

Complete Electric Submersible Centrifugal Pumping systems



Submersible centrifugal pump
(Formation fluid lift)



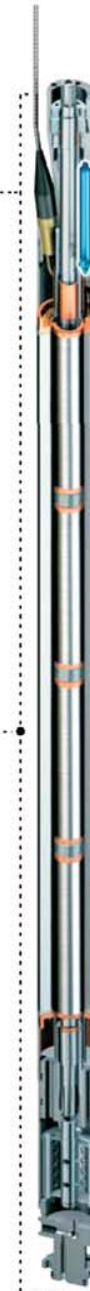
Gas separator
(Separates free gas from fluid before it reaches the pump intake)



Hydroprotector
(Prevents fluid from entering the motor and equalizes internal motor pressure with the annulus pressure)



Submersible electric motor
(Pump drive)



switchboard
(Motor control/protection, monitoring of power supplies)



Electric Submersible Pump

Submersible Centrifugal Pump

Gas Processors

Protector

Motor

An electric submersible pumping system consists of three parts, which includes surface part, middle part and downhole ESP. Surface part mainly includes transformer, switchboard, junction box, wellhead and surface cable. Middle part is power cable and cable extension which connect surface and downhole equipment and provide motor with power. Downhole part is the main part of the system which includes electric submergible motor, protector, gas separator and multi-stage centrifugal pump.

ESP system is applicable to the production casing of 5"、 5 1/2"、 7"、 8 5/8"、 9 5/8" and above.

Capacity:200-25160BPD (30—4000m³/d).

Head: <14760ft(4500m).