Valve |

**38A STO. DOMINGO AVENUE, BRGY. STO. DOMINGO, QUEZON CITY**
Telephone: **(02) 8354-3144 / (02) 8395-7674 / (02) 8986-3829**
Email: **sales@flowmetrics.ph** / Website: **www.flowmetrics.ph**

Z Tide Valve


# Z-TIDE VALVES (TAIWAN)

**Z-TIDE** Float Valve
**Z-TIDE** Pressure Reducing Valve
**Z-TIDE** Pressure Relief Valve
**Z-TIDE** Pressure Sustaining Valve
**Z-TIDE** Solenoid Valve
**Z-TIDE** Pump Control Valve
**Z-TIDE** Full-open Style Silent Check Valve (Non-Slam)
**Z-TIDE** Foot Valve
**Z-TIDE** Air Release Valve
**Z-TIDE** Water Hammer Arrestor (L Style and I Style)
**Z-TIDE** Surge Anticipating Valve
**Z-TIDE** Altitude Valve
**Z-TIDE** Direct Activated Pressure Relief Valve (NPT)
**Z-TIDE** Direct Activated Pressure Reducing Valve (NPT)

WRAS APPROVED PRODUCT

This certifies that

ELITE LINE INDUSTRIAL CORPORATION.

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

"BFR-50, BFR-65, BFR-80, BFR-150 & BFR-100 PRESSURE REDUCING VALVES"

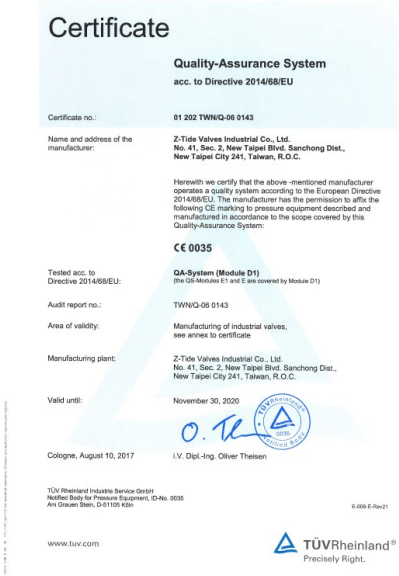
The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

June 2022

1706084
Certificate No.

Secretary — Chairman, Product Assessment Group



Certificate

Quality-Assurance System
acc. to Directive 2014/68/EU

Certificate no.: 01 202 TWN/Q-06 0143

Name and address of the manufacturer: Z-Tide Valves Industrial Co., Ltd. No. 41, Sec. 2, New Taipei Blvd. Sanchong Dist., New Taipei City 241, Taiwan, R.O.C.

Herewith we certify that the above -mentioned manufacturer operates a quality system according to the European Directive 2014/68/EU. The manufacturer has the permission to affix the following CE marking to pressure equipment described and manufactured in accordance to the scope covered by this Quality-Assurance System:

CE 0035

Tested acc. to Directive 2014/68/EU: QA-System (Module D1) (the QS-Modules E1 and E are covered by Module D1)

Audit report no.: TWN/Q-06 0143

Area of validity: Manufacturing of industrial valves, see annex to certificate

Manufacturing plant: Z-Tide Valves Industrial Co., Ltd. No. 41, Sec. 2, New Taipei Blvd. Sanchong Dist., New Taipei City 241, Taiwan, R.O.C.

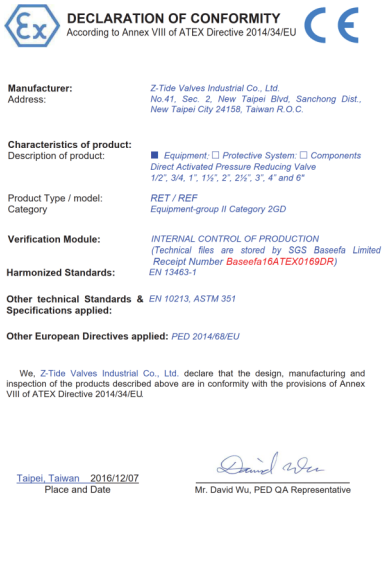
Valid until: November 30, 2020

Cologne, August 10, 2017 — I.V. Dipl.-Ing. Oliver Theisen

TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No. 0035
Am Grauen Stein, D-51105 Köln

E-008-E-Rev21

www.tuv.com — TÜVRheinland® Precisely Right.



DECLARATION OF CONFORMITY
According to Annex VIII of ATEX Directive 2014/34/EU

Manufacturer: Z-Tide Valves Industrial Co., Ltd.
Address: No.41, Sec. 2, New Taipei Blvd, Sanchong Dist., New Taipei City 24158, Taiwan R.O.C.

Characteristics of product:
Description of product: ■ Equipment: ☐ Protective System: ☐ Components
Direct Activated Pressure Reducing Valve
1/2", 3/4, 1", 1½", 2", 2½", 3", 4" and 6"

Product Type / model: RET / REF
Category: Equipment-group II Category 2GD

Verification Module: INTERNAL CONTROL OF PRODUCTION (Technical files are stored by SGS Baseefa Limited Receipt Number Baseefa16ATEX0169DR)

Harmonized Standards: EN 13463-1

Other technical Standards & Specifications applied: EN 10213, ASTM 351

Other European Directives applied: PED 2014/68/EU

We, Z-Tide Valves Industrial Co., Ltd. declare that the design, manufacturing and inspection of the products described above are in conformity with the provisions of Annex VIII of ATEX Directive 2014/34/EU.

Taipei, Taiwan 2016/12/07
Place and Date

Mr. David Wu, PED QA Representative

Certificate

Standard: ISO 9001:2015
Certificate Registr. No.: 01 100 085168

Certificate Holder: Z-Tide Valves Industrial Co., Ltd.
No. 41, Sec. 2, New Taipei Blvd. Sanchong Dist., New Taipei City 241, Taiwan, R.O.C.

Scope: Manufacturing and Sales of Industrial Valves

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2017-08-11 until 2020-08-10. It remains valid subject to satisfactory surveillance audits. First certification 2008

2017-08-04

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com — TÜVRheinland® Precisely Right.

**METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER**
Department of Science and Technology
Gen. Santos Ave., Bicutan, Taguig City, 1631 Philippines
Tel. Nos. 8837-0431 to 38 local 481 or 482/Fax No.: 8837-0430

**ANALYSIS AND TESTING DIVISION**

# CERTIFICATE

**FLOWMETRICS INDUSTRIAL SALES**
38-A Sto. Domingo St., Quezon City

| | | |
|---|---|---|
| Job Description | : | **HYDROSTATIC TEST** |
| Customer's Sample Description | : | OS&Y Gate Valve, ANSI Flange, Class 300 4" Ø<br>Brand: Jaman |
| Date Received | : | 11 March 2024 |
| Date Tested | : | 22 March 2024 |
| Location of Testing | : | Mechanical Metallurgy Laboratory (MML) |

JAMAN

ANSI American National Standards Institute | American Water Works Association | NSF

**JAMAN** OS & Y Valve

**JAMAN** Non-rising Stem Valve

**JAMAN** Swing Check Valve

**JAMAN** Foot Valve

**JAMAN** Single Air Release Valve

**JAMAN** Butterfly Valve

**JAMAN** Y Strainer

**JAMAN** Single Sphere

**JAMAN** Double Sphere

## DESIGN & SPECIFICATIONS

Design Standard: **ANSI/AWWA C515**
Description: **RESILIENT SEATED GATE VALVE FOR WATER SUPPLY**
Material: **Ductile Iron conform to ASTM A395**
Flange Standard: **ASME B16.10, ASME B16.42, ASME B16.50**
Epoxy Coating: **ANSI/AWWA C550 certified by NSF 61 & NSF 372**
Material Testing: **ANSI/AWWA C515, ASME B16.42, ASME B16.50**
Sizes: **2" - 12"**

## TESTS

Working Pressure: **300 psi**
Seat Pressure: **330 psi**
Shell Pressure: **450 psi**
Working Temperature: **-20°C to 100°C**

## DESIGN & SPECIFICATIONS

Design Standard: **ANSI/AWWA C508**
Description: **SWING CHECK VALVE FOR WATER SUPPLY**
Material: **Ductile Iron conform to ASTM A395**
Flange Standard: **ASME B16.10, ASME B16.42, ASME B16.50**
Epoxy Coating: **ANSI/AWWA C550 certified by NSF 61 & NSF 372**
Material Testing: **ANSI/AWWA C515, ASME B16.42, ASME B16.50**
Sizes: **2" - 12"**

## TESTS

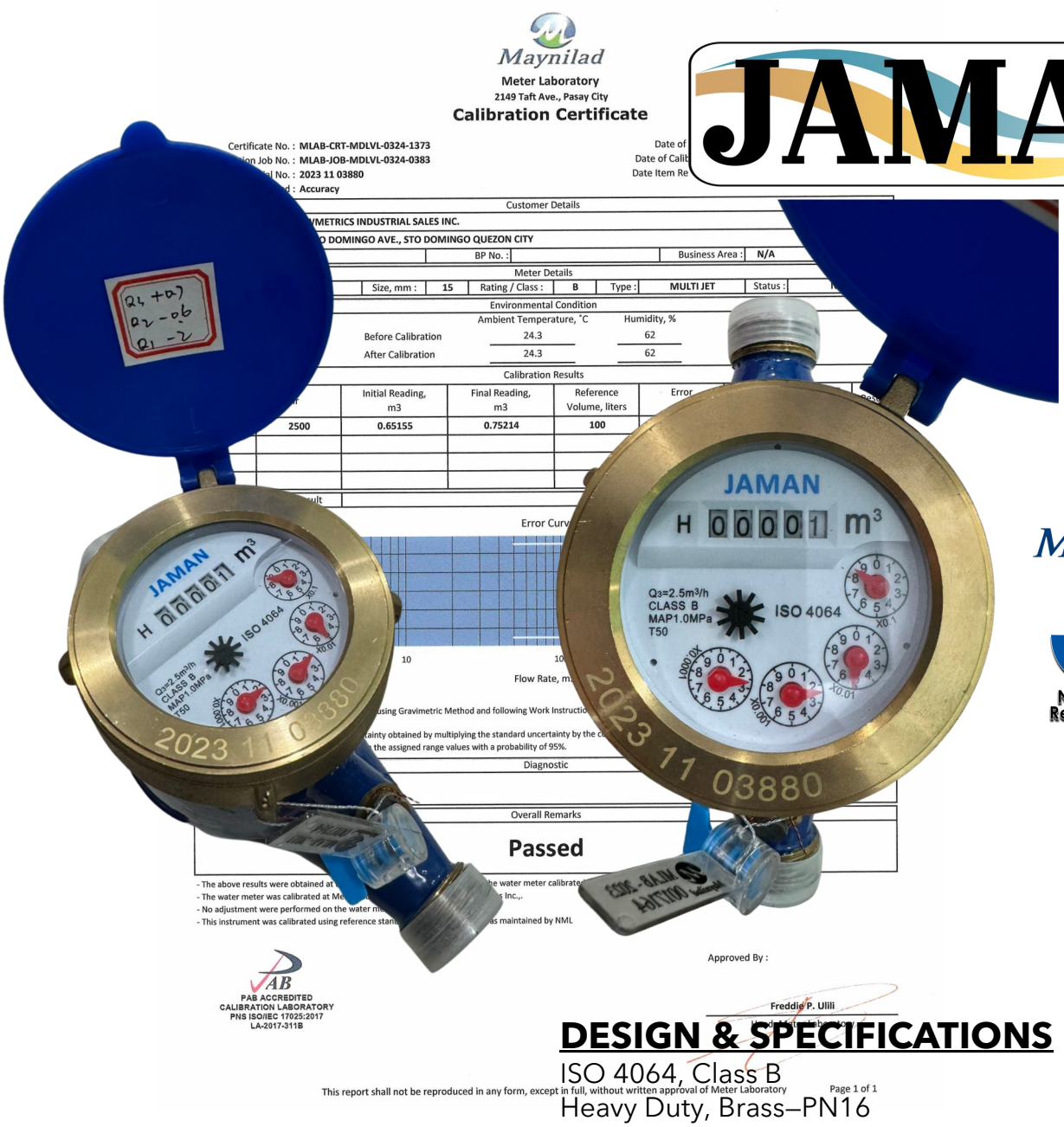
Working Pressure: **300 psi**
Seat Pressure: **330 psi**
Shell Pressure: **450 psi**
Working Temperature: **-20°C to 85°C**

## DESIGN & SPECIFICATIONS

Design Standard: **as per Manufacturer's mould**
Description: **Y STRAINER FOR WATER SUPPLY**
Material: **Ductile Iron conform to ASTM A395**
Flange Standard: **ASME B16.10, ASME B16.42, ASME B16.50**
Epoxy Coating: **ANSI/AWWA C550 certified by NSF 61 & NSF 372**
Material Testing: **ANSI/AWWA C515, ASME B16.42, ASME B16.50**
Sizes: **2" - 12"**

## TESTS

Working Pressure: **300 psi**
Seat Pressure: **330 psi**
Shell Pressure: **450 psi**
Working Temperature: **-20°C to 100°C**



Maynilad
Meter Laboratory
2149 Taft Ave., Pasay City
Calibration Certificate

Certificate No. : MLAB-CRT-MDLVL-0324-1373
Job No. : MLAB-JOB-MDLVL-0324-0383
No. : 2023 11 03880
: Accuracy

Customer Details
METRICS INDUSTRIAL SALES INC.
DOMINGO AVE., STO DOMINGO QUEZON CITY
BP No. : Business Area : N/A

Meter Details
Size, mm : 15 Rating / Class : B Type : MULTI JET Status :

Environmental Condition

| | Ambient Temperature, °C | Humidity, % |
|---|---|---|
| Before Calibration | 24.3 | 62 |
| After Calibration | 24.3 | 62 |

Calibration Results

| | Initial Reading, m3 | Final Reading, m3 | Reference Volume, liters | Error |
|---|---|---|---|---|
| 2500 | 0.65155 | 0.75214 | 100 | |

Error Curv
Flow Rate, m
Diagnostic
Overall Remarks
Passed

- The above results were obtained at
- The water meter was calibrated at Me
- No adjustment were performed on the water m
- This instrument was calibrated using reference stan

Inc.,.
as maintained by NML

PAB ACCREDITED CALIBRATION LABORATORY PNS ISO/IEC 17025:2017 LA-2017-311B

Approved By :
Freddie P. Ulili

This report shall not be reproduced in any form, except in full, without written approval of Meter Laboratory Page 1 of 1

JAMAN

Maynilad

National Water Resources Board

## DESIGN & SPECIFICATIONS

ISO 4064, Class B
Heavy Duty, Brass–PN16
Multi-jet, Dry Dial
Encapsulated Copper Can, Vacuum Sealed
Magnetic Drive
Magnetic Shield–External Magnetic Protection
Mineral Glass Lens
Anti-Back Flow–Built-in Non-return Valve (DN15)
5 Digits Maximum Reading–99,999
Comes with 2 pcs NPT Coupling and Washers

## WORKING CONDITION

Water Temperature: T50
Water Pressure: 16 bars / PN16

## MAXIMUM PERMISSIBLE ERROR

(1) In the Lower Zone from qmin inclusive up to but excluding qt is ±5%.
(2) In the Upper Zone from qt inclusive up to and including qs is ±2%. (±3% for Hot Water Meter)

JAMAN

National Water Resources Board

Maynilad


## DESIGN & SPECIFICATIONS

Standard: **ISO 4064**
Usage: **For main and sub-water meter (Industrial or Residential)**
**Cold or hot water use.**
Calibrated by: **Maynilad Water Services, Inc. (MWSI) or**
**National Water Resources Board (NWRB).**
Features: **Multi-jet, Dry dial register**
**Vacuum sealed with mineral glass lens.**
Connection: **Threaded or Flanged Type.**
Sizes: **1/2" (15mm) - 12" (300mm)**


**METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER**
Department of Science and Technology
Gen. Santos Ave., Bicutan, Taguig City, 1631 Philippines
Tel. Nos. 8837-0431 to 38 local 481 or 482/Fax No.: 8837-0430

MIRDC

**ANALYSIS AND TESTING DIVISION**

**CERTIFICATE**

**FLOWMETRICS INDUSTRIAL SALES**
38-A Sto. Domingo St., Quezon City

| | | |
|---|---|---|
| Job Description | : | **HYDROSTATIC TEST** |
| Customer's Sample Description | : | Brass Gate Valve (NPT) ½"<br>Brand: Jaman |
| Date Received | : | 24 January 2025 |
| Date Tested | : | 27 January 2025 |
| Location of Testing | : | Mechanical Metallurgy Laboratory (MML) |

**TEST METHOD:**

Test was conducted on as-received sample in accordance with Mechanical Metallurgy Non-Standard Test Procedure Number 132 Revision 0 (Hydrostatic Testing of Pressurized Metallic Materials and Products)

**TEST RESULT/S:**

Pressure Duration, secs. : 30.00

| | |
|---|---|
| Hydrostatic Test Pressure, MPa | 1.7 |
| Remarks | No leak after the application of test pressure |

See attachment (Page 1)

Notes: 1. The hydrostatic test pressure was provided by the customer.
2. The room temperature during the conduct of test is 25° Celsius.
3. Sample was tested in closed position.
4. The results contained herein only relate to the item/s tested.
5. Test was conducted based on customer's requirements.

EDWARD A. MALIT
Senior SRS

Noted by: **FLORANTE A. CATALAN**
Officer-In-Charge
Analysis and Testing Division

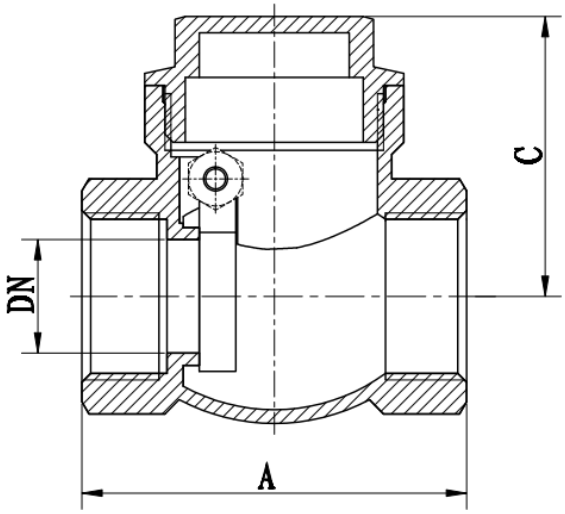
Certificate No. : **MIRDC-012025-MML-0085**

## DESIGN & SPECIFICATIONS

Product Name: **JAMAN Brass Gate Valve**
Working Pressure: **200 WOG**
Working temperature: **from -10°C to +120°C (from 14°F to 248°F)**
Connection: **NPT (National Pipe Thread)**
Usage: **Suitable for hot and cold water, compressed air, oils Non-corrosive fluids, steam**
Sizes: **1/2" (15mm) - 2" (50mm)**

| DIMENSION (mm) | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|---|---|---|---|---|---|---|
| **A** | 54 | 54 | 60 | 71 | 71 | 80 |
| **B** | 13 | 14 | 15 | 17 | 18 | 19.5 |
| **C** | 75 | 84 | 93 | 117 | 124 | 148 |
| **D** | 43 | 49 | 52 | 59 | 62 | 70 |
| **E** | 15 | 19 | 24 | 31 | 37 | 47 |
| **PN** | 16 | 16 | 16 | 16 | 16 | 16 |

JAMAN


## DESIGN & SPECIFICATIONS

Product Name: **JAMAN Brass Swing Check Vale**
Working Pressure: **200 WOG**
Working temperature: **from -10°C to +120°C (from 14°F to 248°F)**
Connection: **NPT (National Pipe Thread)**
Usage: **Suitable for hot and cold water, oils, and domestic water service**
Sizes: **1/2" (15mm) - 2" (50mm)**

| DIMENSION (mm) | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|---|---|---|---|---|---|---|
| **A** | 47.5 | 56 | 63 | 71 | 80.5 | 93 |
| **C** | 34.5 | 39 | 46.5 | 51 | 59.5 | 67 |
| **DN** | 14 | 18 | 22 | 28 | 33.5 | 43 |
| **PN** | 16 | 16 | 16 | 16 | 16 | 16 |

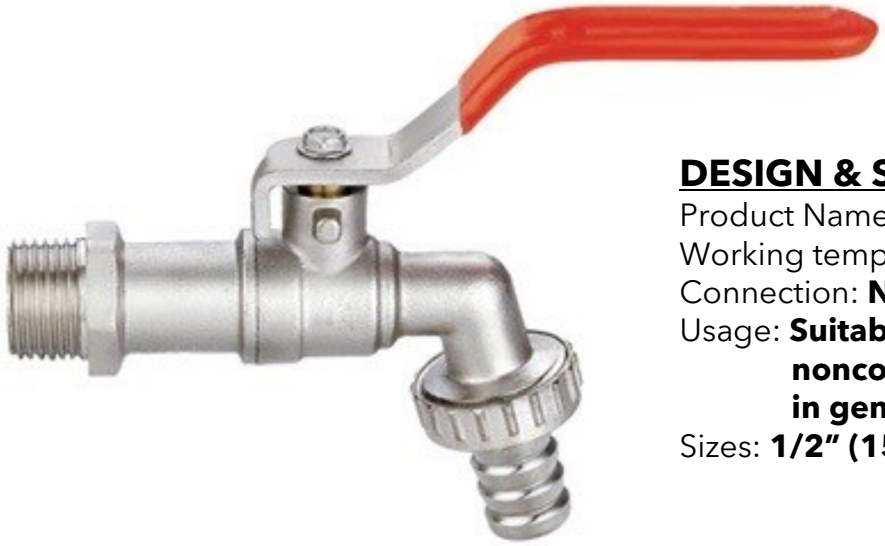
## MATERIAL PARTS

| No. | Parts | Materials |
|---|---|---|
| 1 | Body | Brass |
| 2 | Bonnet | Brass |
| 3 | Flap | Brass |
| 4 | Screw | Brass |

JAMAN

## DESIGN & SPECIFICATIONS

Product Name: **JAMAN Bibcock with lock**
Working temperature: **from -10°C to + 100°C**
Connection: **NPT (National Pipe Thread)**
Usage: **Suitable for hot and cold water, noncorrosive fluids and hydrocarbons in general**
Sizes: **1/2" (15mm) - 3/4" (20mm)**



## DESIGN & SPECIFICATIONS

Product Name: **JAMAN Bibcock**
Working temperature: **from -10°C to + 100°C**
Connection: **NPT (National Pipe Thread)**
Usage: **Suitable for hot and cold water, noncorrosive fluids and hydrocarbons in general**
Sizes: **1/2" (15mm) - 3/4" (20mm)**

## DESIGN & SPECIFICATIONS

Product Name: **JAMAN Ball Valve**
Working temperature: **from -10°C to + 100°C**
Connection: **NPT (National Pipe Thread)**
Usage: **Suitable for hot and cold water, noncorrosive fluids and hydrocarbons in general**
Sizes: **1/2" (15mm) - 2" (50mm)**

# JAMAN


# JPI

## FABRICATION and CASTING

- Drains (any kinds) - Brass, Stainless
- Gratings
- Manholes
- Grease Traps
- Oil Interceptors

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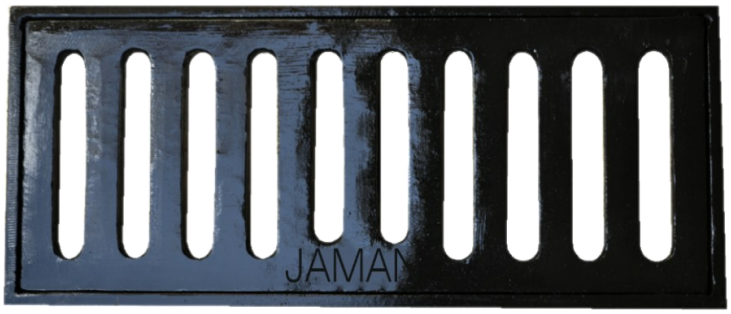
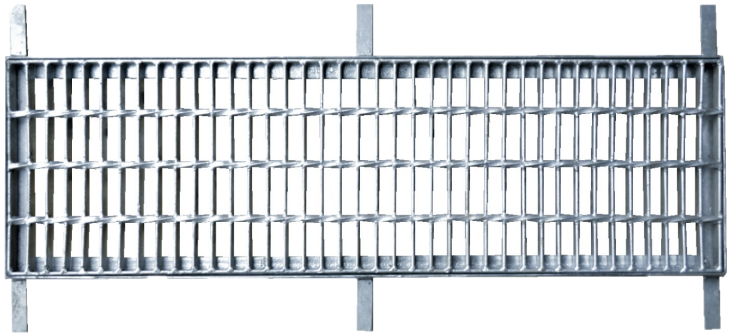
# JAMAN









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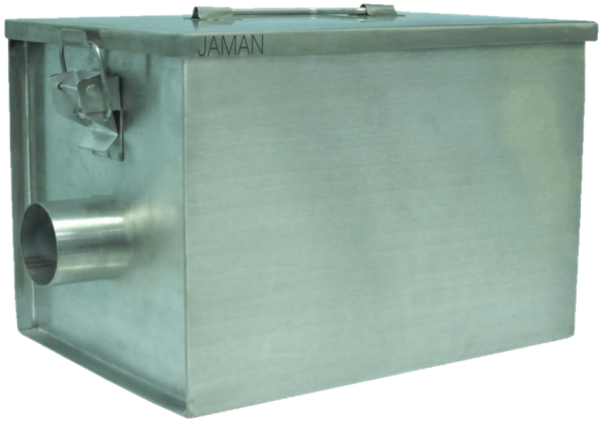


## FABRICATION and CASTING

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STUDOR®

## MINI-VENT


- For Residential and Commercial use
- ANSI/ASSE 1051, 1050, NSF 14, Warnock Hersey, IAPMO, ICC-ES PMG-1025
- Can be used as an Individual, Branch, Circuit Vent or Stack Vent
- Will vent up to 160 DFU
- Protective cover for outdoor use
- Exclusive vermin protection system
- Fits 1 ½" or 2" pipe size
- Limited lifetime warranty

## MAXI-VENT

- For Residential and Commercial use
- ANSI/ASSE 1051, 1050, NSF 14, Warnock Hersey, IAPMO, ICC-ES PMG-1025
- Can be use on an Individual, Branch, Circuit Vent or Stack Vent
- Will vent up to 500 DFU
- Exclusive vermin protection system
- Fits 3" or 4" pipes – when connecting to 3" pipe – remove push-fit connector and couple with a no-hub type band
- Limited lifetime warranty
- Studor recommends the use of the Maxi-cap when installing the Maxi-vent outdoors

## MAXI-FILTRA


- A two way vent , which filters air in both directions
- For outdoor use only
- Replaceable carbon filter to eliminate bad odors
- Designed for installation on septic tanks, lift stations
- UV Rated

Buildings connected to the main sewer can also benefit from the use of the MAXI-FILTRA but Studor technical department must be contacted so that installation feasibility can be determined. The MAXI-FILTRA, as part of the complete STUDOR System® eliminates sewer gases from entering buildings or polluting the surrounding areas. It can also be retro-fitted in existing plumbing system provided that all design and installation criteria are met.

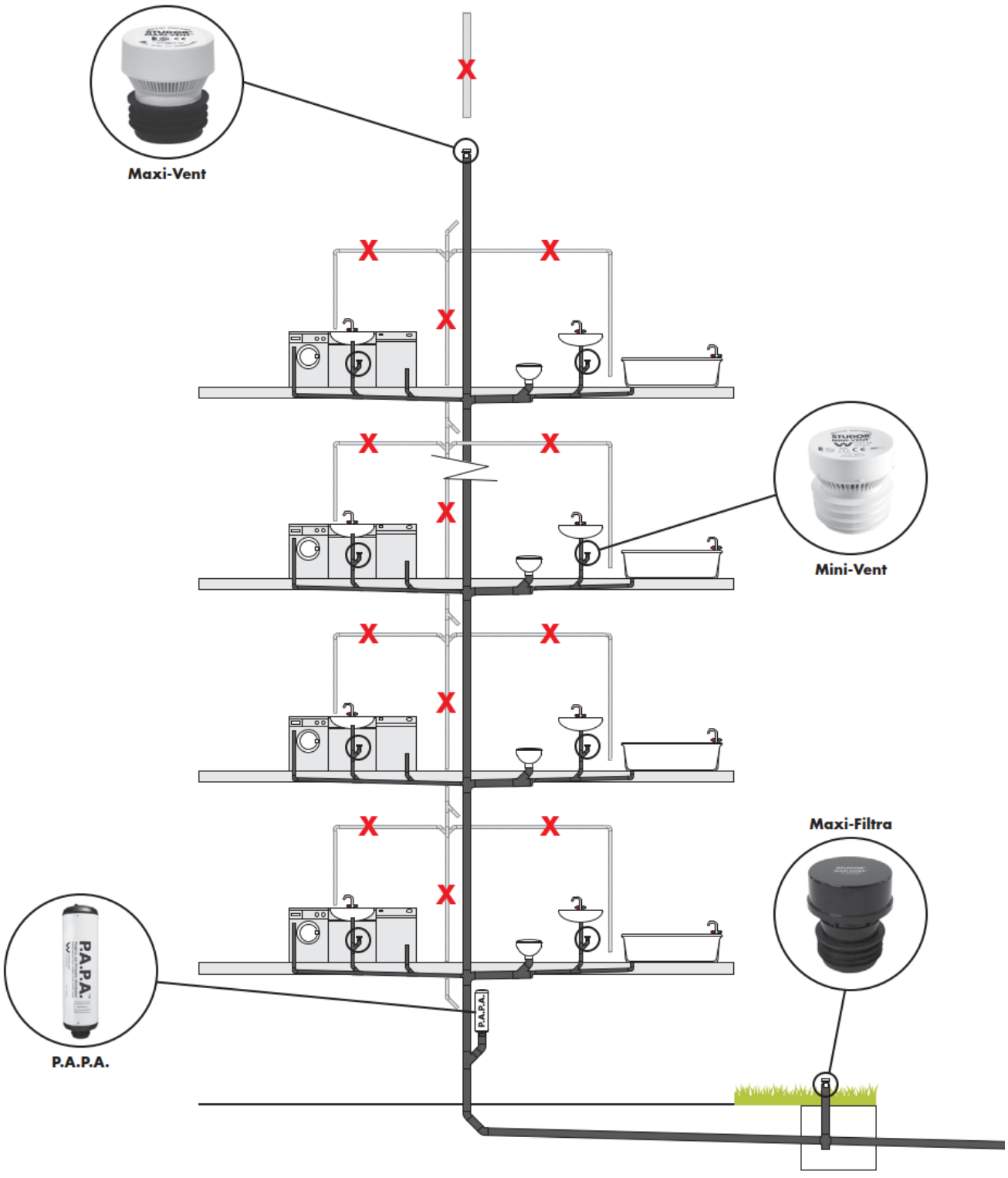
## Positive Air Pressure Attenuator (P.A.P.A.)


The P.A.P.A. device is the perfect compliment to STUDOR Air Admittance Valves. Together they form the **ENGINEERED STUDOR SYSTEM**, a total solution to building venting requirements. The Studor AAVs deal with negative pressure in the system while the **P.A.P.A.** effectively deals with the positive pressure transients. The combination of the two maintains the perfect system balance quickly and efficiently throughout the system preventing siphonage and blowing of traps.

- For Commercial use
- The P.A.P.A. can be used in conjunction with a conventional DWV system
- ASSE 1030 - Positive Air Pressure Attenuators for Sanitary Drainage Systems

# UNNECESSARY PIPING

The concept is simple: Studor active drainage ventilation products replace traditional secondary ventilation within drainage systems and will prevent the loss of water seals in traps.

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CHPBV Ningjin APC INDUSTRIES

CHPBV

# 300PSI OS&Y Flanged End Gate Valve

## Resilient Wedge OS & Y Gate Valve – Flanged End

### Technical Features

- Nominal Pressure: 300PSI
- Conforms: ANSI / AWWA C515 Standard
- Face to Face Standard : ASME B16.10
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB / T9113.1
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600 PSI) conforms to UL262, ULC / ORD C262-92 , FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF/ANSI 61 & NSF / ANSI 372 is available

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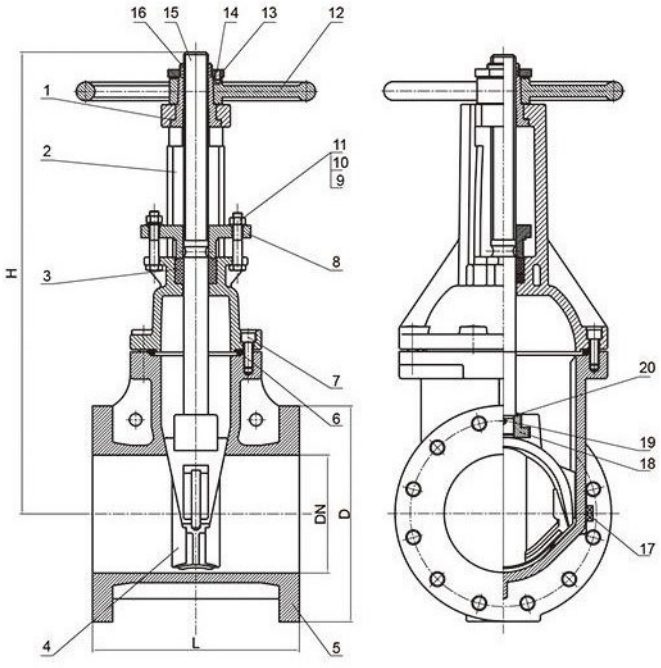
### Valve Material List

| NO. | Name | Material | Standard |
|---|---|---|---|
| 1 | Gasket | Stainless Steel 304 or C95400 | ASTM A276 or ASTM B148 |
| 2 | Bonnet | Ductile Iron | ASTM A536 Grade 65-45-12 |
| 3 | Packing | Graphite | |
| 4 | Disc | Ductile Iron +EPDM | ASTM A536 Grade 65-45-12+ASTM D2000 |
| 5 | Body | Ductile Iron | ASTM A536 Grade 65-45-12 |
| 6 | Sealing Ring | EPDM | ASTM D2000 |
| 7 | Bolt | Stainless Steel 304 or Steel 1045 | ASTM A276 or ASTM A29 |
| 8 | Gland | Ductile Iron | ASTM A536 Grade 65-45-12 |
| 9 | Nut | Stainless Steel 304 or Steel 1045 | ASTM A276 or ASTM A29 |
| 10 | Flat Washer | Stainless Steel 304 or Steel 1045 | ASTM A276 or ASTM A29 |
| 11 | Bolt | Stainless Steel 304 or Steel 1045 | ASTM A276 or ASTM A29 |
| 12 | Handwheel | Ductile Iron | ASTM A536 Grade 65-45-12 |
| 13 | Lock Nut | C95400 | ASTM B148 |
| 14 | Locating Screw | Stainless Steel 304 or Steel 1045 | ASTM A276 or ASTM A29 |
| 15 | Stem | Stainless Steel 304 or C95400 | ASTM A276 or ASTM B148 |
| 16 | Stem Nut | C95400 | ASTM B148 |
| 17 | Plug | C95400 | ASTM B148 |
| 18 | Lifting Nut | CF8 or C95400 | ASTM A351 or ASTM B148 |
| 19 | Pin | Stainless Steel 304 | ASTM A276 |
| 20 | Sealing Ring | EPDM | ASTM D2000 |

### Dimensions

| Size | DN | L | D | H |
|---|---|---|---|---|
| 2½" | 65 | 190 | 178 | 370 |
| 3" | 80 | 203 | 191 | 420 |
| 4" | 100 | 229 | 229 | 447 |
| 5" | 125 | 254 | 254 | 547 |
| 6" | 150 | 267 | 279 | 607 |
| 8" | 200 | 292 | 343 | 754 |
| 10" | 250 | 330 | 406 | 890 |
| 12" | 300 | 356 | 483 | 1031 |



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CHPBV Ningjin APC INDUSTRIES

# 300PSI Flanged Swing Check Valve

Mo CHPBV

## Flanged End

## Technical Features

- Nominal Pressure: 300PSI
- Conforms: AWWA C508
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB / T9113.1
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Face to Face Standard: ASME B16.10
- Approvals: UL, FM
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL 312 & FM class 1210
- Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Applications:
  Used both vertically and horizontally;
  Used in one-way flow pipeline to prevent the water from back flow

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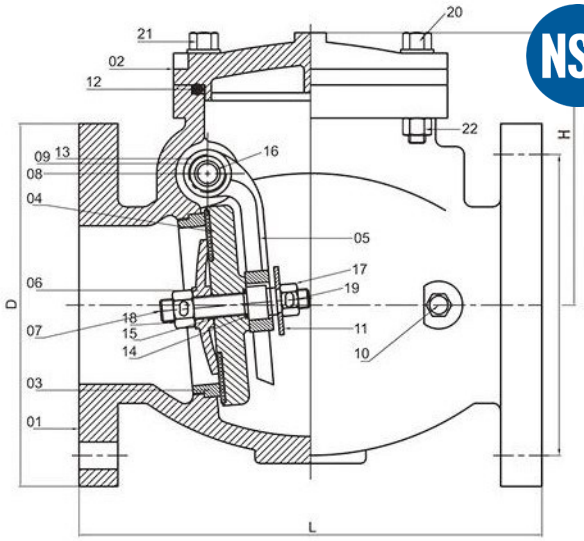


## Valve Material List

| NO. | Name | Material | Standard |
|---|---|---|---|
| 1 | Body | Ductile Iron | ASTM A536 65-45-12 |
| 2 | Bonnet | Ductile Iron | ASTM A536 65-45-12 |
| 3 | Seat Ring | C95400 | ASTM A148 |
| 4 | Disc | Ductile Iron+EPDM | ASTM A536 65-45-12+ASTM D2000 |
| 5 | Rocker Arm | Ductile Iron | ASTM A536 65-45-12 |
| 6 | Baffle Plate | C95400 | ASTM A148 |
| 7 | Middle Stem | Stainless Steel 304 | ASTM A276 |
| 8 | Stem | Stainless Steel 304 | ASTM A276 |
| 9 | Bracket Screw | Stainless Steel 304 | ASTM A276 |
| 10 | Plug | C95400 | ASTM A148 |
| 11 | Gasket | Stainless Steel 304 | ASTM A276 |
| 12 | O-ring | EPDM | ASTM D2000 |
| 13 | O-ring | EPDM | ASTM D2000 |
| 14 | O-ring | EPDM | ASTM D2000 |
| 15 | O-ring | EPDM | ASTM D2000 |
| 16 | Bronze Bushing | Powder Metallurgy | |
| 17 | Nut | Stainless Steel 304 | ASTM A276 |
| 18 | Nut | Stainless Steel 304 | ASTM A276 |
| 19 | Cotter Pin | Stainless Steel 304 | ASTM A276 |
| 20 | Bolt | Steel 1045 | ASTM A29 |
| 21 | Bolt | Steel 1045 | ASTM A29 |
| 22 | Nut | Steel 1045 | ASTM A29 |

## Dimensions

| Size | DN | L | D | H |
|---|---|---|---|---|
| 2" | DN50 | 203 | 152 | 142 |
| 2½" | DN65 | 216 | 178 | 148 |
| 3" | DN80 | 241 | 191 | 163.5 |
| 4" | DN100 | 292 | 229 | 172 |
| 5" | DN125 | 330 | 254 | 237 |
| 6" | DN150 | 356 | 279 | 233 |
| 8" | DN200 | 495 | 343 | 301 |
| 10" | DN250 | 622 | 406 | 348 |
| 12" | DN300 | 698 | 483 | 419 |

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**Butterfly Valve** **Model:** CHPBV

# Butterfly Valve c/w Signal Gearbox – Grooved End

## Technical Features

- Conforms: ANSI / AWWA C606 or Metric Standard Clear Waterway design
- Connection: Grooved End
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF/ ANSI 372
- Maximum Working Pressure: 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UL1091 & ULC / ORD-C1091 & FM 1112
- Maximum Working Temperature: 80°C / 176°F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

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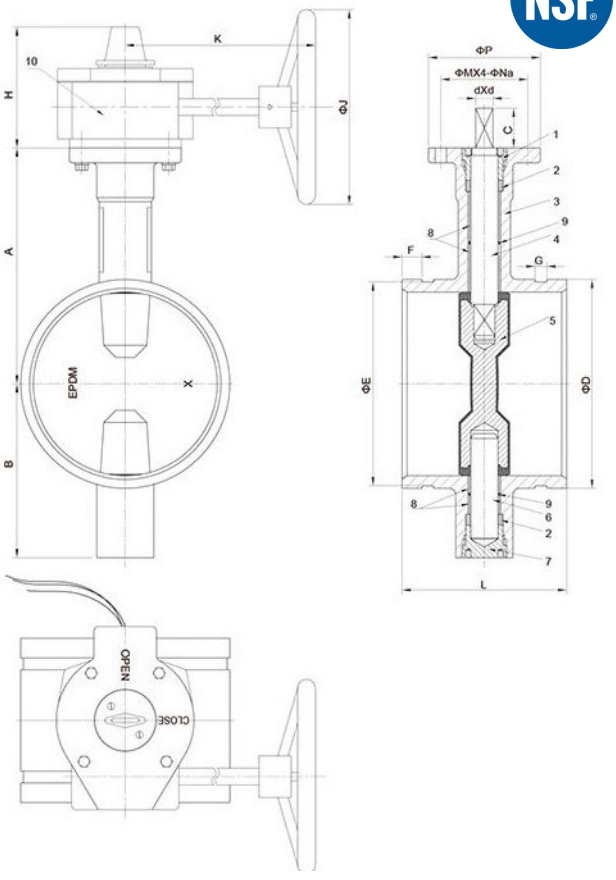
## Valve Material List

| NO. | Description | Material | Standard |
|---|---|---|---|
| 1 | Upper Shaft Sealing Nut | WCB | ASTM A216 |
| 2 | Shaft Seal | EPDM | ASTM D2000 |
| 3 | Body | Ductile Iron | ASTM A536 Grade 65-45-12 |
| 4 | Upper Shaft | 416 Stainless Steel | ASTM A582 |
| 5 | Disc+Rubber Seat | Ductile Iron+EPDM | ASTM A536+ASTM D2000 |
| 6 | Lower Shaft | 416 Stainless Steel | ASTM A582 |
| 7 | Lower Shaft Sealing Nut | WCB | ASTM A216 |
| 8 | Stem Bushing | PTFE / C95400 | |
| 9 | O-Ring | EPDM | ASTM D2000 |
| 10 | Gearbox | | |

## Dimensions

| Size | A | B | C | D | E | F | G | H | K | J | P | M | N | d | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2" | 110 | 85 | 32 | 60.3 | 57.15 | 15.9 | 7.9 | 111 | 153 | 218 | 152 | 90 | 70 | 9 | 10 | 81<br>88 |
| 2½" | 125 | 95 | 32 | 73<br>76.1 | 69.1<br>72.3 | 15.9 | 7.9 | 111 | 153 | 218 | 152 | 90 | 70 | 9 | 10 | 96.4 |
| 3" | 140 | 100 | 32 | 88.9 | 84.9 | 15.9 | 7.9 | 111 | 153 | 218 | 152 | 90 | 70 | 9 | 11 | 97 |
| 4" | 160 | 100 | 32 | 114.3 | 110.1 | 15.9 | 9.5 | 111 | 153 | 218 | 152 | 90 | 70 | 9 | 14 | 115.1 |
| 5" | 170 | 125 | 32 | 139.7<br>141.3 | 135.5<br>137 | 15.9 | 9.5 | 111 | 153 | 218 | 152 | 90 | 70 | 9 | 14 | 132.4<br>148 |
| 6" | 190 | 140 | 32 | 165.1<br>168.3 | 160.9<br>164 | 15.9 | 9.5 | 111 | 153 | 218 | 200 | 90 | 70 | 9 | 16 | 132.4<br>148 |
| 8" | 230 | 175 | 32 | 219.1<br>216.3 | 214.4<br>211.6 | 19 | 11.1 | 126 | 210 | 232 | 300 | 125 | 102 | 12 | 19 | 133<br>147.4 |
| 10" | 260 | 200 | 45 | 267.4<br>273 | 262.6<br>268.3 | 19 | 12.7 | 126 | 210 | 232 | 300 | 125 | 102 | 12 | 24 | 159 |
| 12" | 300 | 240 | 45 | 318.5<br>323.8 | 312.9<br>318.3 | 19 | 12.7 | 161 | 249 | | 350 | 150 | 125 | 14 | 26 | 165 |



Ningjin APC INDUSTRIES

# Wet Alarm Check Valves

Model: SSBJ-300

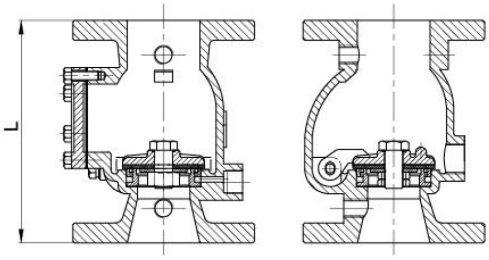
## Flange/Groove/Flange*Groove/Groove*Flange

## Description and Features

- Maximum Adjust Pressure: 20PSI-300PSI/PN10/PN16/PN25
- Flange Standard: ASME/ANSI B16.1 Class 125 or ASME/ANSI B16.42 CLASS 150 or BS EN1092-2 PN16 or GB/T9113.1
- Groove Standard: AWWA C606/ISO 6182-12
- Working Temperature: 4°C-70°C
- Installation Height of the Gong According to Clients requirements
- Gong can be Installed indoor or out door through wall as to clients requirements
- External Dimensions for reference only
- Electrostatic Spraying both inside and outside of the body
- Alarm check valves use in wet pip of sprinkler system, Fire protection system


## General Technical Information

**Flange*Flange**





**Dimension Chart**

| Size | DN50(2in) | DN65(2.5in) | DN80(3in) | DN100(4in) | DN125(5in) | DN150(6in) | DN200(8in) | DN250(10in) | DN300(12in) |
|---|---|---|---|---|---|---|---|---|---|
| L(mm) | 233 | 236 | 245 | 316 | 386 | 390 | 438 | 535 | 622 |
| L(inch) | 9.17 | 9.29 | 9.65 | 12.44 | 15.20 | 15.35 | 17.24 | 21.06 | 24.49 |

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LOW-LEAD UPC

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# GENERAL INFORMATION

## 1. PRODUCT STANDARD AND APPLICATION RANGE

Galvanized and Black Malleable Iron Pipe Standard Specification :

Class : 150 LBS and 300 LBS

| STANDARD | |
|---|---|
| Design | ANSI/ASME B16.3<br>ANSI/ASME B16.14<br>ANSI/ASME B16.39 |
| Material | ASTM A 197 |
| Threads | ANSI/ASME B1.20.1 |
| Zinc Coating | ASTM A 153 |
| Reinforcement | Banded |

Mechanical Properties of Blackheart Malleable Cast Iron

| Tensile Strength (min) | Elongation (min) | Yield Strength |
|---|---|---|
| 275 Mpa | 5 % | 200 Mpa |

Pressure – Temperature Ratings For Class 150

| Temperature (° C) | Pressure (Bar) |
|---|---|
| 29 to 66 | 20.7 |
| 100 | 17.5 |
| 125 | 15.2 |
| 150 | 12.8 |
| 175 | 10.5 |



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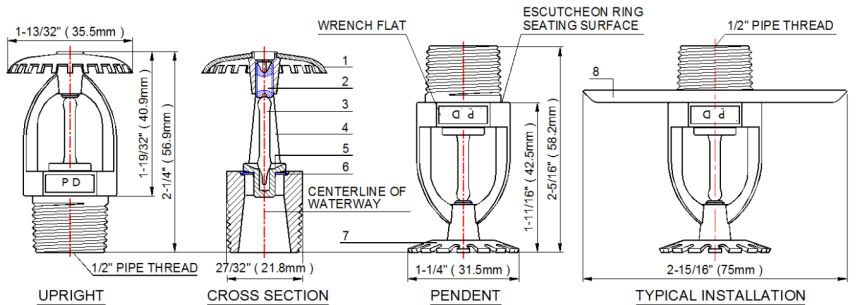
# PURELAND
## Sprinkler Heads

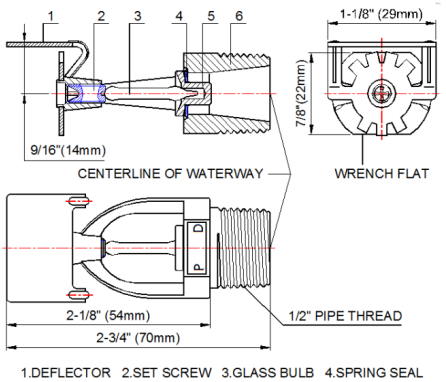
## DESIGN & SPECIFICATIONS

Compliance: **NFPA 13**
Style: **Pendent, Upright, Sidewall and Concealed**
Thread Size: **½" NPT**
Nominal Orifice Size: **½"**
Nominal K-Factor: **5.6 (US) / 80 (metric)**
Maximum Working Pressure: **175 psi / 1.2 MPa (12 bar)**
Factory Hydrostatic Test: **100% @ 500 psi (3.4 MPa)**
Minimum Operating Pressure: **7 psi / 0.048 MPa (0.48 bar)**
Sprinkler Finish: **Natural Brass and Chrome Plated**
Listings / Approval: **UL Listed**




1.SSU DEFLECTOR 2.SET SCREW 3.GLASS BULB 4.FRAME 5.BUTTON 6.SPRING SEAL 7.SSP DEFLECTOR 8.STANDARD ESCUTCHON

**FIGURE A : MODEL PD003/PD004 UPRIGHT & MODEL PD005/PD006 PENDENT SPRINKLERS**




1.DEFLECTOR 2.SET SCREW 3.GLASS BULB 4.SPRING SEAL 5.BUTTON 6.FRAME

**FIGURE A : MODEL PD017/PD018 HORIZONTAL SIDEWALL SPRINKLERS**

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PURELAND

# Automatic Sprinklers

TECHNICAL DATA

**TD02038B**
PIN: PD003-PD006
201510.1rd Edition

## UPRIGHT SPRINKLERS AND PENDENT SPRINKLERS
## MODEL: PD003 / PD004 / PD005 / PD006
## STANDARD SPRAY, STANDARD / QUICK RESPONSE, 5 / 3 mm BULB TYPE, K5.6, 1/2" CONNECTING THREAD

### GENERAL DESCRIPTION

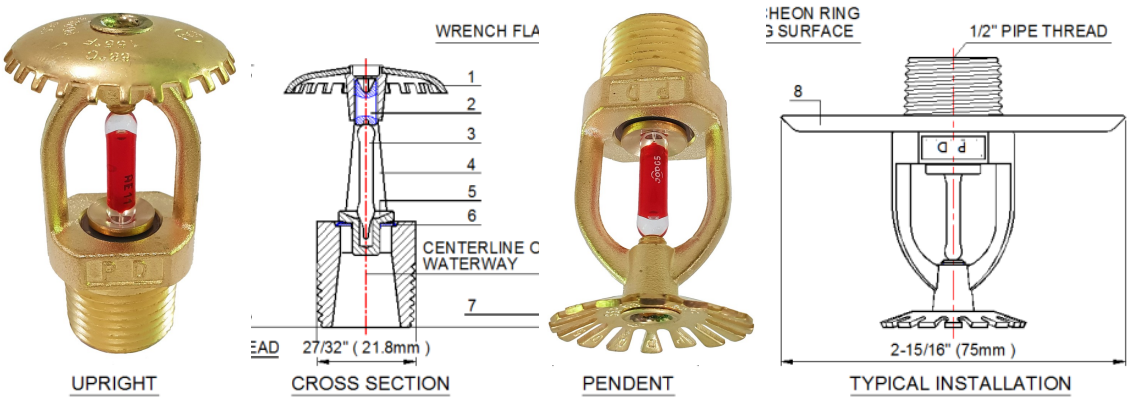
The PD003/PD004 Standard/Quick Response Upright and PD005/PD006 Standard/Quick Response Pendent Sprinklers (Ref. Figure A) are automatic sprinklers of the frangible bulb type. They are "standard/quick response – standard orifice spray sprinkler" intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (e.g., UL Listing is based on NFPA 13 requirements). The Upright, Pendent Sprinklers all produce a hemispherical water distribution pattern below the deflector.

### SPRINKLER OPERATION

During a fire conditions, the thermal-sensitive liquid in the glass bulb expands, causing the bulb to shatter, releasing the button and spring seal assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

### COVERAGE

For coverage area and sprinkler placement, refer to NFPA13 standards.




1.SSU DEFLECTOR 2.SET SCREW 3.GLASS BULB 4.FRAME 5.BUTTON 6.SPRING SEAL 7.SSP DEFLECTOR 8.STANDARD ESCUTCHON

**FIGURE A : MODEL PD003/PD004 UPRIGHT & MODEL PD005/PD006 PENDENT SPRINKLERS**

### TECHNICAL SPECIFICATIONS

| Model & Sprinkler I.D. No. | PD003 | PD004 | PD005 | PD006 |
|---|---|---|---|---|
| Style | Upright | | Pendent | |
| Bulb Nominal Dia. & Response | Ø5mm, Standard Response | Ø3mm, Quick Response | Ø5mm, Standard Response | Ø3mm, Quick Response |
| Thread Size [Optional] | ☐NPT1/2 or ☐R1/2 | | | |
| Nominal Orifice Size | 1/2 Inch | | | |
| Nominal K-Factor | 5.6 (U.S.) / 80 (metric) | | | |
| Max. Working Pressure | 175 psig / 1.2 MPa (12 bar) | | | |
| Factory Hydrostatic Test | 100% @ 500psig (3.4 MPa) | | | |
| Min. Operating Pressure | 7 psig / 0.048 MPa (0.48 bar) | | | |
| Sprinkler Finish [Optional] | ☐Natural Brass ☐Chrome Plated ☐White Color Coated | | | |

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CONTACTS: STANLEY.LIU@PURELAND-SAFETY.COM

PURELAND

# Automatic Sprinklers

TECHNICAL DATA

**TD020383**
PIN: PD017/PD018
201510.1rd Edition

## HORIZONTAL SIDEWALL SPRINKLERS

## MODEL: PD017 / PD018

## STANDARD SPRAY, STANDARD / QUICK RESPONSE, 5 / 3 mm BULB TYPE, K5.6, 1/2" CONNECTING THREAD

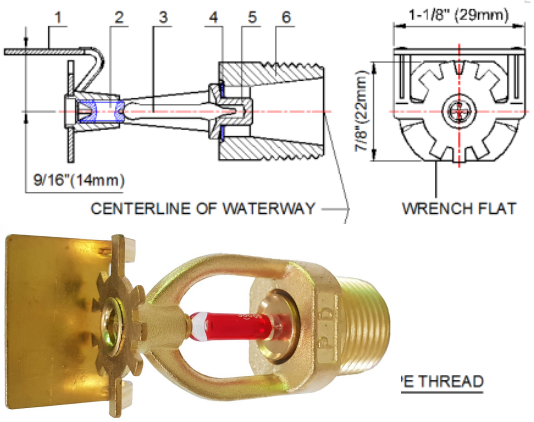
### GENERAL DESCRIPTION

Horizontal sidewall sprinklers are generally used in lieu of pendent and upright sprinklers because of building construction or installation economy considerations. They are designed for installation along a wall or the side of a beam and just beneath a smooth ceiling. Installed with their centerline of waterway horizontal, these sprinklers produce a quarter-spherical water discharge pattern that is predominately directed downward and outward from the deflector; however, a portion of the spray is also directed towards the back wall.

Model PD017 / PD018, Standard / Quick Response Horizontal Sidewall Sprinklers (Ref. Figure A), are automatic sprinklers of the frangible bulb type, and standard spray, 1/2" orifice, 5 / 3 mm bulb. They are "standard / quick response - standard orifice sidewall sprinklers" intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (e.g., UL Listing is based on NFPA 13 requirements).

### SPRINKLER OPERATION

During a fire conditions, the thermal-sensitive liquid in the glass bulb expands, causing the bulb to shatter, releasing the button and spring seal assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.




1.DEFLECTOR 2.SET SCREW 3.GLASS BULB 4.SPRING SEAL 5.BUTTON 6.FRAME

**FIGURE A : MODEL PD017/PD018 HORIZONTAL SIDEWALL SPRINKLERS**

### COVERAGE

For coverage area and sprinkler placement, refer to NFPA13 standards.

### TECHNICAL SPECIFICATIONS

| Model & Sprinkler I.D. No. | PD017 | PD018 |
|---|---|---|
| Style | Horizontal Sidewall | |
| Response & Bulb Nominal Dia. | Standard Response, Ø5 mm | Quick Response, Ø3 mm |
| Thread Size [Optional] | ☐NPT1/2 or ☐R1/2 | |
| Nominal Orifice Size | 1/2 Inch | |
| Nominal K-Factor [1] | 5.6 (U.S.) / 80 (metric) | |
| Max. Working Pressure | 175 psig / 1.2 MPa (12 bar) | |
| Factory Hydrostatic Test | 100% @ 500psig (3.4 MPa) | |
| Min. Operating Pressure | 7 psig / 0.048 MPa (0.48 bar) | |
| Sprinkler Finish [Optional] | ☐Natural Brass or ☐Chrome Plated ☐White Color Coated | |
| Listings and Approvals | UL(United States) / ULC(Canada) | |

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HUACHENG

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ISO9001:2000

## HOSE VALVE

FIRE PROTECTION PRODUCTS

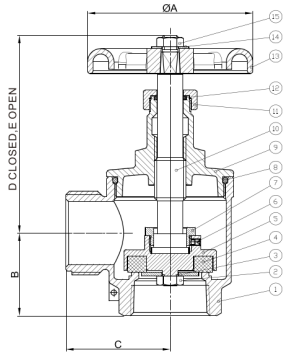
Thread:
21/2" FNPT x MNST
MBCT
MONT
MPHX
MQST
MCLV
MTEM

NYFD
11/2" FNPT x MNST
MNPSH

HC-101(DWG.J281)
ANGLE HOSE VALVE
300lb. RATED
Used with a Fire Hose Rack Assembly
Or as a Fire Dept. outlet connection
FEMALE x MALE

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

Optional Finishes:
PB-Polished Brass
RC-Rough Chrome Plated
PC-Polished Chrome Plated

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| | A | B | C | D | E |
|---|---|---|---|---|---|
| 1½"x1½ | 100 | 50 | 63 | 119 | 145 |
| 2½"x2½ | 127 | 68 | 79 | 157 | 200 |

| NO | DESCRIPTION | MATERIALS | NO | DESCRIPTION | MATERIALS |
|---|---|---|---|---|---|
| 1 | BODY | ASTM B283 C37700 | 9 | BONNET | ASTM B283 C37700 |
| 2 | NUT | ASTM B283 C37700 | 10 | STEM | ASTM B283 C37700 |
| 3 | WASHER | 304 | 11 | LOCK NUT | ASTM B283 C37700 |
| 4 | SEAT SEAL | EPDM(A70) | 12 | O-RING | EPDM(A70) |
| 5 | HOLDER | ASTM B283 C37700 | 13 | HANDLE WHEEL | ZL102 |
| 6 | SET SCREW | 304 | 14 | WHEEL WASHER | 304 |
| 7 | LOCK NUT | ASTM B283 C37700 | 15 | WHEEL NUT | ASTM B283 C37700 |
| 8 | O-RING | EPDM(A70) | | | |

# HTD

HANTS®

HTD series

TEST AND DRAIN VALVE

- Applicative units for: Test water flow through fire systems
- Working Pressure: 300 PSI (20.6 bar)
- Working Temp.:-10°C to 120°C (14°F to 250°F)
- Connection: Threaded NPT, BSPT,Grooved AWWA C606
- Three position ball valve OFF / TEST / DRAIN.
- Tamper-Resistant Test Orifice and Sight Glasses Compact.

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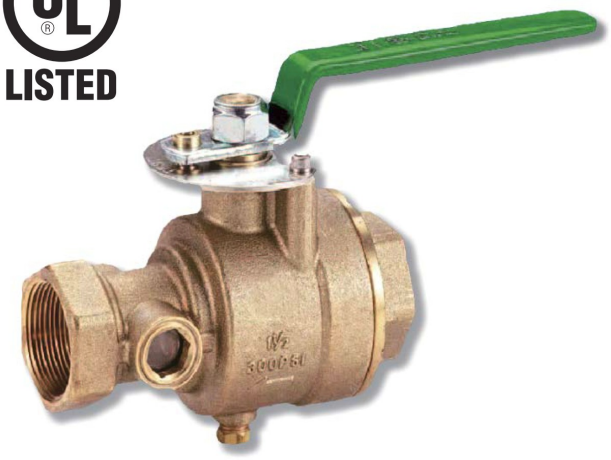


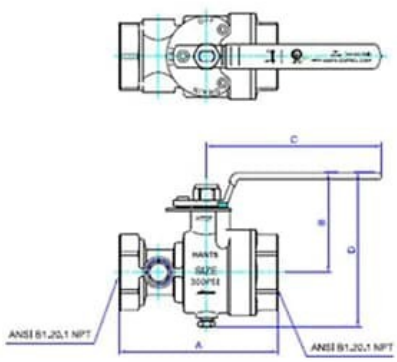
| ITEM | PARTS | MATERIAL |
|---|---|---|
| 1 | BODY | BRONZE |
| 2 | SEAT | TFM |
| 3 | STEM | BRONZE |
| 4 | STEM SEAL | TFM |
| 5 | BALL | BRONZE |
| 6 | LEVER | STEEL |
| 7 | INDICATOR PLATE | STEEL |

| SIZES | | DIMENSIONS (MM) | | | | | |
|---|---|---|---|---|---|---|---|
| Inch | mm | L | H | E | D | ORIFICE | K |
| 1" | DN 25 | 128 | 113 | 68 | 130 | 7/16"/ 1/2" | 4.2/ 5.6 |
| 1.25" | DN 32 | 128 | 113 | 68 | 130 | 7/16"/ 1/2" | 4.2/ 5.6 |
| 1.5" | DN 40 | 157 | 155 | 99 | 157 | 7/16"/ 1/2"/ 3/4"/ 3/4" | 4.2/ 5.6/ 14/ 25 |
| 2" | DN 50 | 157 | 155 | 99 | 157 | 7/16"/ 1/2"/ 3/4"/ 3/4" | 4.2/ 5.6/ 14/ 25 |

# UL TEST AND DRAIN VALVE

## WORKING PRESSURE : 300psi

## CONNECTION : 1" to 2" THREADED END

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HANTS®

38A STO. DOMINGO AVENUE, BRGY. STO. DOMINGO, QUEZON CITY
Telephone: (02) 8354-3144 / (02) 8395-7674 / (02) 8986-3829
Email: sales@flowmetrics.ph / Website: www.flowmetrics.ph

# Bourdon Tube Pressure Gauges
# Standard Series
# Type IM01

IRON MAN

VOL.01 2017

## Applications

- Fire sprinkler systems
- Suitable for all media that will not obstruct the pressure system or attack copper alloy parts

## Special Features

- UL-listed
- Reliable and economical


UL LISTED

**Bourdon Tube Pressure Gauge Type IM01**

## Standard Features

**Sizes**
4” (100 mm)

**Accuracy class**
± 3/2/3% of span (ASME B40.100 Grade B)

**Ranges**
0/300 psi (water)
0/300 psi (non-corrosive gas)

**Operating temperature**
Ambient: -40°F to 140°F (-40°C to 60°C)
Media: 140°F (+60°C) maximum

**Temperature error**
Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% for every 18°F (10°C) rising or falling. Percentage of span.

**Bourdon tube**
Material: Bronze

**Pressure connection**
Material: Brass
1/4“ NPT

**Movement**
Copper alloy

**Dial**
White aluminum with stop pin

**Pointer**
Black aluminum

**Case**
Carbon Steel or Stainless Steel

**Window**
Snap-in clear polycarbonate