Type YHL-100, 200 Hammerless Check Valve

This product is used to prevent fluid from flowing backwards into a hammerless check valve pump outlet.
It prevents water hammers, protects pump pipelines, and also functions as a bypass valve.

Type YHL-100

Type YHL-200

■ Features

- Water Hammer free.
  Prevent Water Hammer :
  The valve closes when fluid inside the pipeline becomes a speed of stoppage, based on precise movements of the spring & built-in buffer (a part inside the valve that resembles an umbrella playing an essential role in preventing Water Hammer).
- Suitable for pumps, pipelines protection & environmental preservation :
  Heavy noise & pressure loss, this is the most ideal valve for high-rise apartment buildings and other types of high-rise buildings, underground shopping malls, public office buildings, and other public buildings with little Water Hammer shock.
- Breakdown-free simple structure.
- One-year warranty if there is malfunction.
- Bypass valve function.
- Withdraw water inside pipeline on pump outlet side as bypass valve & replenishes guiding water when vacuum establishes on pump inlet side.

■ Specifications

Type		YHL-100	YHL-200
Maximum running pressure		Maximum 14kgf/cm²g	Maximum 20kgf/cm²g
Applicable fluid		Water	
Fluid temperature		5~80° C	
Leakage allowance		0	
End connection		KS 10K RF FLANGE	KS 20K RF FLANGE
Materials	Body	GC200	GCD450, SCPH2
	Disc, seat	NBR, BC6	
Hydraulic test pressure		20kgf/cm²g	30kgf/cm²g

▶ Valves for hot water and other fluid are also available by made-to-orders.

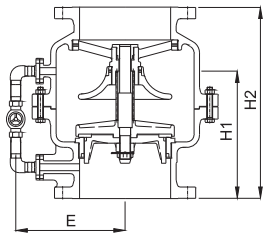
■ Dimensions

(mm)

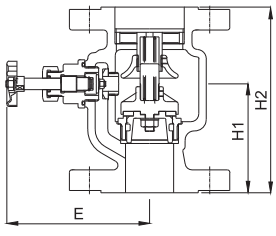
Size	E	H1	H2	Weight (kg)
40(1½")	120	95	162	7.3
50(2")	135	100	183	9.3(15.8)
65(2½")	145	100	200(196)	11.2(19)
80(3")	150	110	210	15(25.5)
100(4")	160	120	217	20(31)
125(5")	190	125	255(259)	31(52.7)
150(6")	200	135	280(284)	40(68)
200(8")	235	210	416(424)	80(136)
250(10")	275	260	560(568)	92(160)
300(12")	340	402	622	126.3(215)
350(14")	370	488	834	168(290)
400(16")	415	582	932(970)	212.3(361)

▶ Dimensions in the parentheses are for YHL-200.

■ Dimensional drawing



Size of 40 to 50



Size of 300 to 400

Types YHL-100, 200