Two Level Control Valve
(BALEM 511)

Special Features

- *Wide range high and low water level control (Max. 900 mm).*
- *Perfect shutoff by ball valve with a float.*
- *Mechanical On/Off type.*
- *Anti-corrosion and heat resistant materials ensure a long life span.*
- *Easy to install and maintain.*
- *Operates totally independent from any external power source.*

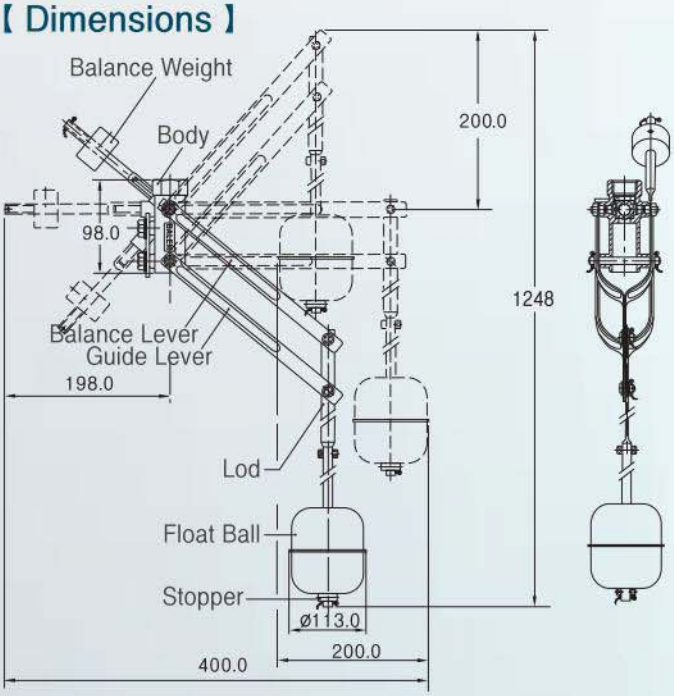
Two Level Control Valve (BALEM 511) is a mechanical On/Off level control valve with a float, which controls water level between upper and low limits (adjustable from Min. 300mm to Max. 900mm). The valve was designed to use as a pilot valve for PISTEK Valve(BALEM 431) or BESCON Valve(BALEM 441), but can be used independently to control water levels in a small water tank / reservoir.
Refer to the standard piping diagram(Fig-1) when installing the valve for an independent use. Refer to the piping diagram(Fig-2) when installing the valve as a pilot valve for a bigger valve. The level control range can be adjusted as required easily using the stopper screws provided.

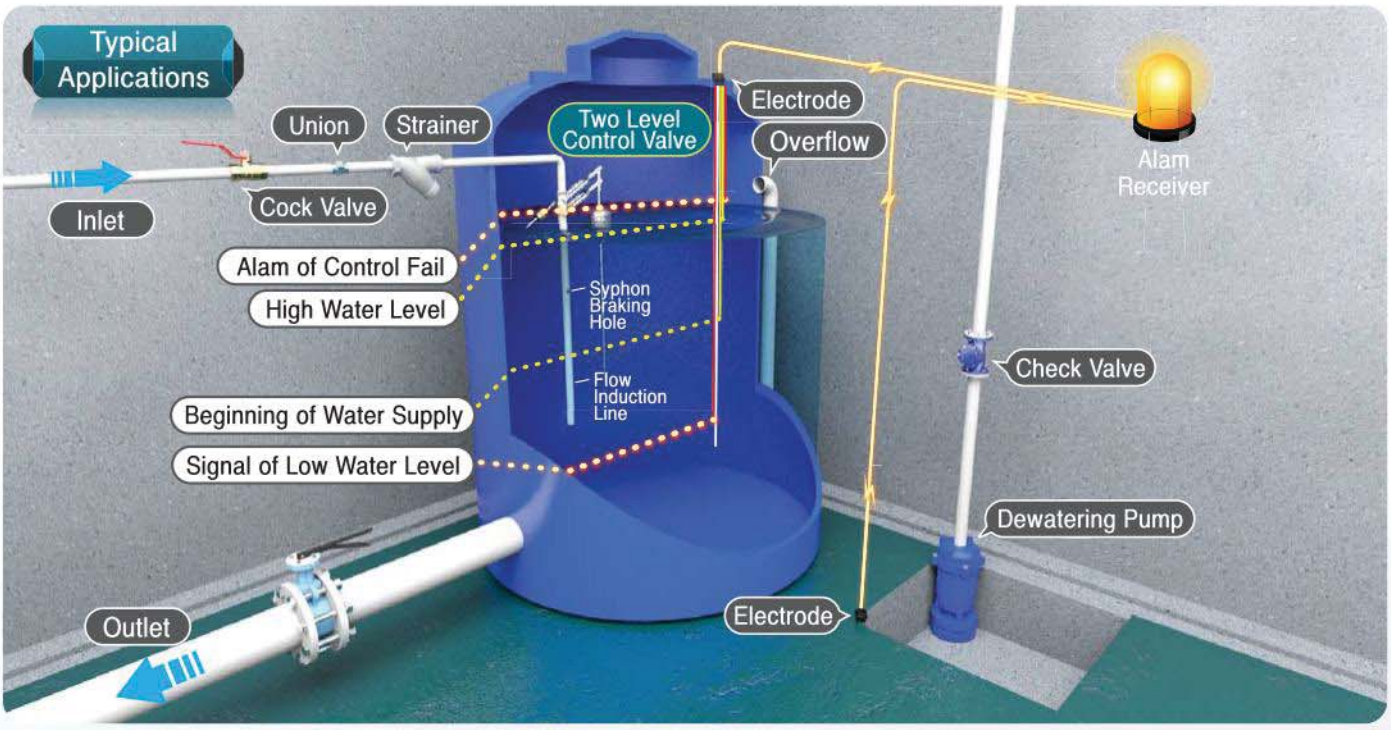
【 Applications 】

- 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.

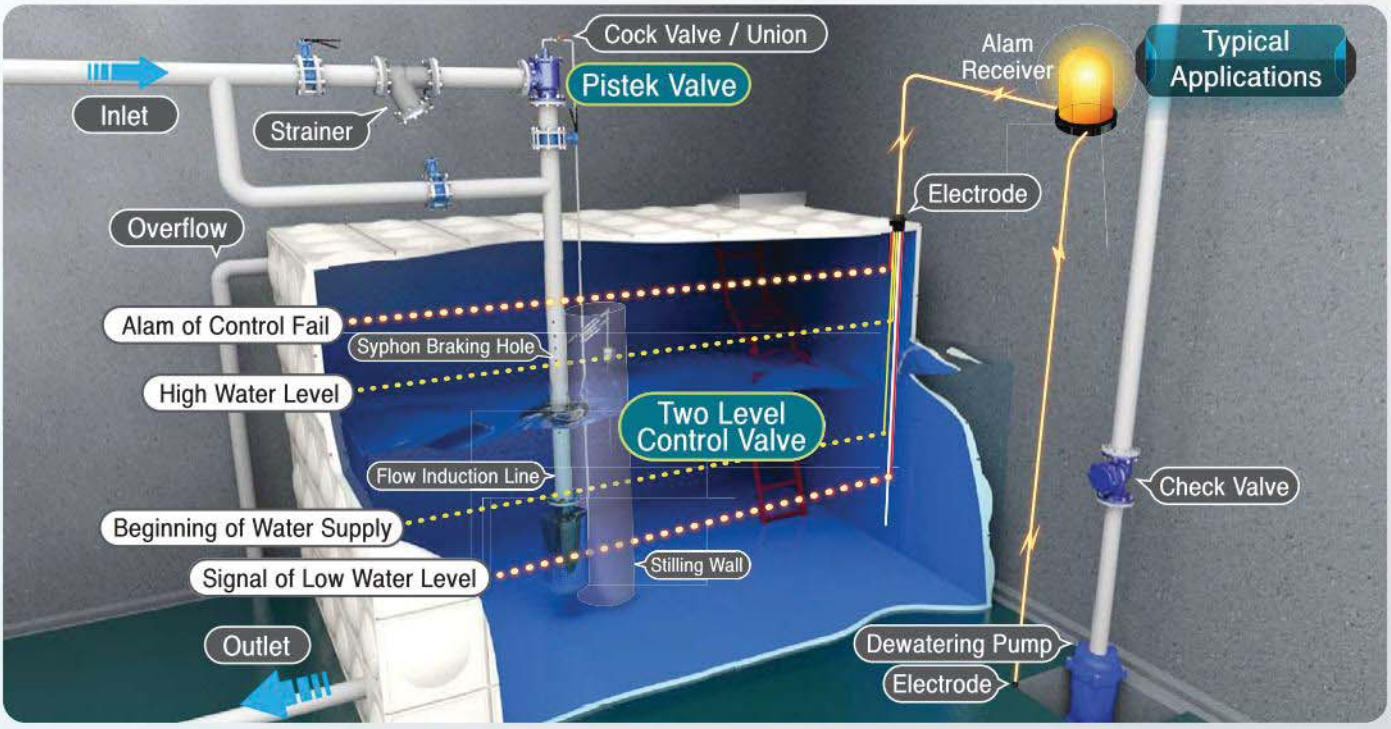
Specifications	Two Level Control Valve (BALEM 511)
Size	20A(3/4″)
Operating Pressure	0.98 MPa (10kgf/cm²)
Testing Pressure	1.72 MPa (17.5kgf/cm²)
End Connections	Female threaded : KSPT(Standard)
Media	Water, Oil - Temperature : 0℃ ~ 80℃
Materials	Body : Stainless Steel Balance Weight : Plated Steel Levers system & Lod : Stainless Steel Float Ball : Stainless Steel Seat & O-ring : P.T.F.E, N.B.R
Weight	1.85kg

【 Dimensions 】





▲ (Fig-1) For operating by oneself in the small tank



▲ (Fig-2) For operating as a Pilot valve in the large capacity valve

Installation Tips!

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 in the tank while filling the water, a flow induction pipe with syphon braking hole should be installed.*
6. *Install a breakwater wall around the float when the valve is used as a pilot valve as shown in (Fig-2).*