

YCC-1, 2, 3 / 1R Type Intelligent Control Check Valve

This check valve protects the pump by bypassing the discharge pressure that instantaneously rises when the pump starts. It also absorbs shock by linearly opening the water hammer cushion valve to prevent a water hammer resulting from a surge in pressure by the backward flow of water inside a standing pipeline when the pump stops. In addition, this product has a port soft sealing structure, thereby ensuring perfect air tightness at normal times.

Features

- Performs 5 different functions : check valve, balancing valve, bypass valve, and relief valve.
- No Water Hammer in the pump : The spring reacts to the Pump Discharge Pressure (PDP) so that the disc closes in time.
- No need to install a separate balancing valve & attached indicator enables easy identification : The valve can regulate the flow of fluid according to the accurately controlling valve opening degree and the attached indicator visually provides the open/closed status of the valve.
- Possible to install in any direction, horizontally or vertically : Installation space is reduced and construction is convenient.



YCC-1, 2, 3 Type



YCC-1, 2, 3R Type

Specifications

Type	YCC-1, 1R	YCC-2	YCC-3
Applicable fluid	Water, Liquid		
Applicable pressure	Maximum 1,0MPa	Maximum 2,0MPa	Maximum 3,0MPa
Fluid temperature	80°C below	120°C below	120°C below
End connection	KS 10K FF FLANGED	KS 20K RF FLANGED	KS 30K RF FLANGED
Hydraulic test pressure	1,5MPa	3,0MPa	4,5MPa
Materials	Body	GC200	SCP H2
	Seat	CAC406	
	Disc	EPDM	
	GASKET	NBR, EPDM	NBR, EPDM

▶ Install a strainer (40 MESH or more) at the front end when installing the valve.

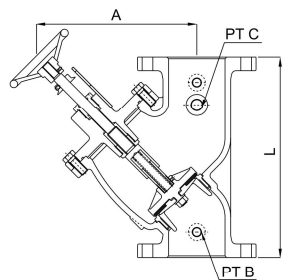
Categorization of types

Category	Main functions
YCC-1, YCC-2, YCC-3	Check, Balancing, Stop Valve, By-pass
YCC-1R	Check, Balancing, Stop Valve, By-pass, Relief, + pressure gauge + Internal special coating

Dimensions

(mm)

Dimensions drawing



FLANGED END TYPE

SIZE	L		A	PTB	PTC
	10K	20K		By-pass	Relief Conn
50A	235	235	184	3/8	1/2
65A	270	270	206	3/8	1/2
80A	295	295	232	3/8	3/4
100A	355	355	278	3/8	3/4
125A	420	424	328	1/2	1
150A	470	474	372	1/2	1
200A	550	558	451	3/4	1 1/4
250A	670	678	542	3/4	1 1/4
300A	780	788	645	1	2
350A	890	902	720	1	2 1/2
400A	980	1000	768	1 1/2	3
450A	1100	1140	850	1 1/2	3