

LP-8N, 9N Type Level Control Valve (for Water)

General purpose level control valve for water receiving tank. It is made of cast bronze for body to prevent rust water. And no adjustable part, compact, easy to installation.

■ FEATURES

- Since the passage to the pilot piping is through bypass line, intermittent water fed by the ball tap caused by water wave, has no influence on water supply. Quiet and stable water supply is ensured.

- Compact, simply structured, easy to handle.

■ SPECIFICATIONS

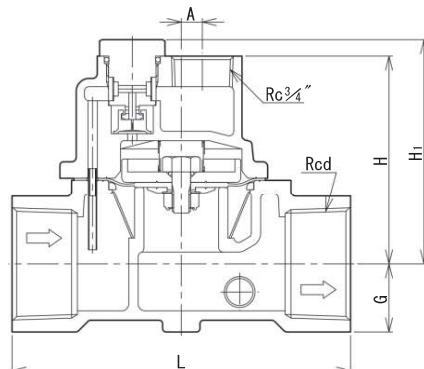
Model name	LP-8N		LP-9N
Code name	LP8N-F	LP8N-B	LP9N-F
Size	25~50(1"~2")	65~100(2½"~4")	
Applicable fluid	Water		
Fluid temperature	5~60°C		
Applicable pressure	0.03~0.75MPa		0.035~0.75MPa
Minimum pressure differential across the disc	0.03MPa		0.035MPa
End connection	Screwed JIS Rc		Flanged JIS 10KFF
Materials	Body(Cast bronze) Disc & seat (Brass and synthetic rubber)	Body(Cast iron) Disc & seat (Brass and synthetic rubber)	Body(Cast bronze) Disc & seat (Brass and synthetic rubber)
Painting	—	Body inside:Epoxy resin	—
Valve body pressure test	Hydraulic 1.75MPa		
Accessories	Ball tap(Size 20mm), male and female bushing		Ball tap(Size 20mm), male and female bushing

■ DIMENSIONS (mm)

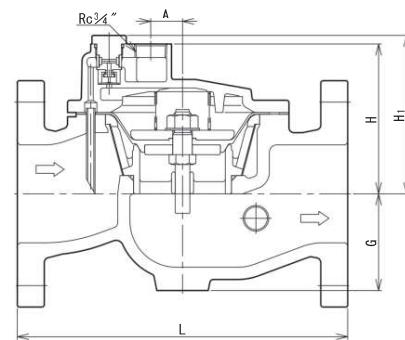
Size	d	L	G		H	H ₁	A	Cv value	Mass(kg)	
			LP-8N Type	LP-9N Type					LP-8N Type	LP-9N Type
25(1")	1"	120	21	—	77	84	15	8	1.5	—
32(1¼")	1¼"	135	25	—	82	89	10	11	2.1	—
40(1½")	1½"	145	29	—	89	96	9	16	2.7	—
50(2")	2"	170	36	—	97	104	3	22	3.9	—
65(2½")	—	270	75	75	123	130	26	60	21	19
80(3")	—	270	79	79	123	130	26	70	21	21
100(4")	—	290	92	89	135	142	39	100	29	28

* Size 65~100mm: Flange code JIS 10KFF

■ CONSTRUCTION



Size 25~50mm (LP-8N Type)



Size 65~100mm (LP-8N, 9N Type)



Size 25~50mm
(LP-8N Type)



Size 65~100mm
(LP-8N, 9N Type)

DATA/Level Control Valve

LB-2N Type Pilot Ball tap (Standard accessories)

Standard accessory for level control valve. Pilot ball tap works with level control valve and maintains a fixed level of water in the tank.

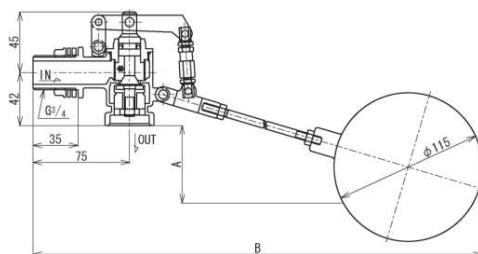
※ If level control valve is replaced, the ball tap should also be replaced.



■ SPECIFICATIONS

Size of main body of level control valve	20~50(3/4"~2")	65~150(2 1/2"~6")	200(8")
Model name		LB-2N	
Code name	LB2N-F2	LB2N-F5	LB2N-F6
Applicable fluid		Water	
Fluid temperature		1~60°C	
Applicable pressure		0~0.75MPa	
Materials		Body(Cast bronze), Float(Polyethylene)	
Valve body pressure test		Hydraulic 1.75MPa	

■ CONSTRUCTION



■ DIMENSIONS (mm)

Code name	A	B	Mass(kg)
LB2N-F2	110	450±10	1
LB2N-F5	200	500±10	1.05
LB2N-F6	250	450±10	1.05

VD-2N Type Vacuum Breaker (Optional item) for outlet side of Level control valve

The operation of level control valve may become unstable if the outlet side piping is too long or the piping is a vertical piping. To maintain stable operation of the valve, install vacuum breaker on the pipe right after the outlet side of level control valve.

Note: Select VD-5N Type (see Page 128) for indoor piping of water supply or air conditioning system.



■ SPECIFICATIONS

Model name	VD-2N
Code name	VD2N-F
Applicable fluid	Water
Fluid temperature	5~60°C
Applicable pressure	Max. 0.75MPa
Opening operation	98.3kPa · A(-3.0kPa) or less
Closing operation	111.3kPa · A(10kPa) or more
Materials	Body(Brass or Cast bronze), Disc(Synthetic rubber), Ball(Polyethylene), Strainer(Stainless steel)

■ DIMENSIONS (mm)

Size	A	D	H	Mass(kg)	Applicable size of level control valve
15(1/2")	1/2"	25.4	65	0.1	20~32(3/4"~1 1/4")
20(3/4")	3/4"	32.3	88	0.16	40~50(1 1/2"~2")
25(1")	1"	40.4	100	0.29	65(2 1/2") or bigger

■ CAPACITY (Air) (kg/h)

Size	-0.003MPa	-0.006MPa	-0.01MPa
15(1/2")	0.94	1.30	1.65
20(3/4")	1.40	1.95	2.50
25(1")	1.95	2.70	3.40

- Convert kg/h → m³/h (Standard state) (for reference only)
Density of air is 1.226kg/m³ (15°C, 1atm)

$$\text{m}^3/\text{h (Standard state)} = \frac{\text{Value in above table (kg/h)}}{1.226 (\text{kg/m}^3)}$$

■ CONSTRUCTION

