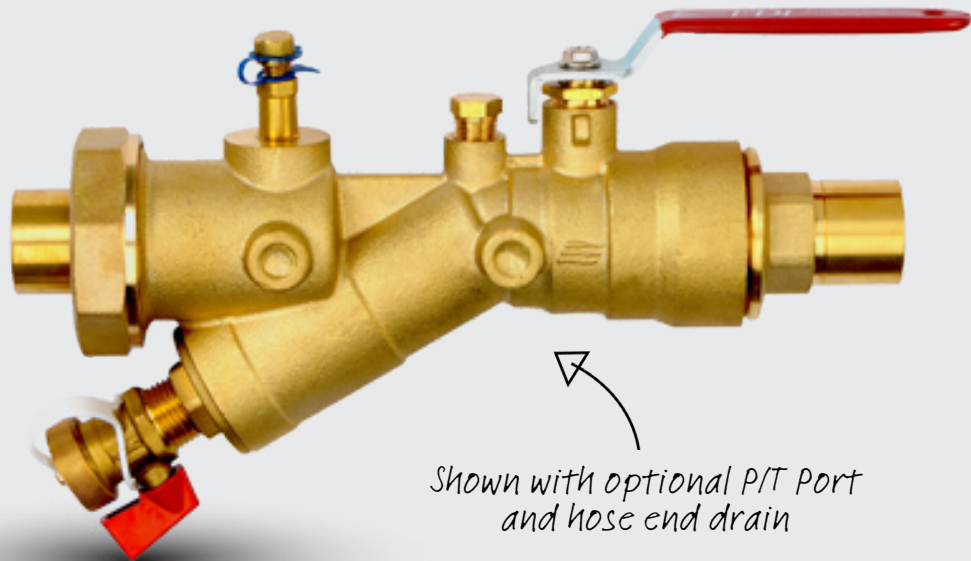


YC



*Shown with optional P/T Port
and hose end drain*

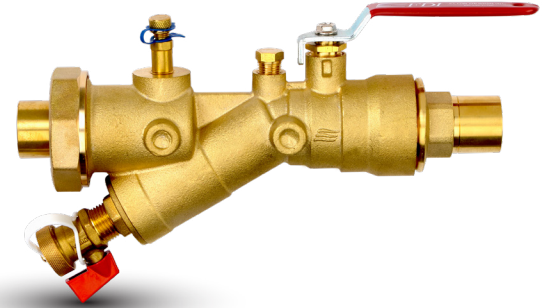
Hook-up Components

Y-strainer, ball valve and union

*Engineering
GREAT Solutions*

YC

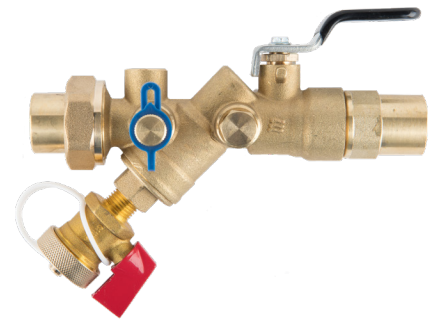
Combination ball valve, y-strainer and union with up to five (5) accessory port locations. 20 mesh stainless steel strainer is removable from the valve body for inspection and cleaning without breaking the main piping. The ball valve has PTFE packing, brass packing nut and blowout-proof stem, large diameter plated ball 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

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

Model	Size in./(mm)	Fixed Conn. (Inlet) in./(mm)	Union Conn. (Outlet) in./(mm)
YC0050	1/2 (15)	1/2 (15) S, F	1/2 (15) F, M, S
			3/4 (20) F, M, S
YC0075	3/4 (20)	3/4 (20) S, F	1/2 (15) F, M, S
			3/4 (20) F, M, S
			1 (25) M, S
YC0100	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
YC0125	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
YC0150	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
			1 1/2 (40) F, M, S
YC0200	2 (50)	2 (50) S, F	2 (50) F, M, S
			1 1/4 (32) F, M, S
			1 1/2 (40) F, M, S
			2 (50) F, M, S

YCR

Model	Size in./(mm)	Fixed Conn. (Inlet) in./(mm)	Union Conn. (Outlet) in./(mm)
YCR0050	1/2 (15)	1/2 (15) S, F	1/2 (15) F, M, S
			3/4 (20) F, M, S
YCR0075	3/4 (20)	3/4 (20) S, F	1/2 (15) F, M, S
			3/4 (20) F, M, S
			1 (25) M, S
YCR0100*	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
YCR0150*	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

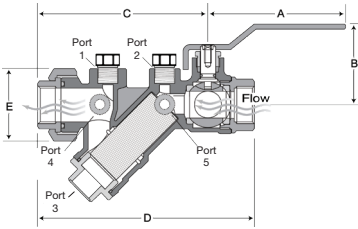
Notes

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

*Denotes female thread not available on union end.

Articles

YC

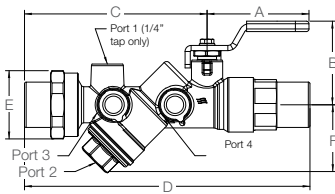


Dimensions

Model	Size	A	B	C	D	E	Strainer Basket area in ²
	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	
YC0050	1/2 (15)	4.1 (103)	2.0 (52)	4.8 (122)	6.7 (169)	2.1 (53)	7.5
YC0075	3/4 (20)	4.1 (103)	2.0 (52)	4.9 (124)	6.7 (170)	2.1 (53)	7.5
YC0100	1 (25)	4.7 (119)	2.7 (68)	6.6 (169)	9.5 (241)	2.8 (71)	14.2
YC0125	1 1/4 (32)	4.7 (119)	2.7 (68)	6.6 (169)	9.6 (245)	2.8 (71)	14.2
YC0150	1 1/2 (40)	5.6 (141)	3.6 (93)	8.4 (212)	11.7 (297)	3.8 (97)	26.7
YC0200	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

Dimensions

Model	Size	A	B	C	D	E	F	Strainer Basket area in ²
	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	in./(mm)	
YCR0050	1/2 (15)	2.3 (58)	1.9 (48)	4.0 (102)	6.0 (152)	1.6 (41)	1.5 (38)	3.0
YCR0075	3/4 (20)	2.3 (58)	1.9 (48)	4.1 (104)	6.5 (165)	1.6 (41)	1.5 (38)	3.0
YCR0100	1 (25)	4.1 (103)	2.0 (52)	5.5 (140)	7.6 (192)	2.1 (53)	1.97 (50)	7.5
YCR0150	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

Model	Weight		Cv (Kv)	
	lb./(kg)			
YC0050	2.3	(1.05)	7.9	(6.8)
YC0075	2.3	(1.06)	8.8	(7.6)
YC0100	5.9	(2.66)	19.7	(17.0)
YC0125	5.8	(2.64)	20.4	(17.6)
YC0150	14.8	(6.72)	52.7	(45.6)
YC0200	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

Model	Weight		Cv (Kv)	
	lb./(kg)			
YCR050	1.5	(0.68)	5.7	(4.9)
YCR075	1.5	(0.73)	5.7	(4.9)
YCR100	2.3	(1.06)	8.8	(7.6)
YCR150	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

