NEWTONUS PUMP

SUBMERSIBLE DEEP WELL PUMP, BORE HOLE 4", 6" & 8"

SF model

We are professional engineers for energy saving pump & piping

General

Application :

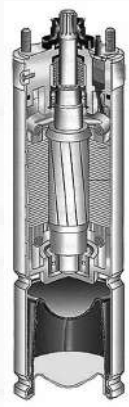
-Commercial Building (Transfer to reservoir; boosting to krans, wastafel, shower, toilet, sprinkle, etc)
-Industrial (Transfer to reservoir ; boosting to krans, wastafel, shower, toilet, garden sprinkle, etc)
-Residencial (Transfer to reservoir; boosting to krans, wastafel, shower, toilet, washing machine, etc.)
-Water management, water treatment (Transfer to reservoir, boosting to customer)
-Agriculture, farming, golf course (Transfer to reservoir, Irrigation, boosting to sprinkle)
-Mining (Transfer to reservoir, boosting to sprinkle, dewatering)
-Sea water desalination (Transfer to reservoir, booster)
-Washing/Car washing (boosting to nozzel/ sprinkle)
-Water mountain (Boosting to nozzel/ sprinkle)

Specification :

-Max. flow 240 M3/hour
-Max. head 350 meter
-Max liquid temperatur 40 deg.C
-Max. working pressure 38Bar
-Outlet diameter, min. 1 1/4" & max. 6"
-Motor diameter 4", 6" and 8"
-Liquid pH 6 - 9, clean liquid non grain/fiber

Electric motor :

-3Ph/380V-415V/50Hz/2P
-1Ph/220V-240V/50Hz/2P
-Insulation class B, protection clas IP68
-Maximum power : 110 kW



Features :

-Silent pump or very low noise when the pump is running, although at the high pressure.
-Built in check valve to prevent water back flow, when the motor is stoped.
-Not only to be used in deep well, but deep well pump is recomended to be installed of horisontal in reservoir tank, in the suplay pipe for boosting and in the lake, etc.

Engineering & pricing solution

The energy saving & long life time of pump is our focus. The pump energy saving is not only determined by pump efficiency, but also depending by pipe diameter, controller, etc. Therefore we are ready to give consultation or trainning of piping engineering (Free of charge) before purchase the pumps, for as below :

-Calculation to determine the pump flow & total head, pipe diameter & material (inlet/ outlet pipe)
-To avoid cavitation, the suction pipe (negative/positive suction) should be calculated max. suction lift (Hs).
-Selection of pump controller according to the application system
-Selection of pump type according to flow, total head, material and electrical power
-Selection of cheaper price with similar or better pump & application

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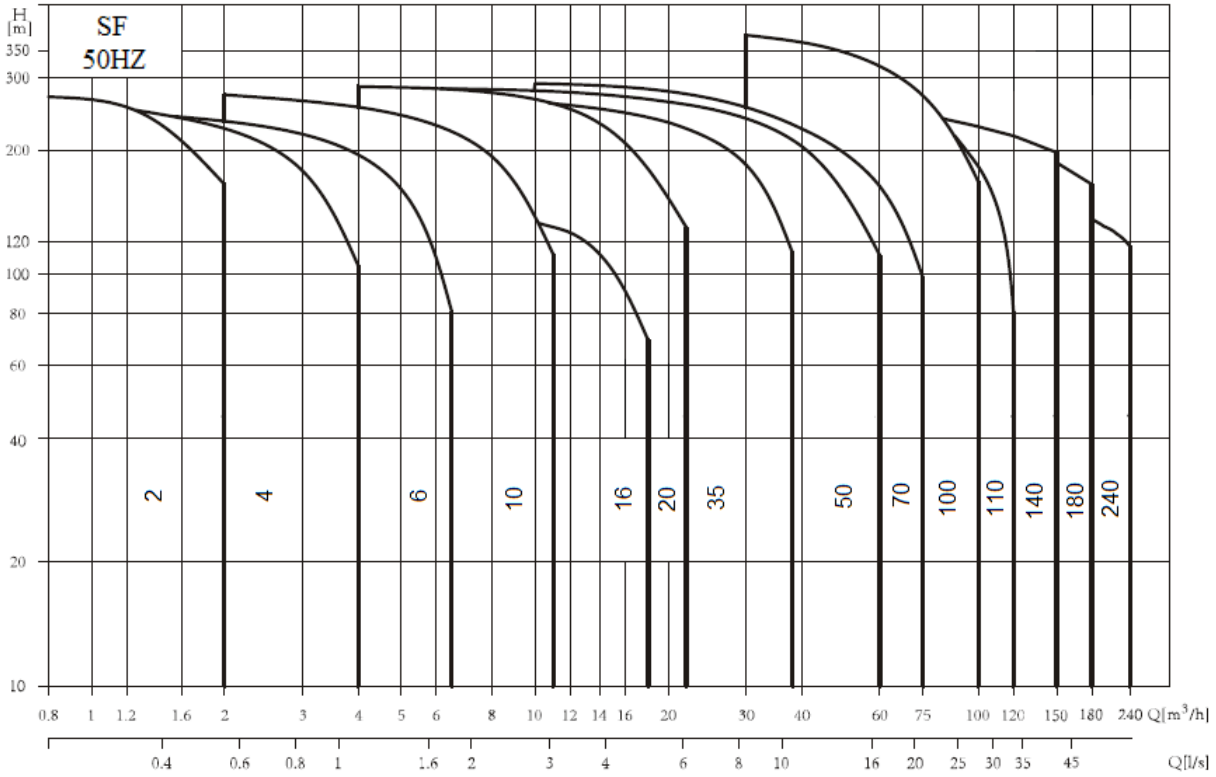
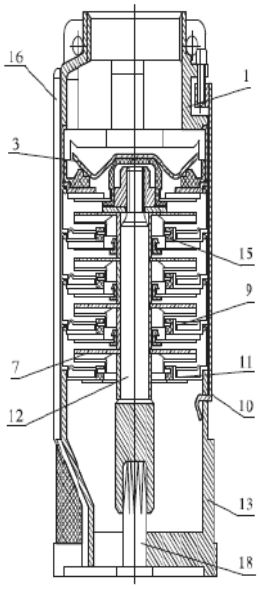
Technical

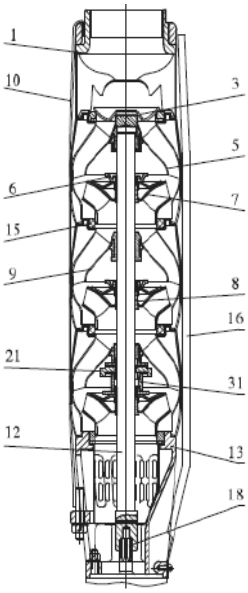
Performance curve :



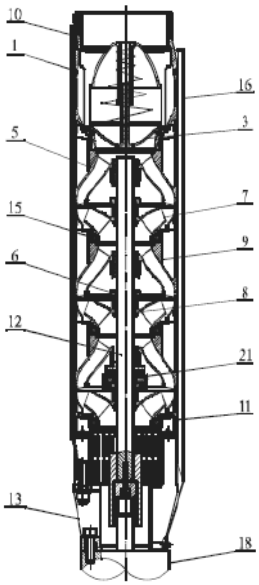
Component & Material :



SF6



SF50



SF110

NO.	Name	Material
1	Discharge head	SS304
3	Valve cap	SS304
5	Discharge diffuser	SS304
6	Impeller nut	SS304
7	Impeller	SS304
8	Impeller cone	SS304
9	Diffuser	SS304
10	Straps	SS304
11	Inducer	SS304
12	Pump shaft	SS304/420/431
13	Suction Interconnector	SS304
15	Neck ring	PBT/NBR
16	Cable guard	SS304
18	Submersible motor	
21	Inlet spacer	Carbon
31	Connecting sleeve	SS304

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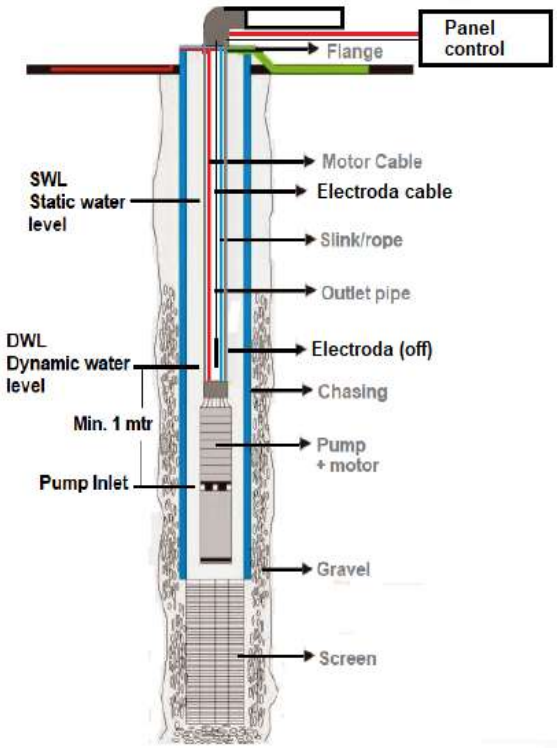
Vertical Installation:

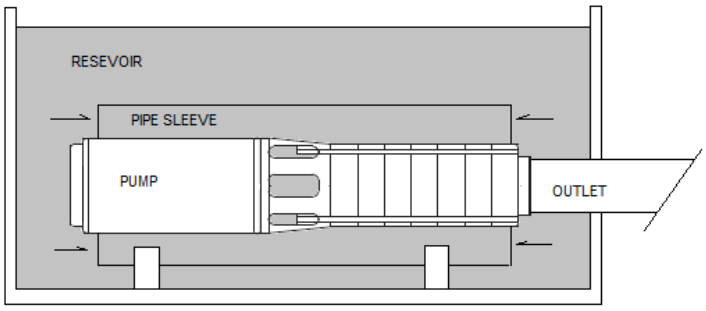


Horisontal installation in deep well

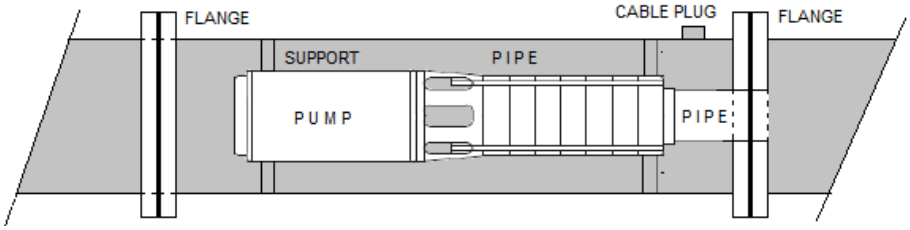
Panel control, with standart protection :

- Dry running
- Unstable voltage
- Short cable
- Wrong of phase
- Overload

Horisontal Installation :



Horisontal installation in the reservoir, lake, etc.
The pipe sleeve is used to arrange water flow and to maintain the motor temperature is not increasing & burning.



Horisontal installation in supply pipe for booster (Single pump). To be installed if pressure is lack at the lenght pipe

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