

Product information and installation

This float valve consists of a Weighted float with enough buoyancy to remain suspended within a trough or tank containing water. This float is used to open the valve when the descending water level reached the Open level. The Open level is fully adjustable through a 0 to 3 metre range via the Adjustment rope. The Open and Close levels are close together as is the case with common single level float valves.

1. Installation

Remove the Lock nut and install the Valve body through a suitable hole in the tank or trough. Ensure that the Valve body and Valve stem are installed in a vertical position. The Valve stem must be suspended at the back of the Float arm as presented in Figure 1. The tank wall can be clamped between Lock nut and Valve body or between the Lock nut and water supply connection. Adjust the Adjustment rope to the required length and knot the free end around the Arm hook.

2. Functioning

Float valve opening: As the water level is receding, the Adjustment rope will tighten and the weight of the Weighted float will pull the Float arm down wards, overcoming the tension force of the Retainer spring, to the Open position as presented in Figure 2.

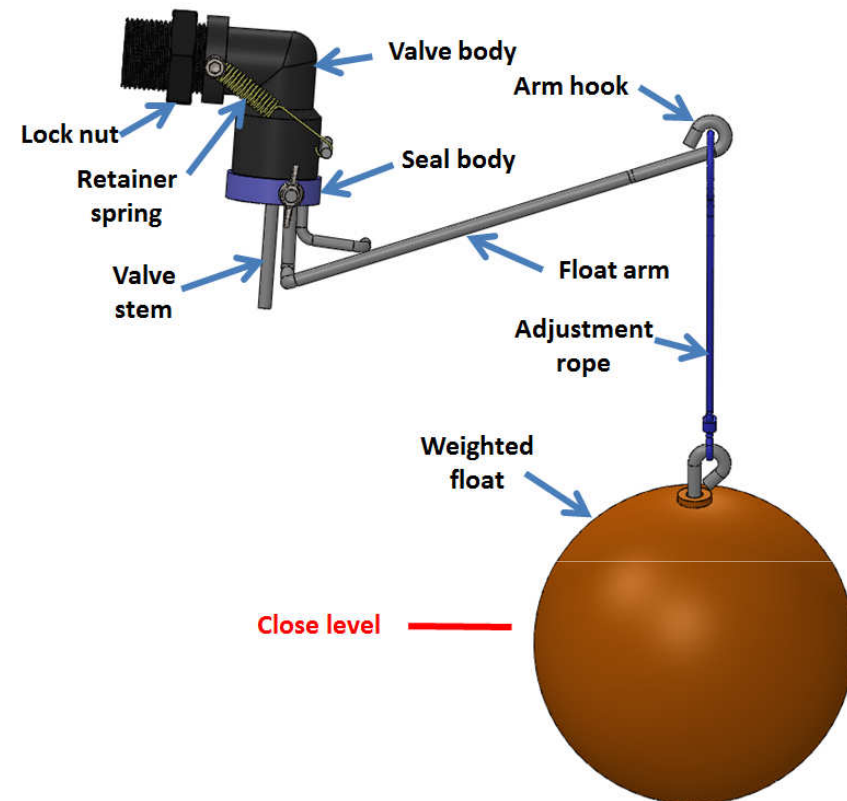


Figure 1: Float valve Closed position.

Float valve closing: As the water level is rising, the Weighted float will move upwards and the Float arm under the tension force of the Retainer spring will rotate upwards until the float valve closes. The tension force of the Retainer spring is sufficient to suspend the Float arm and Adjustment rope and thus ensures that the float valve can function under very low water pressure.

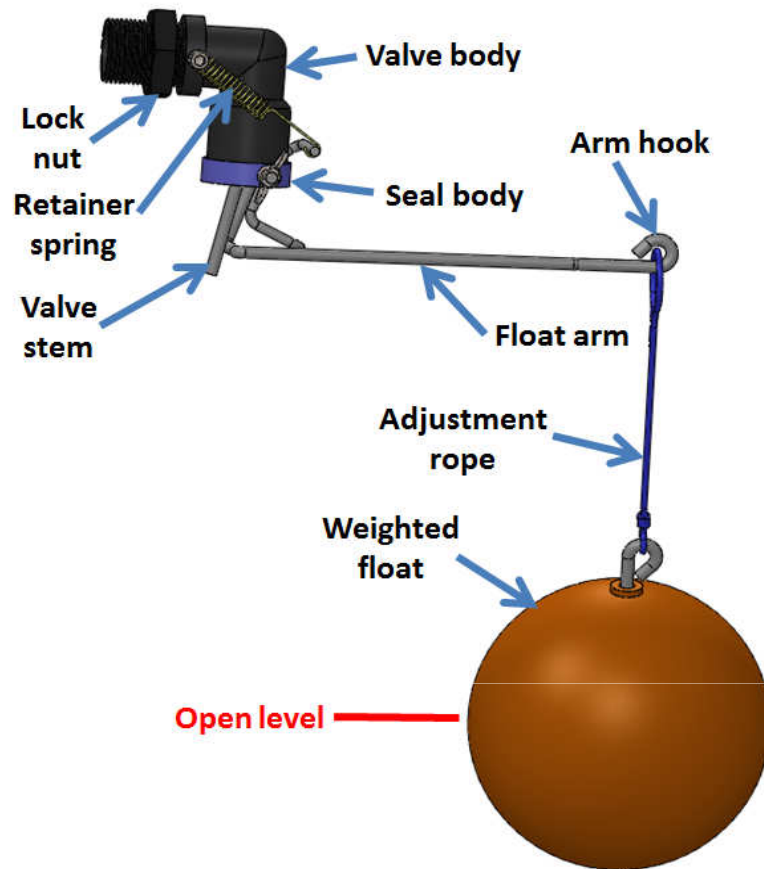


Figure 2: Float valve Open position.

3. Tank float valve advantage

The Tank float valve is ideal for example where a water tank needs to be maintained at partial capacity via a water source (municipal or pump). If a traditional float valve is used for this purpose, a hole in the tank at the desired water level is needed. In comparison the Tank float valve is installed at the top of the tank (using an existing hole) and the Adjustment rope is simply adjusted to the required water level.

4. Product information

Operating pressure: 0 to 10 Bar.

Flow rate: 21 L/min @ 0.5 Bar, 48 L/min @ 2 Bar

Open level adjustment: 0 to 3 meter

5. Unique features

- a) The float valve seals effectively under very low as well as high pressures (maximum 10 Bar).
- b) The structure of the valve and swirl action of the water reduces the risk of blockage and avoids build-up of clogging material such as sand or organic material.
- c) Calcium build-up is prevented.
- d) Durable material:
 - **Metal parts:** stainless steel 304
 - **Plastic parts:** ABS plastic
 - **Seal:** Neoprene
- e) In case the Weighted float is damaged, the valve will close, and no water will leak out.
- f) The Valve body and Seal body are both made from ABS plastic and screwed as well as glue welded together.
- g) No tools are required for adjustment and configuration

Warning! Although great care is taken during manufacturing, the product can be damaged, if used under sub-zero conditions.

Produk inligting en installering

Die vlotterklep bestaan uit 'n Geweegdevlotter (bal) met net genoeg dryfbaarheid sodat dit nie sink nie binne 'n krip of tenk. Hierdie vlotter word gebruik om die klep oop te maak wanneer die watervlak daal en die Oop vlak bereik. Die Oopmaak vlak is ten volle verstelbaar tussen 0 en 3 meter met 'n Verstellingstou. Die Oop- en Toe- vlakke is naby genoeg soos in die geval van algemene enkelvlak vlotterklep.

1. Installering

Verwyder die Sluitmoer en installeer die Klephuis deur 'n toepaslike gat in die krip of tenk. Maak seker dat die Klephuis en Klepstam in 'n vertikale posisie is. Die Klepstam moet agter die Vlotterarm hang. Die krip of tenk wand kan tussen die Klephuis en Sluitmoer of tussen die Sluitmoer en water toevoer konneksie geklamp word. Verstel die Verstellingstou vir die korrekte watervlak lengte en knoop die tou deur die Armhaak.

2. Funksionering

Vlotterklep Ontsluit (OOP): Soos die watervlak daal, sal die Verstelbare tou styftrek en die gewig van die Geweegdevlotter sal die Kleparm afwaarts trek, om die spanningskrag, van die Terughoupeer te oorkom, en die Vlotterklep sal oopmaak en in die posisie wees van Figuur 2 .

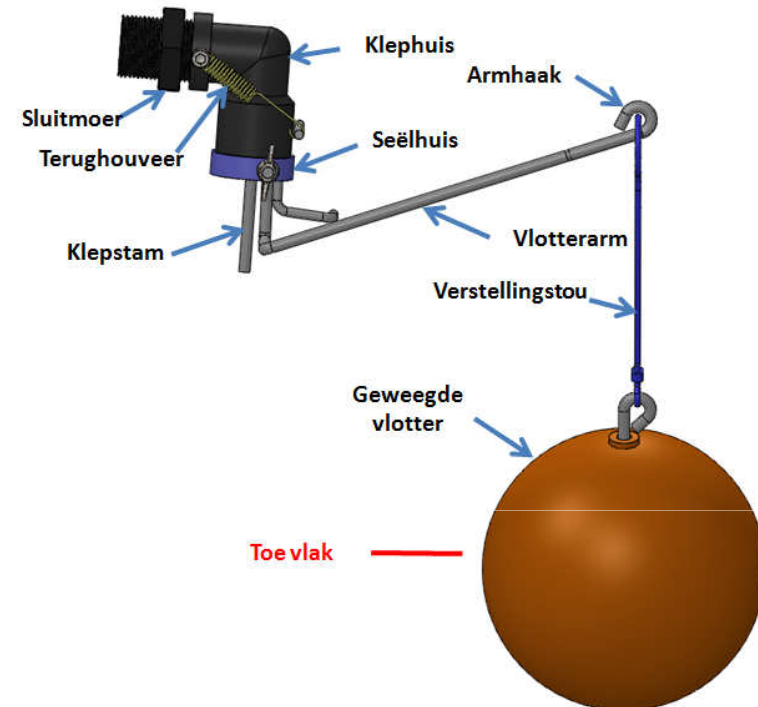


Figure 1: Vlotterklep Toe posisie

Vlotterklep Gesluit (TOE): Soos die watervlak styg, sal die Geweegdevlotter opwaarts beweeg en die Vlotterarm onder die spanningskrag van die Terughoupeer sal opwaarts roteer totdat die Vlotterklep sluit. Die Spanningskrag van die Terughoupeer is genoegsaam om die Vlotterarm en die Verstellingstou se gewig op te hou en so te verseker dat die Vlotterklep onder baie lae waterdruk kan funksioneer. Sien Figuur 2.

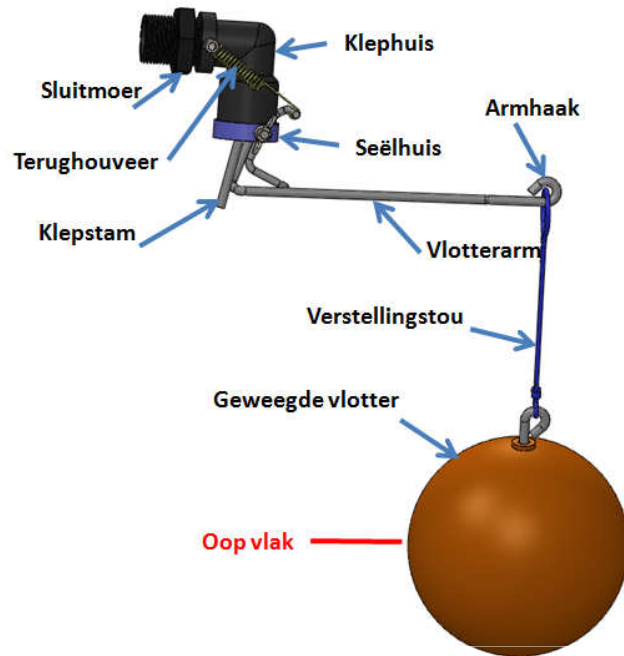


Figure 2: Vlotterklep Oop posisie

4. Tenk Vlotterklep voordele

Die Tenk Vlotterklep is ideaal vir waar Watertenks teen 'n bepaalde minimum watervlak gehandhaaf moet word deur 'n waterbron (munisipaliteit of pomp). Indien 'n tradisionele vlotterklep gebruik word vir die doel, sal 'n gat op die hoogte van die verlangde watervlak in die tenk geboor word. In vergelyking met die Tenk Vlotterklep word bo in die tenk geïnstalleer (gebruik bestaande gat) en die Verstellingstou word eenvoudig verstel om die verlangde watervlak te bereik. Dus net een gat.

1. Produk inligting

Bedryfsdruk: 0 to 10 Bar.

Vloeitempo: 21 L/min @ 0.5 Bar, 48 L/min @ 2 Bar

Oopmaak vlak verstelling: 0 tot 3 meter

5. Unieke eienskappe

- Die Vlotterklep sluit effektief onder baie lae sowel as hoë druk (maximum 10 Bar).
- Die groot klep-opening waardeur die water vloei, skakel verstopping uit en met die kolk-aksie van die water spoel onsuiverhede, soos sand en organiese materiaal, maklik uit.
- Kalsium opbou word verhinder.
- Duursaam materiaal :
 - Metaal dele:** vleklose staal 304
 - Plastiek dele:** ABS plastiek
 - Seël:** Neoprene
- Indien die Geweege vlotter beskadig sou word, sal die klep sluit en dus sal geen water uitlek en dus vermorsing verhoed.
- Die klephuis en Seëlhuis is albei van ABS-plastiek gemaak en vas geskroef sowel as gom vasgesweis.
- Geen toerusting word benodig vir verstelling of konfigurasie.

Waarskuwing! Alhoewel alle sorg gedurende vervaardiging geneem word, kan die produk beskadig word wanneer die klep in vriestoestande funksioneer.