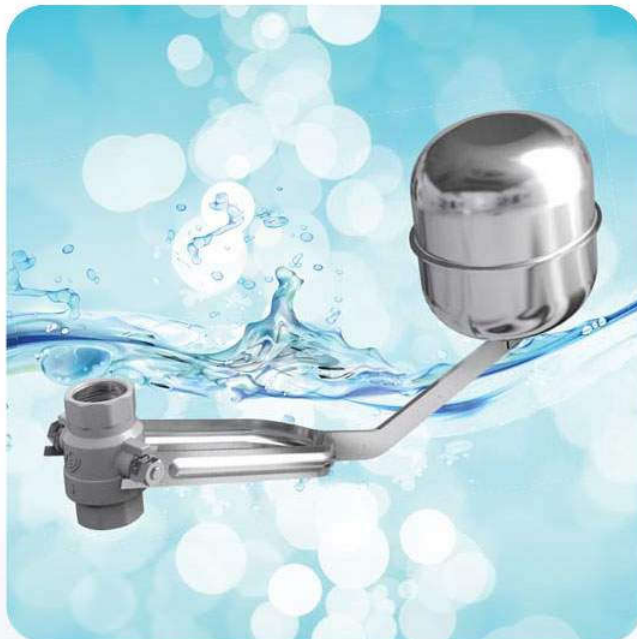




Balem Valve (Balem 411) is designed to control liquid level in a reservoir by the float buoyancy and dead weight (gravity). The valve does not require any external power source but controls the water level perfectly. This valve guarantees perfect shut-off even at high pressure. Anti-corrosive and thermal resistant material ensures durable and trouble free operation. Installation and maintenance is simple and easy.

【 Applications 】

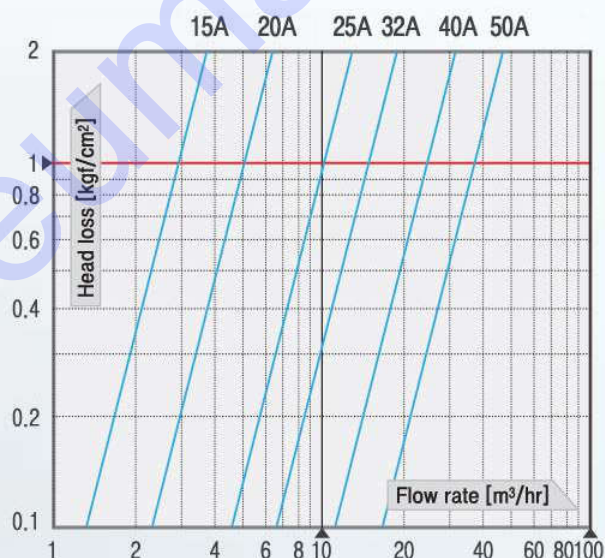
- Underground / roof top water reservoir level control valve.
- Substitution for High and Low level control electrodes in water reservoir.
- Various types of oil tank float control valves.

BALEM Valve (BALEM 411)

Special Features

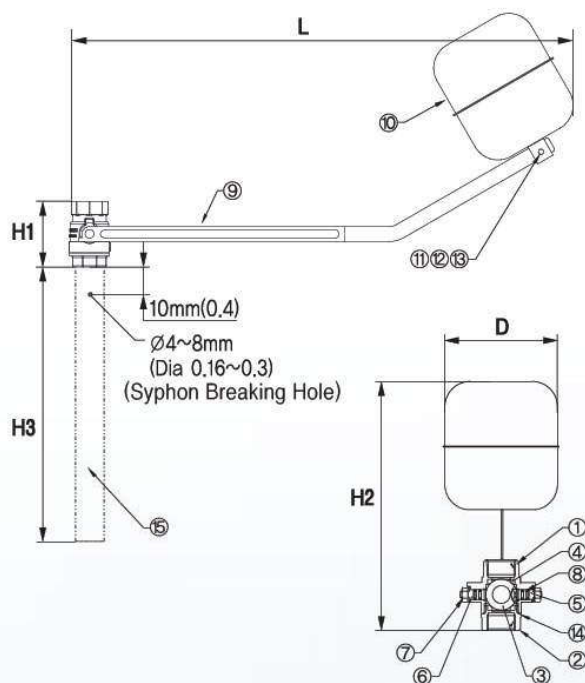
- Simple design combined ball valve with float.
- Operates mechanically without external power source.
- Spherical disc with hole controls liquid level perfectly.
- Durable, trouble free and easy installation.
- Perfect shutoff at high pressure.
- Valve body is available in stainless steel or nickel plated brass.

【 Flow Chart 】



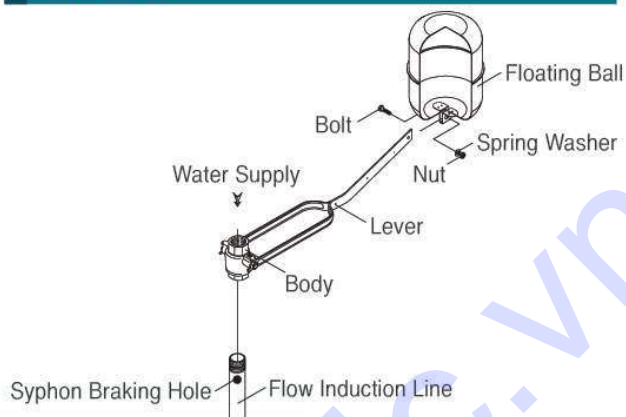
Specifications	BALEM Valve (BALEM 411)					
Model No.	411-015 4F	411-020 2F / 4F	411-025 2F / 4F	411-032 2F / 4F	411-040 4F	411-050 4F
Size	15A(1/2")	20A(3/4")	25A(1")	32A(1 1/4")	40A(1 1/2")	50A(2")
Operating Pressure	0.98 MPa (10kgf/cm²)					
End Connections	Female threaded : KSPT(Standard) / NPT(Optional)					
Media	Water, Oil Temperature : 0°C ~ 80°C					

Dimensions



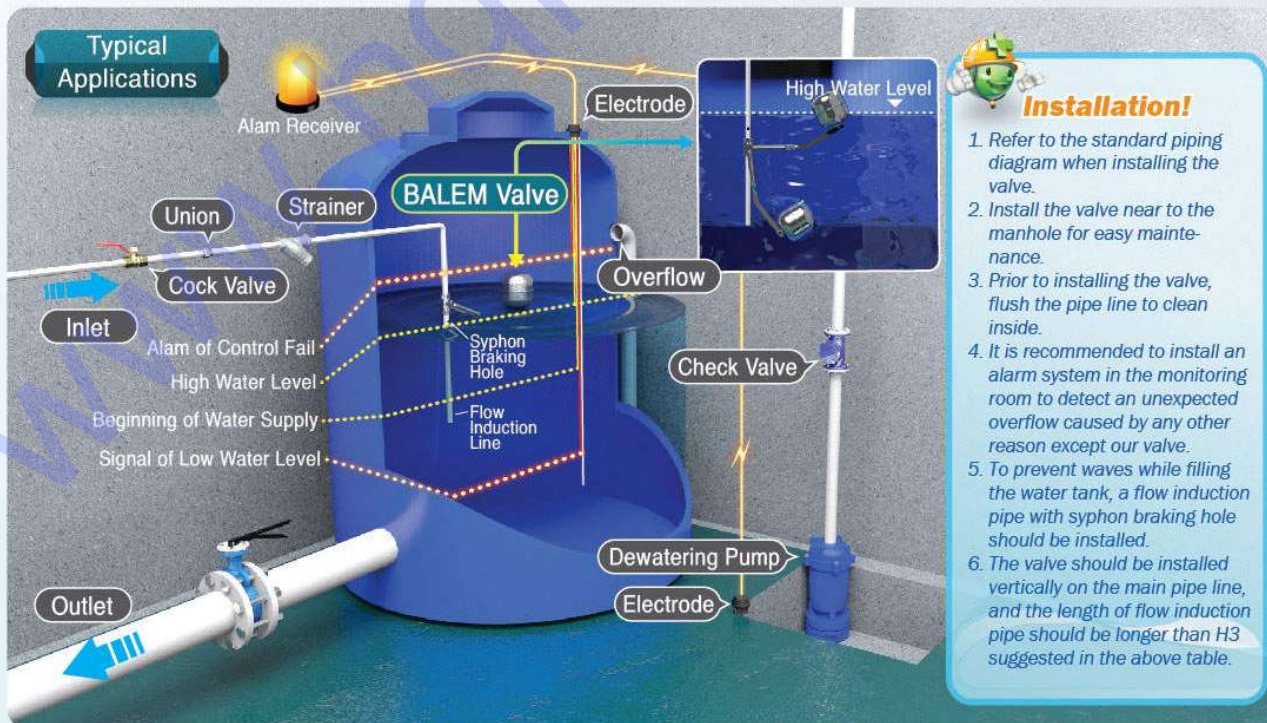
Size(mm)	2F	4F	H1	H2	H3	L	D(Ø)
15A	X	●	49	215	170min	350	113
20A	●	●	59	240	200min	510	113
25A	●	●	75	260	360min	630	124
32A	●	●	85	310	460min	760	145
40A	X	●	89	330	550min	880	176
50A	X	●	110	420	670min	995	208

Materials



No.	Components	Materials	
		2F	4F
1	Body	Brass	SSC 13
2	Cap	Brass	SSC 13
3	Ball	Brass	STS 304
4	Seat Ring	P.T.F.E	
5	Stem1	Brass	STS 304
6	Stem2	Brass	STS 304
7	Nut	Brass	STS 304
8	O-Ring	N.B.R	
9	Lever	STS 304	STS 304
10	Floating Ball	STS 304	STS 304
11	Bolt	STS 304	STS 304
12	Spring Washer	STS 304	STS 304
13	Nut	STS 304	STS 304
14	O-Ring	N.B.R	
15	Flow Induction Line	P.V.C	

◎ 15A-25A (2F) wishful valve only provides induction pipes



Installation!

1. Refer to the standard piping diagram when installing the valve.
2. Install the valve near to the manhole for easy maintenance.
3. Prior to installing the valve, flush the pipe line to clean inside.
4. It is recommended to install an alarm system in the monitoring room to detect an unexpected overflow caused by any other reason except our valve.
5. To prevent waves while filling the water tank, a flow induction pipe with syphon braking hole should be installed.
6. The valve should be installed vertically on the main pipe line, and the length of flow induction pipe should be longer than H3 suggested in the above table.