

# CSH SANITARY HOUSINGS



## Applications

- \* Wine
- \* Beer
- \* Juices
- \* Vinegar
- \* Soft Drinks
- \* Bottled Water
- \* Process Water
- \* Aseptic Packaged Liquids
- \* Pharmaceutical Liquids
- \* Chemical Filtration
- \* Vent Filtration

CSH sanitary housings have been designed for high purity and critical applications. single cartridge sanitary housings are available in T-style or Inline configurations and offered in lengths from 5 through 40 inches. multi cartridge sanitary housings, available in 3,6,8,12 and 21 round models with swing bolt closures that are a proven design suited for high purity beverage, chemical and pharmaceutical applications. All are manufactured in 316L Stainless Steel with a 25 RA internal finish.

CSH housings are standard with 2-226 style cartridge adaptors giving you a positive locking tab seal. This allows flexibility in one housing to use different cartridge lengths and maximize filter performance and cost.

Please select the model below for detailed specifications and drawings.

Standard Features:

- \* Food Grade Silicone Gaskets
- \* No internal threaded parts that come in contact with the process fluid
- \* 2-226 style cartridges adaptors
- \* 1/2" sanitary vent and drain ports with clamp and blank plates
- \* All multi round housings have a removable tube sheet so that all surfaces are cleanable.

## Model Selection

| Model        | Single Cartridge<br>CSHI & CSHT | Multi Cartridge<br>CSH |
|--------------|---------------------------------|------------------------|
| Material     | 316L Stainless Steel            | 316L Stainless Steel   |
| Number Round | 1                               | 3, 6, 8, 12            |
| Style        | Inline and T                    | T                      |



## *CSH series*

### *Single Cartridge Sanitary Housings*

#### *Inline & T-Style*

Distributed by: John Mulhern Company      800 76-9201    707 578-5105  
 PO Box 6604 Santa Rosa, CA 95406    fx 707 578-5105    info@jmulhern.com

CSH single cartridge sanitary housings are available in T-style or Inline configurations and offered in lengths from 5 through 40 inches. Sanitary clamp closures are a proven design suited for high purity beverage, chemical and pharmaceutical applications. They are manufactured in 316L Stainless Steel with a 25 RA internal finish. All CSH housings are standard with 2-226 style cartridge adaptors allowing a positive locking tab seal. This gives flexibility in one housing to use different cartridge lengths and maximize filter performance and cost. CSH housings have no internal threaded parts that come in contact with the process fluid and are standard with food grade silicone gaskets. 1" sanitary gauge port tops with 1/2" sanitary vent and drain ferrules are standard features. Each vent and drain port is standard with solid cap, silicone gasket and clamp.



#### Maximum Operating Parameters

**Maximum Pressure:** ..... 150 PSI (10 bar)

**Maximum Operating Temperature:** ..... 230°F (110°C)

#### Dimensions

Complete and detailed line drawings are available upon request. Please contact Critical Process Filtration with the model number and specifications you require.

#### Standard Specifications

This is to give you an overview of our standard product, please see reverse for options and ordering information.

| Model   | Number Round | Length of Cartridge | Inlet / Outlet | Drains  | Gauge Port With Vent | Max Ctg Diameter | Gaskets  | Mounting Legs | Cartridge Seal 2-226 / Tabs |
|---------|--------------|---------------------|----------------|---------|----------------------|------------------|----------|---------------|-----------------------------|
| CSH115  | 1            | 5"                  | 1 1/2" TC      | 1/2" TC | Vent 1/2" TC         | 2 3/4"           | Silicone | NA            | Yes                         |
| CSH111  | 1            | 10"                 | 1 1/2" TC      | 1/2" TC | Vent 1/2" TC         | 2 3/4"           | Silicone | NA            | Yes                         |
| CSH112  | 1            | 20"                 | 1 1/2" TC      | 1/2" TC | Vent 1/2" TC         | 2 3/4"           | Silicone | NA            | Yes                         |
| CSH113  | 1            | 30"                 | 1 1/2" TC      | 1/2" TC | Vent 1/2" TC         | 2 3/4"           | Silicone | NA            | Yes                         |
| CSH114  | 1            | 40"                 | 1 1/2" TC      | 1/2" TC | Vent 1/2" TC         | 2 3/4"           | Silicone | NA            | Yes                         |
| CSHT115 | 1            | 5"                  | 1" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSHT111 | 1            | 10"                 | 1" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSHT112 | 1            | 20"                 | 1" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSHT113 | 1            | 30"                 | 1" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSHT114 | 1            | 40"                 | 1" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |

**Vent & Drain Twist Valve Option**



**Total Performance**

Critical Process Filtration, Inc.® is a vertically integrated supplier of filtration products and services to industries in which filtration is considered to be a critical part of the manufacturing process. We manufacture a complete line of products to help you achieve all your filtration requirements from a single source.

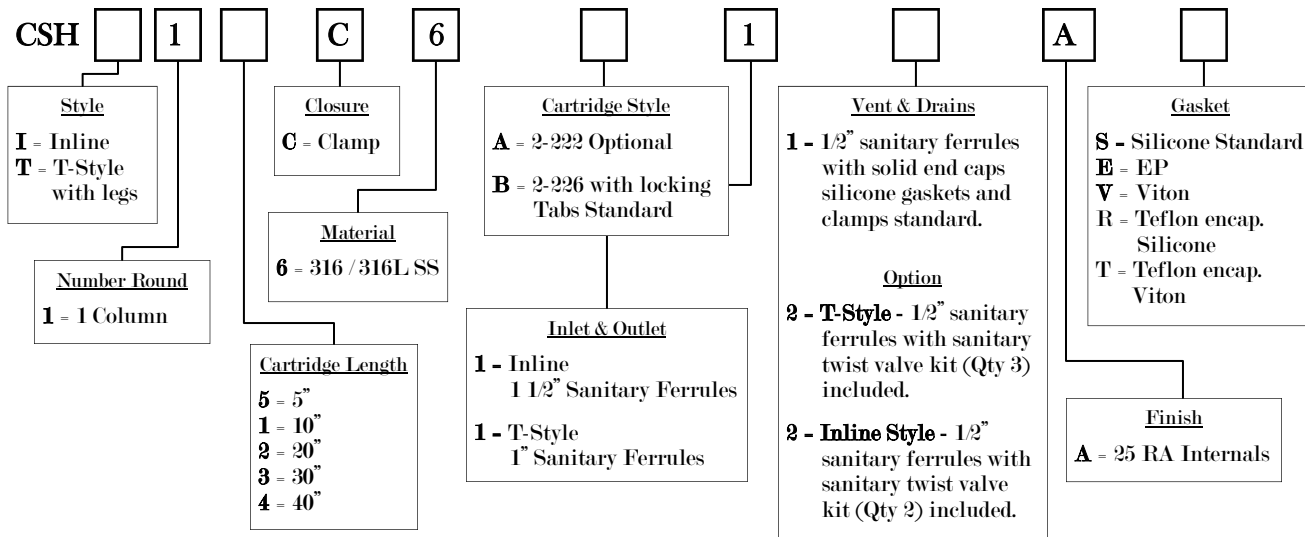


**NOTE**

Please contact Critical Process Filtration for other options or special requirements.

**Ordering Information**

The housing catalog number is made up of several variable characters i.e. housing style, length, cartridge style, gasket material and others below. For example: a 1 round, T-style, 30" length, clamp closure, 316L SS, 2-226 seal, 1" ferrules, with legs, 25 RA internal finish with Silicone gasket would be designated as: CSHT13C6B11AS





## CSH series

### Multi Cartridge Sanitary Housings 3 Through 21 Round

Distributed by: John Mulhern Company  
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Santa Rosa, Ca 95406

800 761-9201 707 578-5105  
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**CSH** multi cartridge sanitary housings, available in 3,6,8,12 and 21 round models with swing bolt closures are a proven design suited for high purity beverage, chemical and pharmaceutical applications. They are manufactured in 316L Stainless Steel with a 25 RA internal finish. All CSH housings are standard with 2-226 style cartridge adaptors giving you a positive locking tab seal. This allows flexibility in one housing to use different cartridge lengths and maximize filter performance and cost. Designed with a removable tube sheet for maximum cleaning and sanitary performance. CSH housings have no internal threaded parts that come in contact with the process fluid each housing is standard with a spring loaded hold down plate and are standard with food grade silicone gaskets. 1" sanitary gauge port tops with 1/2" sanitary vent and drain ferrules are standard features. Each vent and drain port is standard with solid cap, silicone gasket and clamp.



### Maximum Operating Parameters

**Maximum Pressure:** ..... 150 PSI (10 bar)

**Maximum Operating Temperature:** ..... 230°F (110°C)

### Dimensions

Complete and detailed line drawings are available upon request. Please contact Critical Process Filtration with the model number and specifications you require.

### Standard Specifications

This is to give you an overview of our standard product, please see reverse for options and ordering information.

| Model  | Number Round | Length of Cartridge | Inlet / Outlet | Drains  | Gauge Port With Vent | Max Ctg Diameter | Gaskets  | Mounting Legs | Cartridge Seal 2-226 / Tabs |
|--------|--------------|---------------------|----------------|---------|----------------------|------------------|----------|---------------|-----------------------------|
| CSH32  | 3            | 20"                 | 2" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH33  | 3            | 30"                 | 2" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH34  | 3            | 40"                 | 2" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH63  | 6            | 30"                 | 2" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH64  | 6            | 40"                 | 2" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH83  | 8            | 30"                 | 2" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH84  | 8            | 40"                 | 2" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH123 | 12           | 30"                 | 3" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH124 | 12           | 40"                 | 3" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH213 | 21           | 30"                 | 4" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |
| CSH214 | 21           | 40"                 | 4" TC          | 1/2" TC | 1" TC / 1/2" TC      | 2 3/4"           | Silicone | Yes           | Yes                         |

## Vent & Drain Twist Valve Option



## Hold Down Plate / Removable Tube Sheet



## Total Performance

Critical Process Filtration, Inc. is a vertically integrated supplier of filtration products and services to industries in which filtration is considered to be a critical part of the manufacturing process. We manufacture a complete line of products to help you achieve all your filtration requirements from a single source.



## Note

Please contact Critical Process Filtration for other options or special requirements.

## Ordering Information

The housing catalog number is made up of several variable characters i.e. number round, length, cartridge style, gasket material and others below. For example: a 3 round, 30" length, swing bolt closure, 316L SS, 2-226 seal, 2" ferrules, welded legs, 25 RA internal finish with Silicone gasket would be designated as: CSH3356B21AS

