

YFV-1 Type Foot Valve

When installed on the pump inlet side of an underground water tank, this product is suitable for preventing the backward flow of fluid.

Specifications

Applicable fluid		Water
Maximum running pressure		Maximum 1.0MPa
Fluid temperature		80°C below
Leakage allowance		ANSI b16.104 class V
End connection		KS 10K RF FLANGE
Materials	Body	GC200
	Disc, seat	NBR, CAC406
	Screen	STS
Hydraulic test pressure		1.5MPa

► Valves for 2.0MPa are available by made-to-orders.



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Dimensions

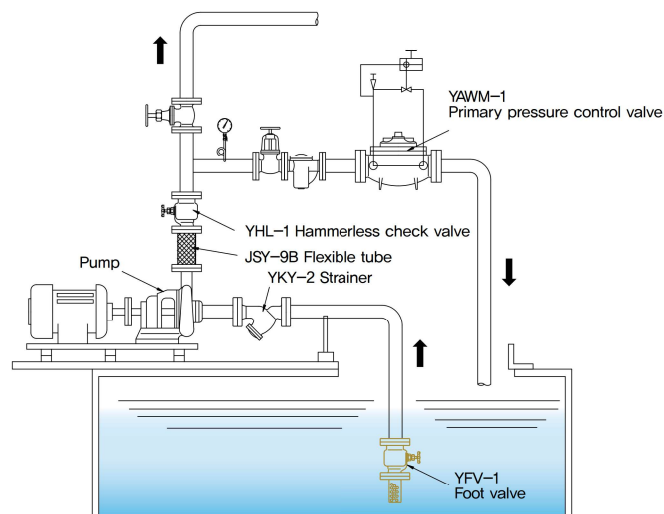
(mm)

Size	E	H1	H2	H3	Weight (kg)
40(1½")	120	95	162	324	9.2
50(2")	135	100	183	366	11.7
65(2½")	145	100	200	400	14.2
80(3")	150	110	210	420	17.8
100(4")	160	120	217	434	23.6
125(5")	190	125	255	510	36.5
150(6")	200	135	280	560	47.3
200(8")	235	210	416	832	88.5
250(10")	275	260	560	1120	106

Notes for installation in a pump line

- Using the type YHL-1 hammerless check valve, instead of a swing-type valve, on the outlet side of a pump, will prevent a water hammer and protect the pump and pipeline.
- Since the disc of the hammerless check valve and the foot valve is made of NBR, a perfect sealing is maintained. In particular, there is little pressure loss, resulting in less electricity consumption.
- Install a flexible tube on the upper part of the check valve to prevent pipeline vibration resulting from pump vibration.
- The primary pressure control valve (relief valve) maintains a constant pressure level on the pump outlet side, according to the set pressure.
- Install a strainer on the inlet side of the pump to protect facilities in the pipeline and the pump.

Application Diagram (Example)



Dimensions drawing

