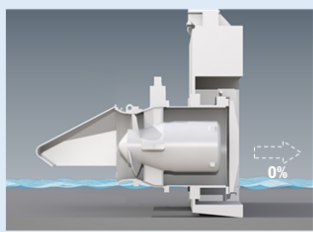


All Speed/Water Level-adaptive Horizontal Submersible Pump

Developers: Ishigaki Company Ltd.

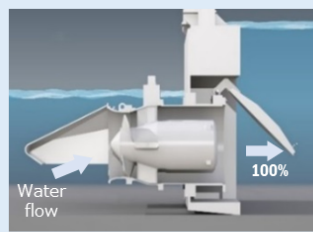
Horizontal submersible pump that enables full speed operation not depending on the water level
 Provide stable operation for the various driving situation including low water level and water level fluctuation

Smooth transition between each operation mode. Rapid discharge at emergency.



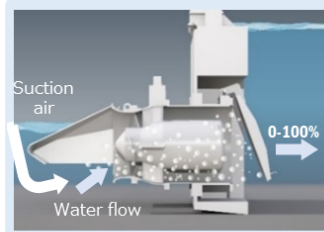
Idling operation

Wait for inflowing. Preceding standby condition.



Max-discharge operation

Same discharging operation as the conventional pumps.



Air/water operation

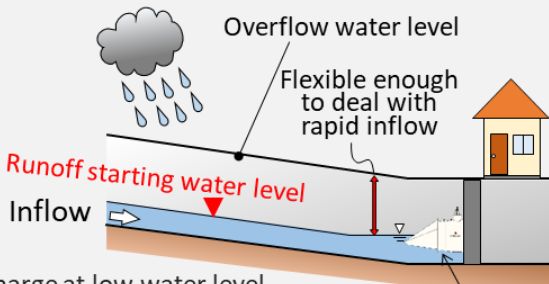
Discharge the mixture of air and water. Discharge volume varies depending on the water level of the suction side.



Standby operation

No discharge operation. A timer stops a pump after a set time elapses.

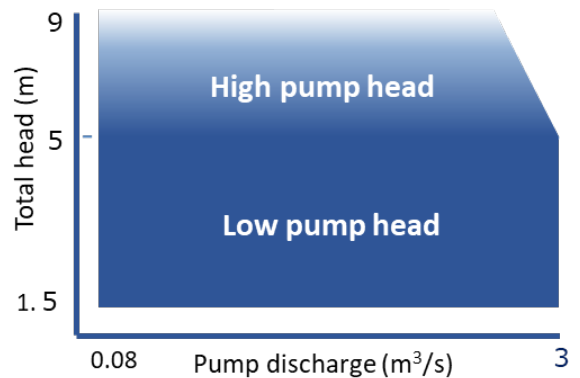
Ready for localized downpour



Start discharge at low water level and hold down water level
 →Flexible to rapid inflow

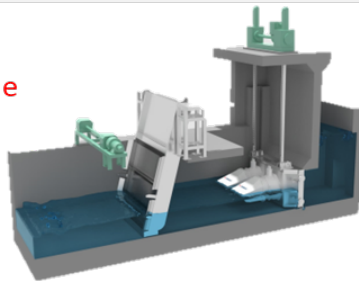
All speed/water level-adaptive horizontal submersible pump

Extend total head from 5m to 9m →Expand application

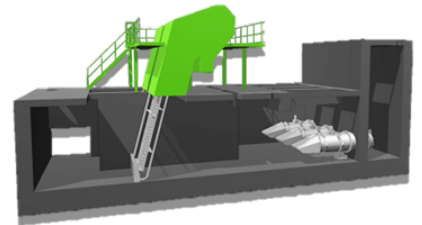


Pump gate style (with gate)

Setting example



Fixed style (no gate)



Needs

- Rapid improvement of space-saving rainwater pumping stations

Benefits

- Reduce flooding damage against a rapid increase in inflows
- Easy operation setting
- Require no inverter to reduce construction cost and LCC