SS Series
Single Stage Double Suction
Horizontal Split Casing Pump

Features And Benefits

* Low Noise
* Stable Running

Applications

* It is suitable for water supply and drainage in factories, mines, cities and electric station, waterlogged land drainage and irrigation of farming land and carious hydraulic projects.

Technical Data

*	Diameter	150mm ~ 800mm
*	Head Range	10m ~ 135m
*	Temperature	80°C (Max.)

ISO 9001

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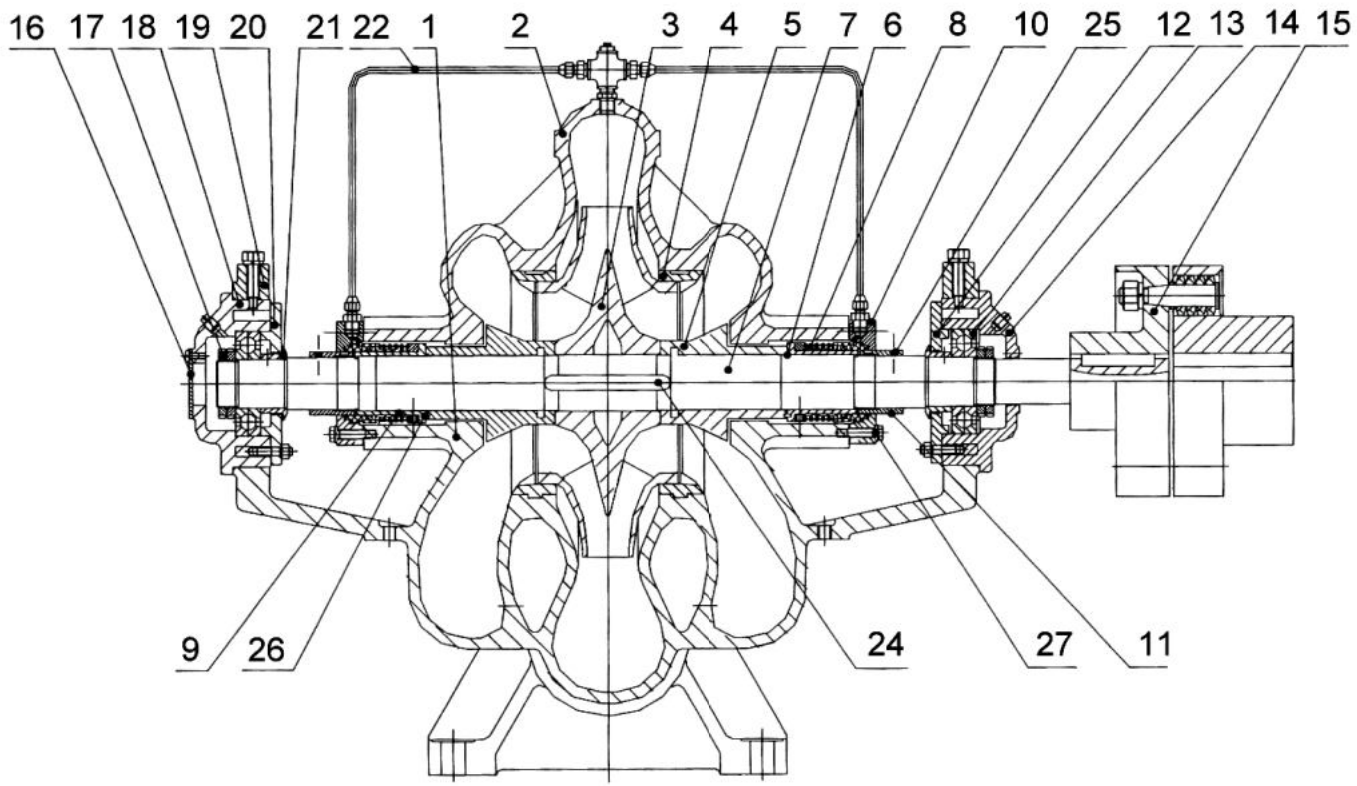
Standard Construction of SS Series Pumps



1	Casing	5	Mech Sleeve A	9	Mech Sleeve B	13	Rolling Bearing	17	Circle Nut	21	Bearing	25	End Firm Bolt
2	Cover	6	O Ring	10	Sleeve Cover	14	Right Bearing	18	Left Bearing	22	Seal Pipe	26	Circle
3	Impeller	7	Shaft	11	Sleeve Nut	15	Coupling	19	Bearing Gland Cover	23	Bolt	27	Bolts
4	Double Suction Wear Ring	8	Mech Seal	12	Right Bearing Gland Cover	16	Left Bearing Cover	20	Left Bearing Gland Cover	24	Key		

Note: Pump with water seal slot has no seal pipe. Normal supply pump is with water seal slot.

General Data

SS Series pumps are single stage double suction horizontal split casing pump and used to transport pure water and the liquid of both physical and chemical nature similar to those of water, the maximum temperature of which must not be over 80°C, suitable for water supply and drainage and irrigation of farming land and carious hydraulic projects.

Description of Structure

Both inlet and outlet of this pump are placed under the axial line, horizontally and vertical to the axial line, the pump casing is opened in the middle so it is unnecessary to remove the water inlet and outlet pipelines and motor (or other prime movers). The pump moves CW viewing from the clutch to it. The pump moving CCW can also be made, but it should be specially noted at order.

The main parts of the pump are: (1) pump casing, (2) pump cover, (3) impeller, (4) double suction wear ring, (7) shaft, (8) mech. seal, (21) bearing etc. and all of them, except the axle which is made of quality carbon steel, are made of cast iron. The material may be replaced with others upon different media.

Both pump casing and cover form the working chamber of the impeller and there are threaded holes for mounting vacuum and pressure meters on the flanges at both inlet and outlet and for water draining on the lower side of them.

The impeller is static balance calibrated, fixed with the muff and the muff nuts in both sides and its axial position can be adjusted via the nuts and axial force gets balanced by means of the symmetrical arrangement of its blades, there may be residual axial force which is borne by the bearing at the axle end.

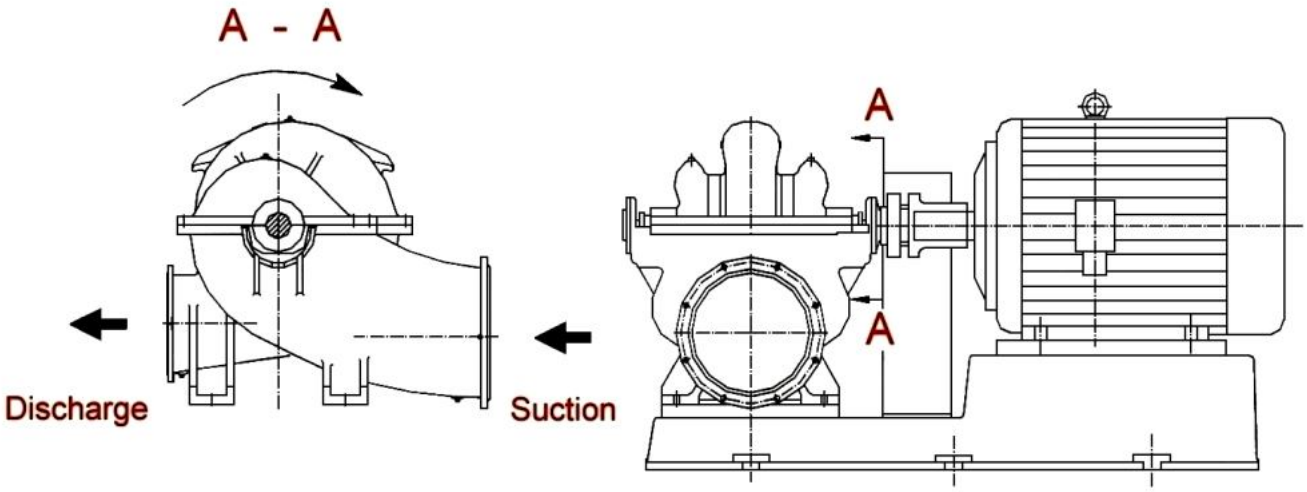
The pump shaft is supported by two single column centripetal ball bearings, which are mounted inside of the bearing body on both ends of the pump and lubricated with grease. The dual suction seal ring is used to reduce the leak at the impeller.

The pump is driven directly means of connecting to it via an elastic clutch. (Set up a stand additionally in case of a rubber band driving).

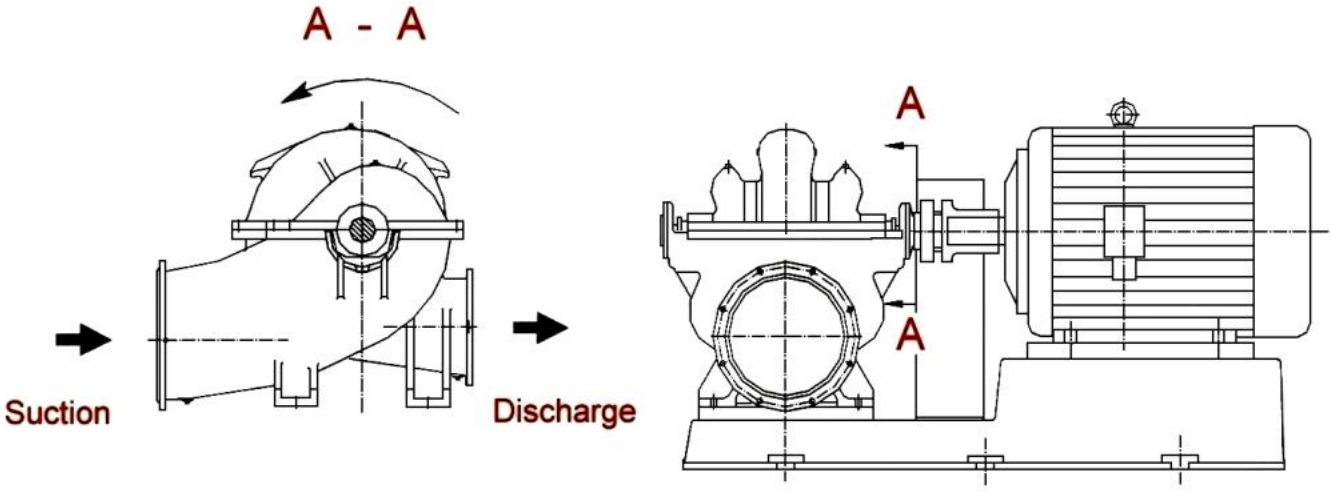
The shaft seal is packing seal and, to cool and lubricate the seal cavity and prevent air from getting into the pump, there is a packing ring between the packing. A small volume of high-pressure water flows into the packing cavity via the tapered beard during the pump's working to act as a water seal.

Rotation Direction:

Standard Type: Clock wise rotation from drive end.



Special Type Counter clock wise rotation from dirve end.



Note: Couter clock-wise rotation pump must be noted in order.

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