Bescon Valve
(BALEM 441)

Special Features

- *Can be operated both mechanically and electrically.*
- *Easy installation, handling and maintenance.*
- *Piston type valve actuated by differential pressure.*
- *Valve opening can be set on site considering working condition.*
- *Suitable for high temperature and high pressure.*
- *Durable and long life span.*

Bescon Valve (Balem 441) is a float level control valve, which can be operated by electrically using a solenoid valve and/or mechanically using a pilot float valve. When the valve is used with dual functions, the valve ensures more safe and perfect performance in controlling the water level in the reservoir. Even in case of the power failure, the valve works properly ensuring you a safe running. The valve has piston type actuator operated by differential pressure with internal control piping. The valve is made of stainless steel, which ensures more safe and hygienic conditions in the system.

Patents • Patented to Korea.

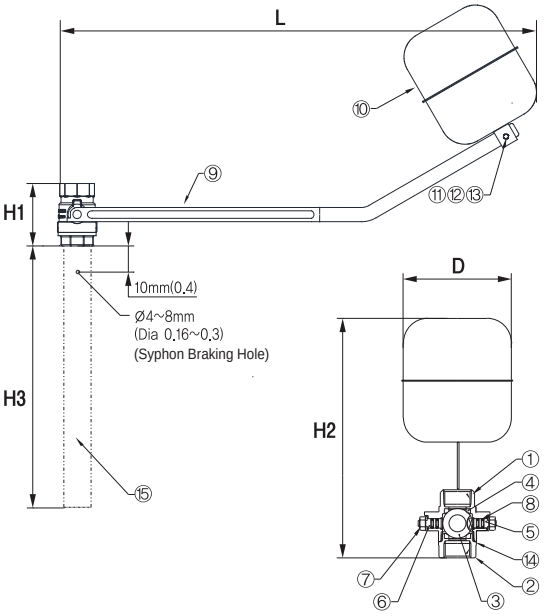
【 Applications 】

- 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.

Model	Size	Materials	Pattern
441	80-250A	STS 304	A-Angle G-Up-right Globe

Specifications	Bescon Valve (BALEM 441)					
Model No.	441-080	441-100	441-125	441-150	441-200	441-250
Size	80A(3″)	100A(4″)	125A(5″)	150A(6″)	200A(8″)	250A(10″)
Operating Pressure	0.05~0.98 MPa (0.5~10kgf/cm²)					
Testing Pressure	1.72 MPa (17.5kgf/cm²)					
Pilot Valve	Female threaded : KSPT ½ / (Optional : NPT)					
	Solenoid Valve : AC 220V 60Hz, Normal Closed					
Media	Water, Oil - Temperature : 0℃ ~ 80℃					

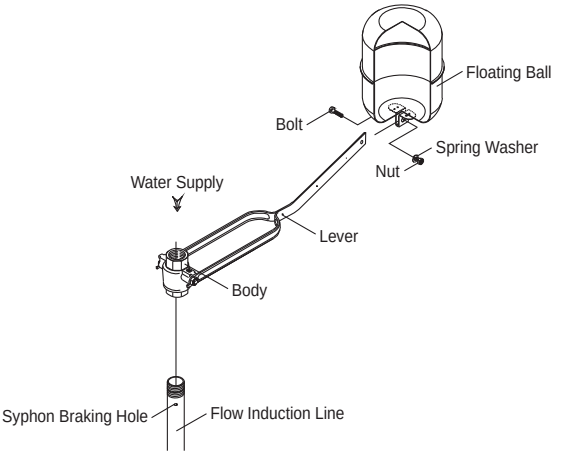
Dimensions



(mm)

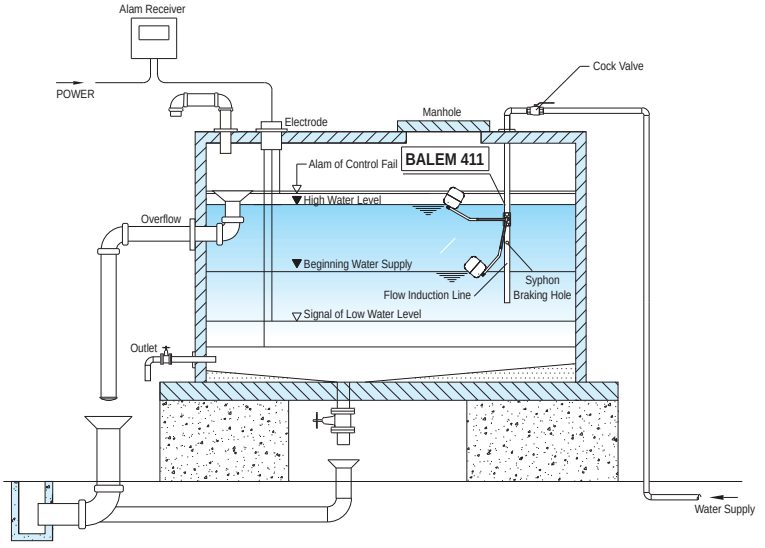
SIZE	2F	4F	H1	H2	H3	L	D(Ø)
15A	○	○	49	215	170min.	350	113
20A	○	○	56	240	200min.	510	113
25A	○	○	66	260	360min.	630	124
32A	○	○	80	310	460min.	760	145
40A	○	○	85	330	550min.	880	176
50A	○	○	106	420	670min.	995	208
65A	○	×	126	420	800min.	1060	235

Materials



No.	Components	Materials	
		2F	4F
1	Body	Brass	SSC13
2	Cover	Brass	SSC13
3	Ball	Brass	STS304
4	Seat Ring	P.T.F.E	
5	Stem1	Brass	STS304
6	Stem2	Brass	STS304
7	Nut	Brass	STS304
8	O-Ring	N.B.R	
9	Lever	STS304	STS304
10	Floating Ball	STS304	STS304
11	Bolt	STS304	STS304
12	Spring Washer	STS304	STS304
13	Nut	STS304	STS304
14	O-Ring	N.B.R	
15	Flow Induction Line	P.V.C	

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



Standard Piping Diagram

Installation

- Refer to the standard piping diagram when installing this valve.
- Install near a manhole assembled with a unior for ease of maintenance, repair, and testing.
- Before installation, finish to clean pipeline.
- A alarm system needs to be installed in monitoring room for early detection of malfunction.
- To prevent waves while filling, an flow induction line with syphon braking hole must be installed.
- The valve has to be installed vertically to the main pipe line, and the length of flow induction line must be longer than H3. The flow induction line is essential.