Float Valves for down stream and upstream water level control

To regulate downstream float valve type PVI
A float valve has been developed to regulate downstream water level. This valve operates independently, without any manual or electric power requirement. The product has a proven track record in the Dutch polders. It is always a custom made product.

We can design this special float valve on the basis of the specific site parameters (difference in water level upstream and down stream - the so-called Δ H value) and the culvert capacity in m3/second.

until the water level increases again and the float closes the opening. The PVI float valve reacts automatically to a change in the water level down stream.

If the water level downstream remains high enough the float shuts off the opening with a door. Only when the downstream (on the left in the picture) water level drops, will the float be lowered enabling the door to open. The water can enter...
HDPE Float valve type WAPVI with double float.

**Application**
Valve to regulate automatically the downstream water level.

**Design criteria**
PVI will be specifically designed on the basis of difference between water level upstream and downstream (H) and capacity to pass through the opening (Q in M3/s).

**Material**
1 Float HDPE
2 Threaded bar RVS AISI 316
3 Connecting profile RVS AISI 316
4 Seating HDPE
5 Sealing EPDM
6 Door HDPE
7 Body HDPE
8 Adjustment nuts Brass