

V2 & V3 Series

Honeywell

Honeywell

Brass & Bronze Valves



Features

Honeywell has developed a complete range of brass and bronze valves in small diameters to cater for use in general utilities, building control systems, as well as industrial applications.

- Our brass and bronze valves consists of ball valves, gate, globe, check and y-strainers, available in sizes ranging from 1/4" to 4" and in pressure ratings A125 or A150 (depending on the valve type).
- The brass valves are manufactured in forged brass, while the bronze valves are manufactured completely from castings.

Technical Data

| | |
|----------------------|---|
| Pressure ratings | : A125, A150 |
| Body materials | : Brass (B124) Bronze (B584) |
| Sizes | : Brass (1/2" to 2") Bronze (1/4" to 4") depending on valve types. |
| Connection standards | : Unless otherwise specified, the threaded connections are available as parallel thread (as per BS 21 or UNI-ISO 7/1) or taper thread (as per ANSI or ASME B 2.1-NPT) on request. |

All dimensions in the data booklet are in mm (where not stated).

General Applications

Honeywell brass and bronze valves have been successfully installed in many general utilities and industrial compounds. Typical media of application would include water, oil and gas, and non-caustic liquid saturated steam, with a temperature range of -20°C to 150°C.

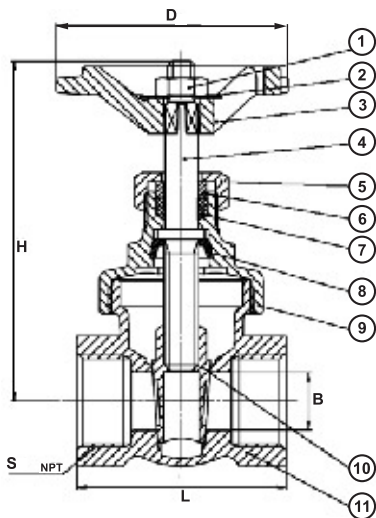
Specific areas of applications range from HVAC control systems in commercial and residential buildings, heating, refrigeration and thermal plants and hydraulic instrumentation systems.

V2 Brass Valves



V3 Bronze Valves





V2-GAN-A125

Gate Valve
Forged brass body and stem,
Non-rising stem, NPT / BSP
threading

Size: ½” to 2”

Nominal Pressure:
125 psi Steam pressure
200 psi Cold working pressure
(Water, Oil or Gas)

Dimensions

| Size (in.) | L | B | H | D |
|------------|------|-------|-------|-----|
| ½” | 46 | 12.85 | 75.8 | 55 |
| ¾” | 50 | 18.6 | 92 | 55 |
| 1” | 55 | 23.5 | 100 | 72 |
| 1 ¼” | 61 | 29.5 | 115.5 | 72 |
| 1 ½” | 63.5 | 36.5 | 129 | 80 |
| 2” | 72 | 49.5 | 153 | 100 |

Materials

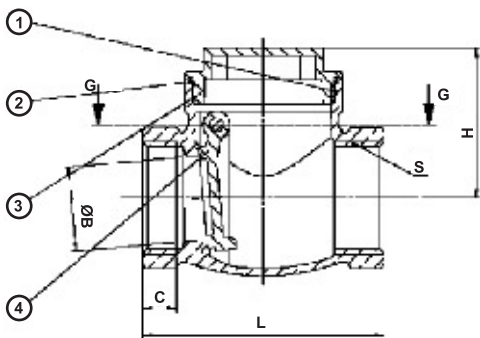
| No. | Description | Material | ASTM |
|-----|---------------|----------------|----------|
| 1 | Wheel Nut | Forged Brass | B124 |
| 2 | Name Plate | Aluminum Plate | |
| 3 | Handwheel | Gray Cast Iron | No. 208B |
| 4 | Stem | Forged Brass | B124 |
| 5 | Pack Nut | Forged Brass | B124 |
| 6 | Gland | Forged Brass | B124 |
| 7 | Packing | Teflon | PTFE |
| 8 | Thrust Sleeve | Forged Brass | B124 |
| 9 | Bonnet | Forged Brass | B124 |
| 10 | Disc | Forged Brass | B124 |
| 11 | Body | Forged Brass | B124 |

V2-CHS-A125

Check Valve
Forged brass body and disc,
Horizontal swing type, NPT /
BSP threading

Size: ½” to 2”

Nominal Pressure:
125 psi Steam pressure
200 psi Cold working pressure
(Water, Oil or Gas)



Dimensions

| Size (in.) | L | C | B | H |
|------------|-----|------|----|------|
| ½” | 55 | 10.0 | 15 | 35.5 |
| ¾” | 61 | 10.0 | 20 | 38.5 |
| 1” | 72 | 10.5 | 25 | 44 |
| 1 ¼” | 82 | 11.9 | 32 | 49 |
| 1 ½” | 92 | 12.9 | 40 | 57.5 |
| 2” | 110 | 15.2 | 50 | 65.5 |

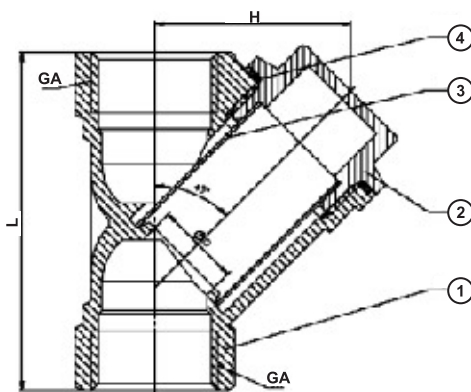
Materials

| No. | Description | Material | ASTM |
|-----|-------------|--------------|------|
| 1 | Body | Forged Brass | B124 |
| 2 | Seal Washer | Teflon | PTFE |
| 3 | Cap | Forged Brass | B124 |
| 4 | Disc | Forged Brass | B124 |
| 5 | Pin | Brass | B16 |
| 6 | Seal Ring | Teflon | PTFE |
| 7 | Bolt | Brass | B16 |



Dimensions

| Size (in.) | L | C | B |
|------------|-----|----|----|
| 1/2" | 56 | 32 | 14 |
| 3/4" | 69 | 41 | 19 |
| 1" | 82 | 49 | 25 |
| 1 1/4" | 90 | 57 | 30 |
| 1 1/2" | 101 | 62 | 38 |
| 2" | 123 | 75 | 48 |



V2-YST-A150

Y-Strainer

Forged brass body, Bolted bonnet cover, Stainless steel 304 perforated screen, NPT / BSP threading

Size: 1/2" to 2"

Nominal Pressure:

125 psi Steam pressure
300 psi Cold working pressure
(Water, Oil or Gas)

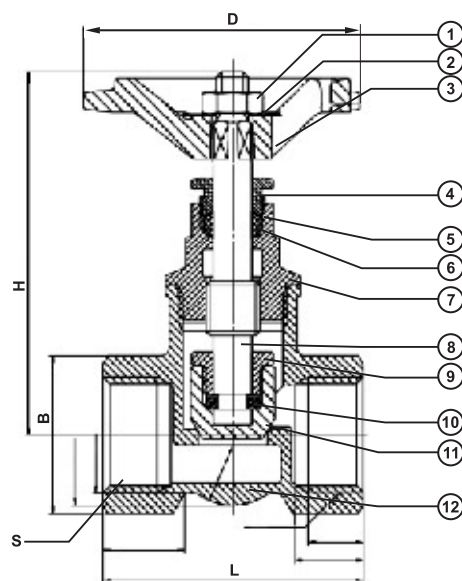
Materials

| No. | Description | Material | ASTM |
|-----|----------------|-----------------|----------|
| 1 | Body | Forged Brass | B124 |
| 2 | Bonnet | Forged Brass | B124 |
| 3 | Filter | Stainless Steel | AISI 304 |
| 4 | Sealing Washer | Teflon | PTFE |



Dimensions

| Size (in.) | L | H | B | D |
|------------|-----|-----|------|-----|
| 1/2" | 48 | 68 | 29 | 55 |
| 3/4" | 58 | 74 | 36 | 55 |
| 1" | 66 | 85 | 43 | 72 |
| 1 1/4" | 78 | 97 | 54 | 80 |
| 1 1/2" | 84 | 109 | 60.5 | 80 |
| 2" | 104 | 125 | 74 | 100 |



V2-GLO-A125

Globe Valve

Forged brass body, Screw in bonnet, Rising Stem, NPT / BSP threading

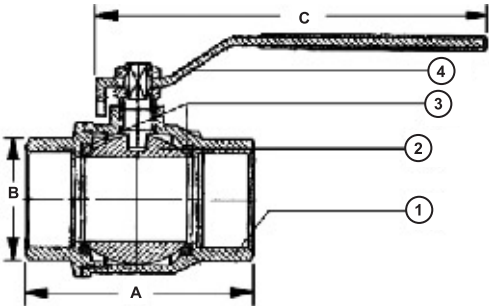
Size: 1/2" to 2"

Nominal Pressure:

125 psi Steam pressure
200 psi Cold working pressure
(Water, Oil or Gas)

Materials

| No. | Description | Material | ASTM |
|-----|-------------|-------------------|--------------|
| 1 | Wheel Nut | Forged Brass | B124 |
| 2 | Name Plate | Aluminum Plate | |
| 3 | Handwheel | Gray Cast Iron | NO. 208B |
| 4 | Pack Nut | Forged Brass | B124 |
| 5 | Gland | Forged Brass | B124 |
| 6 | Packing | Expanded Graphite | Non asbestos |
| 7 | Bonnet | Forged Brass | B124 |
| 8 | Stem | Forged Brass | B124 |
| 9 | Lock Nut | Forged Brass | B124 |
| 10 | Disc | Forged Brass | B124 |
| 11 | Seat | Forged Brass | B124 |
| 12 | Body | Forged Brass | B124 |



V2-BAF-A600

Ball Valve
Forged brass body, Chrome plating ball, Full bore design, Teflon seat

Size: ¼” to 2” (NPT thread)

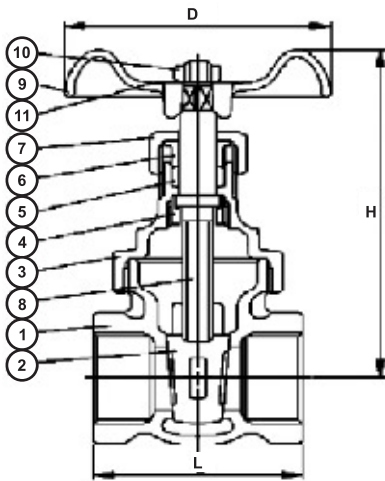
Nominal Pressure:
150 psi Steam pressure
600 psi Cold working pressure
 (Water, Oil or Gas)

Dimensions

| Size (in.) | A | B | C |
|------------|-------|------|-------|
| ¼" | 45.0 | 20.0 | 108.0 |
| 3/8" | 45.0 | 20.0 | 110.0 |
| ½" | 49.0 | 25.0 | 110.0 |
| ¾" | 65.0 | 31.0 | 140.0 |
| 1" | 75.0 | 38.0 | 140.0 |
| 1 ¼" | 85.0 | 48.0 | 175.0 |
| 1 ½" | 95.0 | 55.0 | 175.0 |
| 2" | 113.0 | 67.0 | 180.0 |

Materials

| No. | Description | Material | ASTM |
|-----|-------------|---------------------|------|
| 1 | Body | Forged Brass | B124 |
| 2 | Ball | Forged Brass | B124 |
| 3 | Seat | Teflon | PTFE |
| 4 | Handle | Chrome Plated Steel | A36 |



V3-GAN-A125

Gate Valve
Bronze body, Screw over bonnet, Non-rising stem, NPT threading

Size: 1/4" to 4"

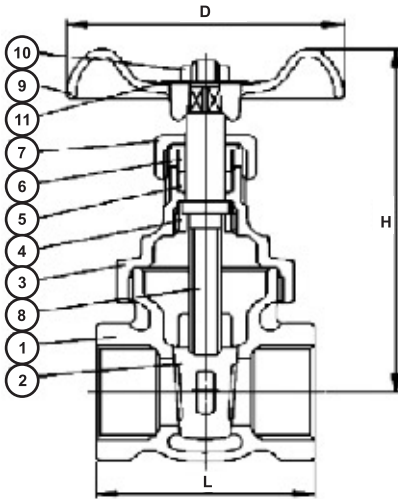
Nominal Pressure:
125 psi Steam pressure
200 psi Cold working pressure
(Water, Oil or Gas)

Dimensions

| Size (in.) | D | H | L |
|------------|-------|-------|-------|
| 1/4" | 48.0 | 74.5 | 44.0 |
| 3/8" | 48.0 | 74.5 | 44.0 |
| 1/2" | 48.0 | 76.5 | 46.0 |
| 3/4" | 57.5 | 90.0 | 50.0 |
| 1" | 57.5 | 105.0 | 55.0 |
| 1 1/4" | 77.0 | 120.0 | 60.0 |
| 1 1/2" | 77.0 | 138.0 | 63.5 |
| 2" | 92.0 | 158.0 | 71.5 |
| 2 1/2" | 100.0 | 196.0 | 88.5 |
| 3" | 120.0 | 217.0 | 100.0 |
| 4" | 142.0 | 257.0 | 117.0 |

Materials

| No. | Description | Material | ASTM |
|-----|--------------|----------------------|------|
| 1 | Body | Cast bronze | B584 |
| 2 | Disc | Cast bronze | B584 |
| 3 | Bonnet | Cast bronze | B584 |
| 4 | Locknut | Brass | B16 |
| 5 | Stem packing | Teflon | PTFE |
| 6 | Gland | Brass | B16 |
| 7 | Packing nut | Brass | B16 |
| 8 | Stem | Brass | B16 |
| 9 | Handwheel | Aluminum die casting | B85 |
| 10 | Wheel Nut | Steel | A563 |
| 11 | Name plate | Aluminum | B209 |



V3-GAN-A150

Gate Valve
Bronze body, Screw over bonnet, Non-rising stem, NPT threading

Size: 1/2" to 2"

Nominal Pressure:
150 psi Steam pressure
300 psi Cold working pressure
(Water, Oil or Gas)

Dimensions

| Size (in.) | D | H | L |
|------------|------|-------|------|
| 1/2" | 48.0 | 78.0 | 47.5 |
| 3/4" | 57.5 | 94.0 | 51.5 |
| 1" | 67.0 | 109.0 | 58.6 |
| 1 1/4" | 77.0 | 120.0 | 63.0 |
| 1 1/2" | 83.0 | 142.0 | 66.5 |
| 2" | 92.0 | 163.0 | 73.5 |

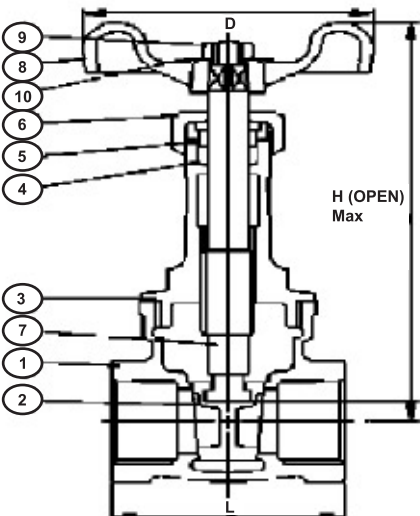
Materials

| No. | Description | Material | ASTM |
|-----|--------------|----------------------|------|
| 1 | Body | Cast bronze | B584 |
| 2 | Disc | Cast bronze | B584 |
| 3 | Bonnet | Cast bronze | B584 |
| 4 | Locknut | Brass | B16 |
| 5 | Stem packing | Teflon | PTFE |
| 6 | Gland | Brass | B16 |
| 7 | Packing nut | Brass | B16 |
| 8 | Stem | Brass | B16 |
| 9 | Handwheel | Aluminum die casting | B85 |
| 10 | Wheel Nut | Steel | A563 |
| 11 | Name plate | Aluminum | B209 |



Dimensions

| Size (in.) | D | H | L |
|------------|------|-------|------|
| ½" | 53.0 | 117.0 | 44.0 |
| ¾" | 64.0 | 140.0 | 49.0 |
| 1" | 74.0 | 167.0 | 54.0 |
| 1 ¼" | 80.0 | 195.0 | 60.0 |
| 1 ½" | 87.0 | 222.0 | 64.0 |
| 2" | 87.0 | 264.0 | 72.0 |



V3-GAR-A150

Gate Valve
Bronze body, Screw in bonnet,
Rising stem, NPT threading

Size: ½" to 2"

Nominal Pressure:
150 psi Steam pressure
300 psi Cold working pressure
(Water, Oil or Gas)

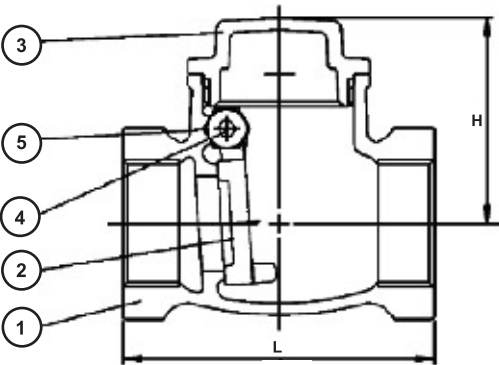
Materials

| No. | Description | Material | ASTM |
|-----|--------------|-------------|------|
| 1 | Body | Cast bronze | B584 |
| 2 | Disc | Cast bronze | B584 |
| 3 | Bonnet | Cast bronze | B584 |
| 4 | Stem packing | Teflon | PTFE |
| 5 | Gland | Brass | B16 |
| 6 | Packing nut | Brass | B16 |
| 7 | Stem | Brass | B16 |
| 8 | Handwheel | Cast iron | A126 |
| 9 | Wheel nut | Steel | A563 |
| 10 | Name plate | Steel | B209 |



Dimensions

| Size (in.) | H | L |
|------------|------|-------|
| ½" | 39.5 | 57.0 |
| ¾" | 42.5 | 61.0 |
| 1" | 50.0 | 70.0 |
| 1 ¼" | 55.0 | 82.0 |
| 1 ½" | 60.0 | 92.0 |
| 2" | 69.0 | 110.0 |



V3-CHS-A125

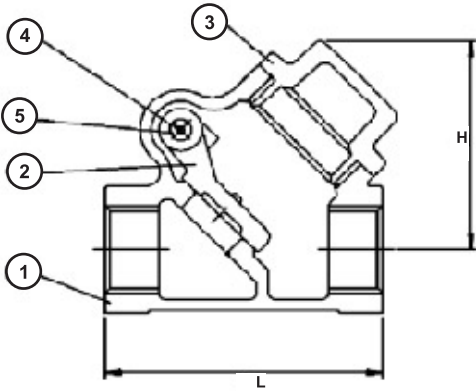
Check Valve
Bronze body and disc, Screw
in bonnet, Horizontal swing
type, NPT threading

Size: ½" to 2"

Nominal Pressure:
125 psi Steam pressure
200 psi Cold working pressure
(Water, Oil or Gas)

Materials

| No. | Description | Material | ASTM |
|-----|-------------|-------------|------|
| 1 | Body | Cast Bronze | B584 |
| 2 | Disc | Cast Bronze | B584 |
| 3 | Cap | Cast Bronze | B584 |
| 4 | Hanger Pin | Brass | B16 |
| 5 | Plug | Brass | B16 |



V3-CHS-A150

Check Valve
Bronze body and disc, Screw in bonnet, 45 degree swing type, NPT threading

Size: 1/2" to 2"

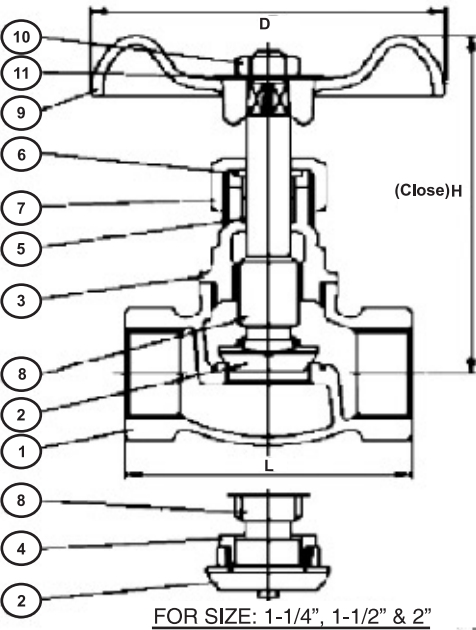
Nominal Pressure:
150 psi Steam pressure
300 psi Cold working pressure
(Water, Oil or Gas)

Dimensions

| Size (in.) | H | L |
|------------|------|-------|
| 1/2" | 42.5 | 56.0 |
| 3/4" | 51.0 | 70.5 |
| 1" | 58.0 | 58.0 |
| 1 1/4" | 68.0 | 96.5 |
| 1 1/2" | 78.0 | 110.0 |
| 2" | 96.0 | 129.0 |

Materials

| No. | Description | Material | ASTM |
|-----|-------------|-------------|------|
| 1 | Body | Cast Bronze | B584 |
| 2 | Disc | Cast Bronze | B584 |
| 3 | Cap | Cast Bronze | B584 |
| 4 | Hanger Pin | Brass | B16 |
| 5 | Plug | Brass | B16 |



V3-GLO-A125

Globe Valve
Bronze body, Screw in bonnet
Rising stem, NPT threading

Size: 1/4" to 2"

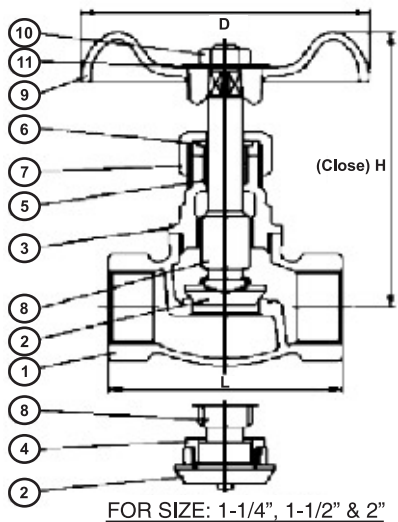
Nominal Pressure:
125 psi Steam pressure
200 psi Cold working pressure
(Water, Oil or Gas)

Dimensions

| Size (in.) | D | H | L |
|------------|------|-------|------|
| 1/4" | 53.0 | 70.0 | 45.0 |
| 3/8" | 53.0 | 70.0 | 46.0 |
| 1/2" | 53.0 | 70.0 | 49.0 |
| 3/4" | 57.5 | 70.0 | 56.0 |
| 1" | 64.0 | 87.0 | 65.0 |
| 1 1/4" | 74.0 | 94.0 | 75.0 |
| 1 1/2" | 74.0 | 104.0 | 84.0 |
| 2" | 87.0 | 124.0 | 99.0 |

Materials

| No. | Description | Material | ASTM |
|-----|----------------|----------------------|------|
| 1 | Body | Cast bronze | B584 |
| 2 | Disc 1/4" – 1" | Brass | B16 |
| | 1 1/4" – 2" | Cast bronze | B584 |
| 3 | Bonnet | Cast bronze | B584 |
| 4 | Locknut | Brass | B16 |
| 5 | Stem packing | Teflon | PTFE |
| 6 | Gland | Brass | B16 |
| 7 | Packing nut | Brass | B16 |
| 8 | Stem | Brass | B16 |
| 9 | Handwheel | Aluminum die casting | B85 |
| 10 | Wheel Nut | Steel | A563 |
| 11 | Name plate | Aluminum | B209 |



V3-GLO-A150

Globe Valve
Bronze body, Screw in bonnet
Rising stem, NPT threading

Size: 1/4" to 2"

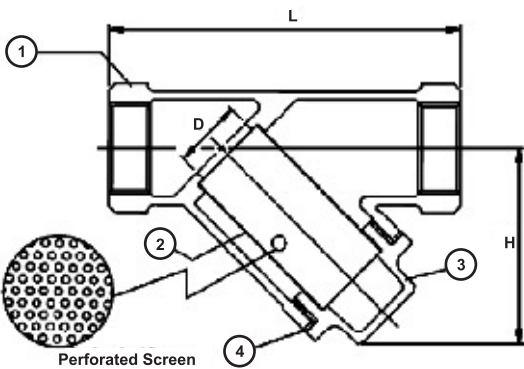
Nominal Pressure:
150 psi Steam pressure
300 psi Cold working pressure
(Water, Oil or Gas)

Dimensions

| Size (in.) | D | H | L |
|------------|------|-------|------|
| 1/4" | 53.0 | 70.0 | 45.0 |
| 3/8" | 53.0 | 70.0 | 46.0 |
| 1/2" | 53.0 | 70.0 | 49.0 |
| 3/4" | 57.5 | 70.0 | 56.0 |
| 1" | 64.0 | 87.0 | 65.0 |
| 1 1/4" | 74.0 | 94.0 | 75.0 |
| 1 1/2" | 74.0 | 104.0 | 84.0 |
| 2" | 87.0 | 124.0 | 99.0 |

Materials

| No. | Description | Material | ASTM |
|-----|----------------|----------------------|------|
| 1 | Body | Cast bronze | B584 |
| 2 | Disc 1/4" – 1" | Brass | B16 |
| | 1 1/4" – 2" | Cast bronze | B584 |
| 3 | Bonnet | Cast bronze | B584 |
| 4 | Locknut | Brass | B16 |
| 5 | Stem packing | Teflon | PTFE |
| 6 | Gland | Brass | B16 |
| 7 | Packing nut | Brass | B16 |
| 8 | Stem | Brass | B16 |
| 9 | Handwheel | Aluminum die casting | B85 |
| 10 | Wheel Nut | Steel | A563 |
| 11 | Name plate | Aluminum | B209 |



V3-YST-A150

Strainer Valve
Bronze body, Screw in bonnet
Rising stem, 304 S.S.
perforated sheet mesh 20, NPT
threading

Size: 1/2" to 2"

Nominal Pressure:
150 psi Steam pressure
300 psi Cold working pressure
(Water, Oil or Gas)

Dimensions

| Size (in.) | D | H | L |
|------------|------|-------|-------|
| 1/2" | 14.0 | 48.0 | 80.0 |
| 3/4" | 19.0 | 58.0 | 100.0 |
| 1" | 25.0 | 70.0 | 115.0 |
| 1 1/4" | 31.0 | 80.0 | 160.0 |
| 1 1/2" | 38.1 | 93.0 | 160.0 |
| 2" | 50.0 | 112.0 | 190.0 |

Materials

| No. | Description | Material | ASTM |
|-----|-------------|-----------------|-----------------|
| 1 | Body | Cast bronze | B584 |
| 2 | Screen | Stainless steel | 304 |
| 3 | Cap | Cast bronze | B584 |
| 4 | Gasket | Non-asbestos | Blue Guard 3000 |

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The Honeywell logo, consisting of the word "Honeywell" in a bold, red, sans-serif font.

For further information, a quotation or a demonstration please contact our nearest Honeywell office or local distributor.

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