



GSP

Split Case Double Suction Pump



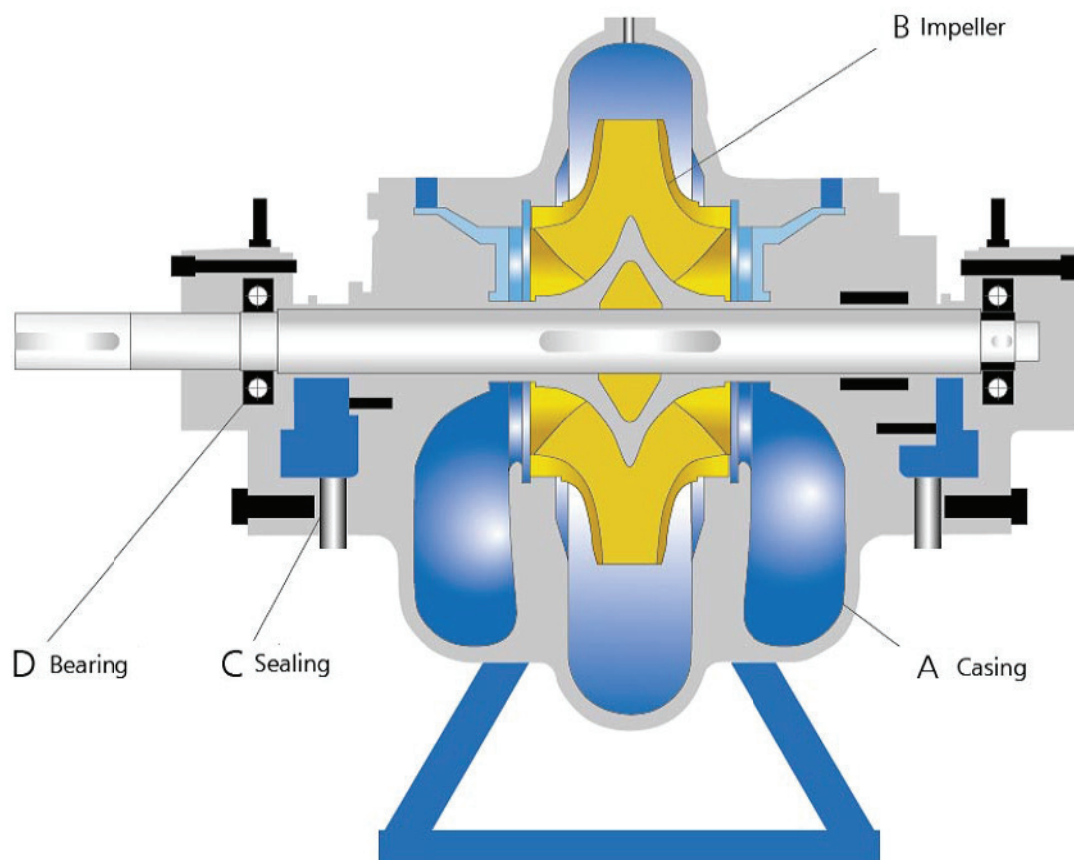
GSP Split case double suction pump is dedicated to meet different customer needs.

The main application

- Municipal and industry water supply
- Heating System
- Power plant and industry cooling system
- Fire fighting system
- Desalination plant
- Irrigation and drainage plan
- Marine, off-shore platform and LNG Terminal pumping system
- Building service and industrial plants



Structural features



A. Casing

1. In line axially split design, easy installataion and maintance
2. Double-entry impeller minimize axial trust
3. Replaceable wear rings make sure long-term efficiency running
4. Flange according to ISO, DIN, BS and ANSI standard

C. Sealing

Sealing option: packing or mechanical sealing

B. Impeller

1. Using CFD high technology on hydraulic design
2. Double entry minimize axial trust on bearing
3. Dynamic balance high speed pump, make sure stable
4. Total enclosed shaft make sure no thread expose, with replaceable sleeves

D. Bearing

1. SKF, FAG brand
2. Grease lubrication, no need maintance; oil lubrication for option

Technical Parameters

Flow : 50- 20000 m³/h

Head : 10 - 230m

Pump discharge diameter: 80-1200mm

Pressure of work: $P \leq 5\text{MPa}$

Delivery temperature : -20℃ - +200℃
(Please further consulting above 80 ℃)

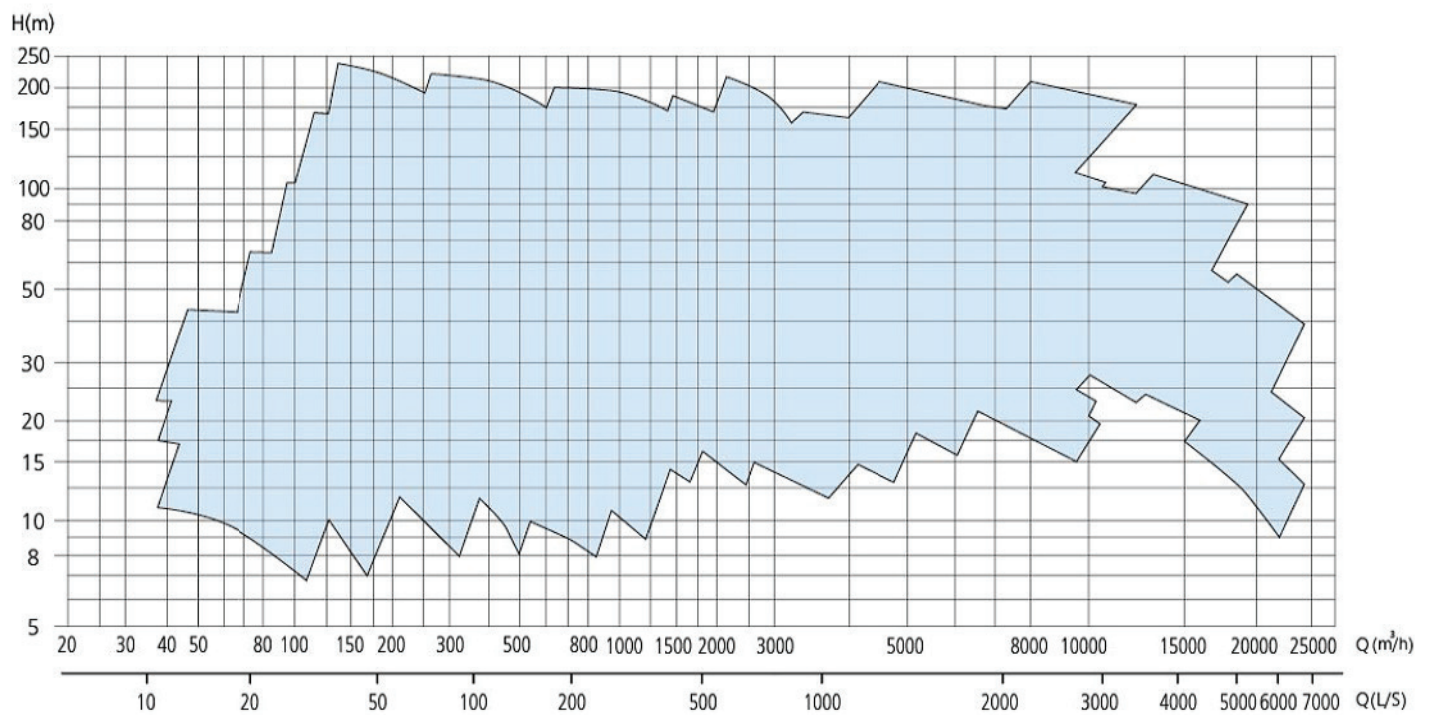
Abrasive medium concentration: $\leq 4\%$



Material configuration table

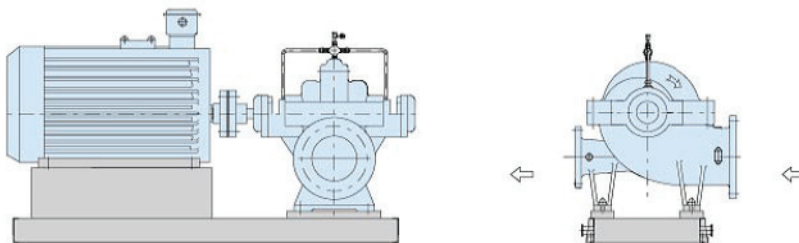
Description	Standard	Optional
Casing	Cast iron HT250	Dudular cast iron / cast steel / 2Cr13 / 304/316 / 316L / duplex stainless steel
Impeller	304 stainless steel	Gray iron / dudular cast iron / brass / bronze / 2Cr13 / 316 / 316L / duplex stainless steel
Shaft	Stainless steel 2Cr13	304/316 / 316L / duplex stainless steel
Seal ring	Cast iron HT250	Dudular cast iron / brass / 2Cr13 / 304/316 / 316L / duplex stainless steel
Shaft sleeve	Stainless steel 2Cr13	Duplex stainless steel
Seal type	Mechanical seals	Packing / cartridge mechanical seal

Selection chart

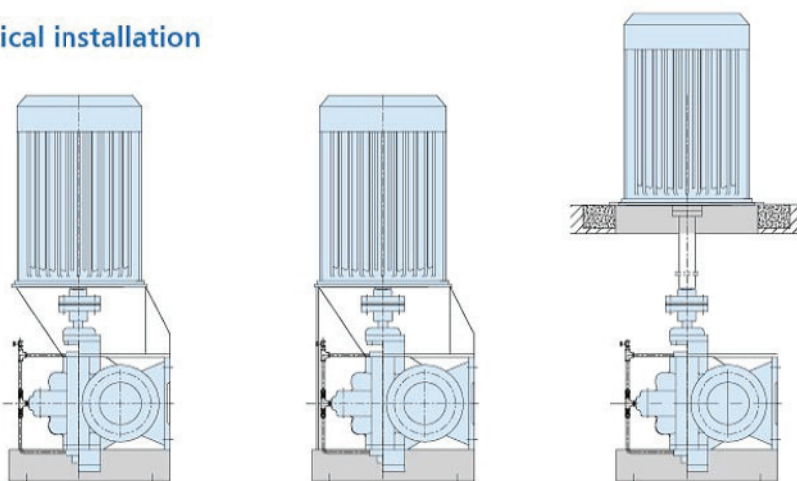


Installation methods

Horizontal installation



Vertical installation



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The name Xylem is derived from classical Greek and is the tissue that transports water in plants, highlighting the engineering efficiency of our water-centric business by linking it with the best water transportation of all that which occurs in nature. For more information, please visit us at www.xyleminc.com



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