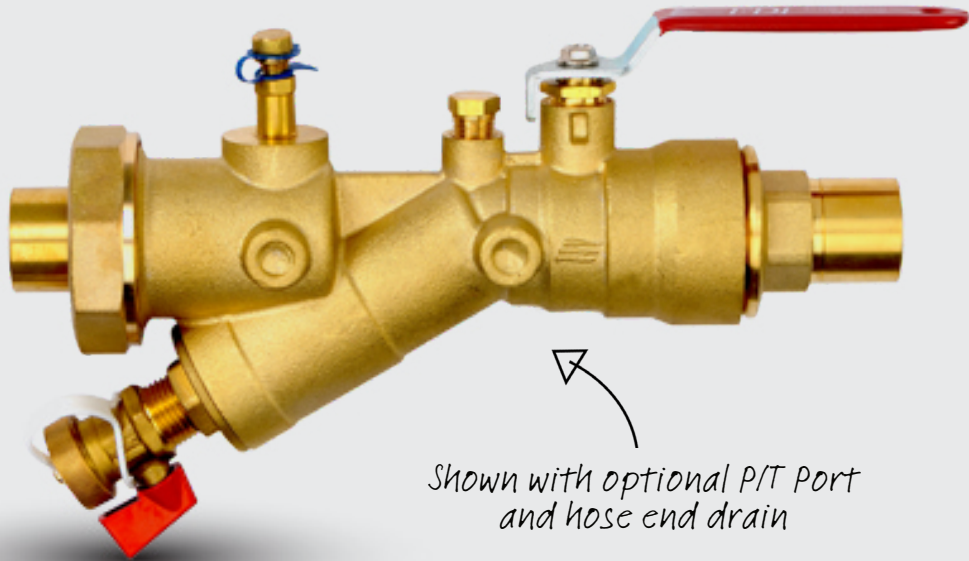


# YC SBS



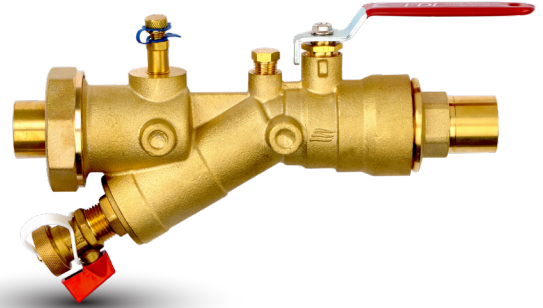
## Hook-up Components

Y-strainer, ball valve, union with stainless steel ball and stem

Engineering  
**GREAT** Solutions

# YC SBS

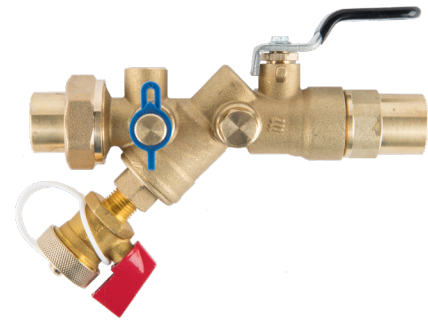
Combination ball valve, y-strainer and union with up to five (5) accessory port locations. 20 mesh stainless steel strainer is removable from the valve body for inspection and cleaning without breaking the main piping. The ball valve has PTFE packing, brass packing nut and blowout-proof stem, large diameter stainless steel ball, stem and a full size steel handle with vinyl grip. The union has a EPDM "O"-ring and tailpiece available in M, F, and S connections. Ball valve end only available in FPT or SWT. One size reduction available for union section. Port 1 available with maximum 1/2" tap for bypass line (option T2).



*Both valves shown with optional P/T Port and hose end drain*

# YCR SBS

Compact, Y-shaped combination ball valve, strainer and union with four accessory port locations.



## Key features

- > **Combination Valve**  
Reduces field connections and total installed size
- > **Removable Strainer**  
Ease of inspection/cleaning
- > **Multiple Ports**  
Configure exactly what you need

## Technical description

**Application:**  
Coil Isolation and Protection

**Dimensions:**  
1/2" - 2"

**Material:**  
Body: DZR Brass  
Strainer: 20 mesh stainless steel

**Functions:**  
Union, strainer, ball valve

**Pressure class:**  
400 psig at 250° F (25 Bar at 120° C)

## Connections

### YC SBS

Model	Size in./(mm)	Fixed Conn. (Inlet) in./(mm)	Union Conn. (Outlet) in./(mm)
YCSBS050	1/2 (15)	1/2 (15) S, F	1/2 (15) F, M, S
			3/4 (20) F, M, S
YCSBS075	3/4 (20)	3/4 (20) S, F	1/2 (15) F, M, S
			3/4 (20) F, M, S
			1 (25) M, S
YCSBS100	1 (25)	1 (25) S, F	1/2 (15) M, S
			3/4 (20) F, M, S
			1 (25) F, M, S
			1 1/4 (32) F, M, S
YCSBS125	1 1/4 (32)	1 1/4 (32) S, F	1/2 (15) M, S
			3/4 (20) F, M, S
			1 (25) F, M, S
			1 1/4 (32) F, M, S
YCSBS150	1 1/2 (40)	1 1/2 (40) S, F	1 1/2 (40) M, S
			1 (25) F, M, S
			1 1/4 (32) F, M, S
YCSBS200	2 (50)	2 (50) S, F	1 1/2 (40) F, M, S
			2 (50) F, M, S
			1 1/4 (32) F, M, S
			1 1/2 (40) F, M, S

### YCR SBS

Model	Size in./(mm)	Fixed Conn. (Inlet) in./(mm)	Union Conn. (Outlet) in./(mm)
YCRSBS050	1/2 (15)	1/2 (15) S, F	1/2 (15) F, M, S
			3/4 (20) F, M, S
YCRSBS075	3/4 (20)	3/4 (20) S, F	1/2 (15) F, M, S
			3/4 (20) F, M, S
			1 (25) M, S
YCRSBS100*	1 (25)	1 (25) S, F	3/4 (20) F, M, S
			1 (25) M, S
			3/4 (20) F, M, S
			1 (25) F, M, S
YCRSBS150*	1 1/2 (40)	1 1/2 (40) S, F	1 1/4 (32) F, M, S
			1 1/2 (40) M, S
			1 1/2 (40) F, M, S

**S** = sweat      **F** = female NPT      **M** = male NPT

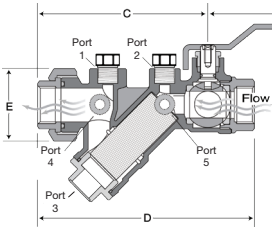
#### Notes

T2 bypass not available for sizes 1/2 & 3/4

\*Denotes female thread not available on union end.

## Articles

### YC SBS



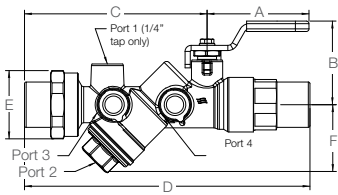
#### Dimensions

Model	Size	A	B	C	D	E	Strainer Basket area in <sup>2</sup>
	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	
YCSBS050	1/2 (15)	4.1 (103)	2.0 (52)	4.8 (122)	6.7 (169)	2.1 (53)	7.5
YCSBS075	3/4 (20)	4.1 (103)	2.0 (52)	4.9 (124)	6.7 (170)	2.1 (53)	7.5
YCSBS100	1 (25)	4.7 (119)	2.7 (68)	6.6 (169)	9.5 (241)	2.8 (71)	14.2
YCSBS125	1 1/4 (32)	4.7 (119)	2.7 (68)	6.6 (169)	9.6 (245)	2.8 (71)	14.2
YCSBS150	1 1/2 (40)	5.6 (141)	3.6 (93)	8.4 (212)	11.7 (297)	3.8 (97)	26.7
YCSBS200	2 (50)	5.6 (141)	3.6 (93)	8.5 (217)	12.0 (305)	3.8 (97)	26.7

#### Notes

Dimensions based on F X F connections and will vary with mixed options/connections  
 Dimensions are subject to minor changes

### YCR SBS



#### Dimensions

Model	Size	A	B	C	D	E	F	Strainer Basket area in <sup>2</sup>
	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	
YCRSBS050	1/2 (15)	2.3 (58)	1.9 (48)	4.0 (102)	6.0 (152)	1.6 (41)	1.5 (38)	3.0
YCRSBS075	3/4 (20)	2.3 (58)	1.9 (48)	4.1 (104)	6.5 (165)	1.6 (41)	1.5 (38)	3.0
YCRSBS100	1 (25)	4.1 (103)	2.0 (52)	5.5 (140)	7.6 (192)	2.1 (53)	1.97 (50)	7.5
YCRSBS150	1 1/2 (40)	4.7 (119)	2.7 (68)	7.9 (200)	10.7 (273)	2.8 (71)	2.64 (67)	14.2

#### Notes

Dimensions based on S X S connections and will vary with mixed options/connections.  
 Dimensions are subject to minor changes.

## Weight / Cv

### YC SBS

Model	Weight		Cv (Kv)
	lb./(kg)		
YCSBS050	2.3	(1.05)	7.9 (6.8)
YCSBS075	2.3	(1.06)	8.8 (7.6)
YCSBS100	5.9	(2.66)	19.7 (17.0)
YCSBS125	5.8	(2.64)	20.4 (17.6)
YCSBS150	14.8	(6.72)	52.7 (45.6)
YCSBS200	14.8	(6.63)	55.1 (47.7)

#### Notes

Weights based on F X F connections and will vary with mixed options/connections

Weights are subject to minor changes

Cv's based on a clean 20 mesh stainless steel strainer

See operation manual for Installation and Maintenance F033

### YCR SBS

Model	Weight		Cv (Kv)
	lb./(kg)		
YCRSBS050	1.5	(0.68)	5.7 (4.9)
YCRSBS075	1.5	(0.73)	5.7 (4.9)
YCRSBS100	2.3	(1.06)	508.8 (7.6)
YCRSBS150	6.4	(2.93)	20.4 (17.6)

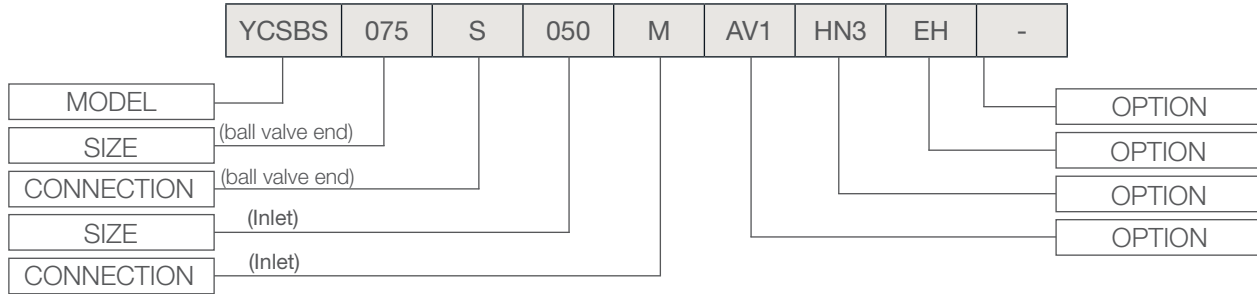
#### Notes

Weights based on S X S connections and will vary with mixed options/connections.

Weights are subject to minor changes.

Cv's based on a clean 20 mesh stainless steel strainer

## Model Order Designation



**S** = female sweat    **F** = female NPT    **M** = male npt

## Options

<b>AA</b> Automatic Air Vent	<b>PL</b> Plug
<b>AV</b> Manual Air Vent	<b>PP</b> Propress®
<b>EH</b> Extended Handle	<b>SE</b> Stem Extender
<b>HN</b> Hose End Drain Valve with Cap	<b>T2</b> 1/2" F Tap
<b>MI</b> Metal ID Tag	<b>T4</b> 1/4" F Tap
<b>PI</b> Plastic ID Tag	<b>XL</b> Ext. P/T Port



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