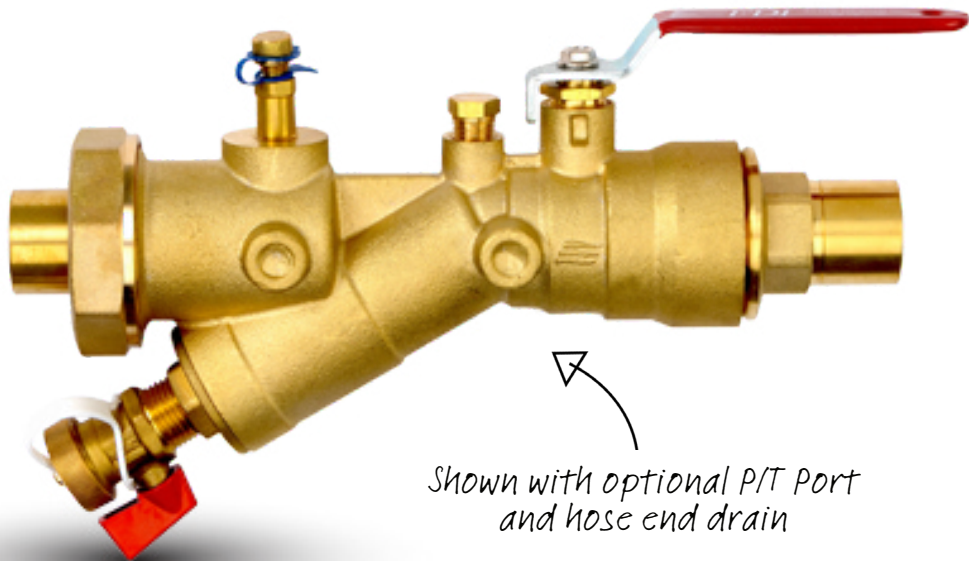


YC

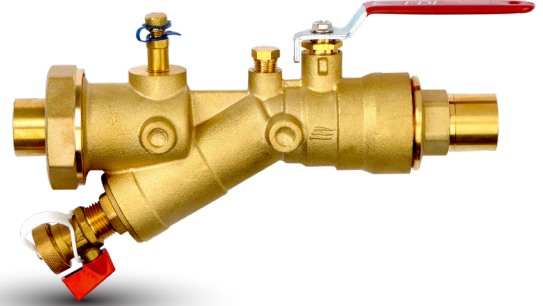


Hook-up Components

Y-strainer, ball valve and union

YC

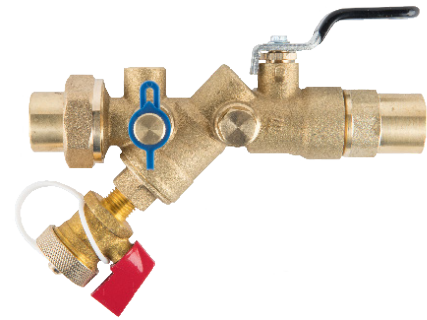
Combination ball valve, y-strainer and union with up to five (5) accessory port locations. 20 mesh stainless steel strainer is removable from the valve body for inspection and cleaning without breaking the main piping. The ball valve has PTFE packing, brass packing nut and blowout-proof stem, large diameter 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" - 2-1/2"

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 1/2 (65) 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
YCR0250	2 1/2 (65)	2 1/2 (65) S, F	2 (50) F, M, S
			2 1/2 (65) F, M, S

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

Notes

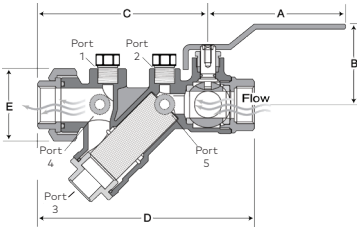
T2 bypass not available for sizes 1/2 & 3/4

*Denotes female thread not available on union end.

Articles

YC

Dimensions



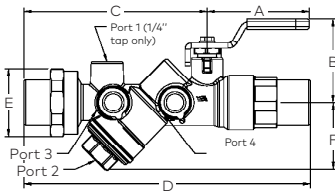
Model	Size	A	B	C	D	E	Strainer Basket area in ²
	in./ (mm)	in./ (mm)	in./ (mm)	in./ (mm)	in./ (mm)	in./ (mm)	
YC0050	1/2 (15)	4.1 (103)	2.0 (52)	4.8 (122)	6.7 (169)	2.1 (53)	7.5
YC0075	3/4 (20)	4.1 (103)	2.0 (52)	4.9 (124)	6.7 (170)	2.1 (53)	7.5
YC0100	1 (25)	4.7 (119)	2.7 (68)	6.6 (169)	9.5 (241)	2.8 (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
YCR075	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
YCR0250	2 1/2 (65)	5.6 (140)	3.6 (92)	8.9 (230)	12.5 (320)	4.6 (116)	4.5 (115)	26.7

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)
YCR250	16.5	(7.5)	55.0 (48.0)

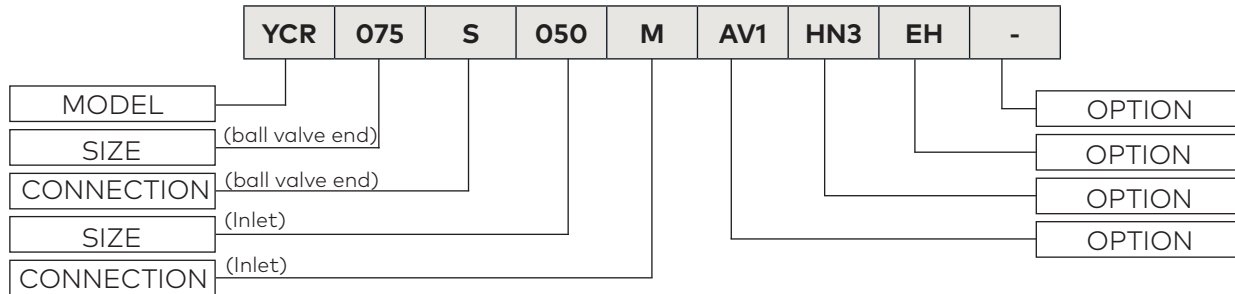
Notes

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

AA Automatic Air Vent	PL Plug	60 60 Mesh Stainless Steel Start up Screen
AV Manual Air Vent	PP Propress®	
EH Extended Handle	SE Stem Extender	
HN Hose End Drain Valve with Cap	T2 1/2" F Tap	
MI Metal ID Tag	T4 1/4" F Tap	
PI Plastic ID Tag	XL Ext. P/T Port	



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