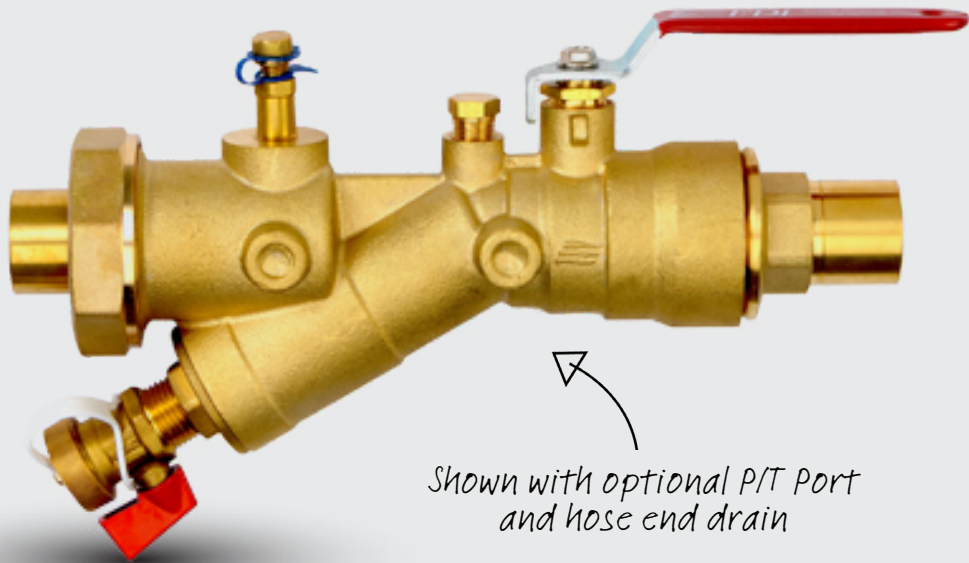


YC



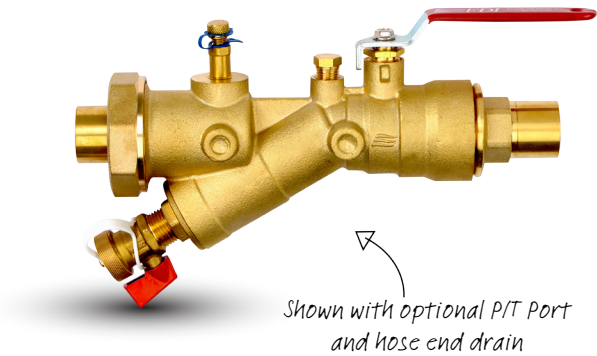
Hook-up Components

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).



Key features

- > **Combination Valve**
Add description of feature
- > **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)	

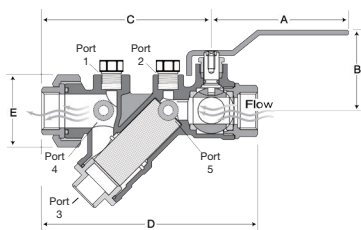
Connections

Model	Size in./(mm)	Fixed Conn. (Inlet) in./(mm)	Union Conn. (Outlet) in./(mm)
YC0050	1/2 (15)	1/2 (15) S, F	3/8 (10) S 1/2 (15) F, M, S 3/4 (20) F, M, S
YC0075	3/4 (20)	3/4 (20) S, F	3/8 (10) S 1/2 (15) F, M, S 3/4 (20) F, M, S
YC0100R*	1 (25)	1 (25) S, F	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
YC0150R*	1 1/2 (40)	1 1/2 (40) S, F	1 1/4 (32) F, M, S 1 1/2 (40) M S
YC0150	1 1/2 (40)	1 1/2 (40) S, F	1 (25) F, M, S 1 1/4 (32) F, M, S 1 1/2 (40) F, M, S 2 (50) F, M, S
YC0200	2 (50)	2 (50) S, F	1 1/4 (32) F, M, S 1 1/2 (40) F, M, S 2 (50) F, M, S

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

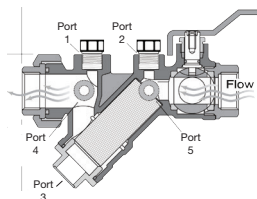
Articles

Dimensions



Model	Size in./(mm)	A in./(mm)	B in./(mm)	C in./(mm)	D in./(mm)	E in./(mm)	Strainer Basket area in ²
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
YC0100R*	1 (25)	4.1 (103)	2.0 (52)	5.5 (140)	7.6 (192)	2.1 (53)	14.2
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
YC0150R*	1 1/2 (40)	4.7 (119)	2.7 (68)	7.9 (200)	10.7 (273)	2.8 (71)	26.7
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

Weight / Cv



Model	Weight		Cv (Kv)	
	lb./ (kg)			
YC0050	2.3	(1.05)	7.9	(6.8)
YC0075	2.3	(1.06)	8.8	(7.6)
YC0100R*	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)
YC0150R*	6.4	(2.93)	20.4	(17.6)
YC0150	14.8	(6.72)	52.7	(45.6)
YC0200	14.8	(6.63)	55.1	(47.7)

Notes

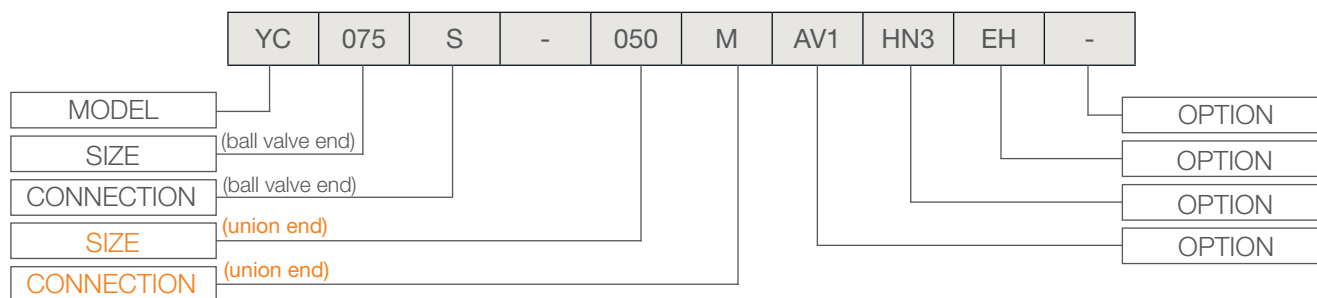
Weights based on F X F connections and will vary with mixed options/connections

Weights and dimensions are subject to minor changes

Cv's based on the body only

* Denotes female thread not available on union end

Model Order Designation



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

Options Available

AA Automatic Air Vent

AV Manual Air Vent

EH Extended Handle

HN Hose End Drain Valve with Cap

MI Metal ID Tag

PI Plastic ID Tag

PL Plug

PP Propress®

SE Stem Extender

T2 1/2" F Tap

T4 1/4" F Tap

XL Ext. P/T Port

