

Catalog

Oil field
water
treatment
system



Oil field water treatment system

1. New high efficiency oil filter polluted water

Currently, domestic in oilfield wastewater treatment of filters used in two categories, That is filling filters and filter mounted filters, there are two kinds of particle state, fibrous in filling filter. Particulate filter are mainly quartz sand, shell, ceramic sand, emery, activated carbon, multi-faceted hollow ball, zeolite, anthracite, honeycomb inclined tube filler, stone and so on. Fiber filter states are mainly fiber balls, fiber bundles, modified fiber ball, cotton yarn and so on. Dimensional filter the key is fiber filter, The filter cartridge mounted key to element is filter, New high-efficiency filters, especially filters widely used fillers, the company mainly engaged in the choice of materials is not dominant characteristic, but rather to engage in structural particularity. Special structure to ensure more filter area, recoil more thorough, compaction is not obvious ,effluent water is clearer. Oilfield wastewater filters through the national ISO9001 certification.



Oilfield wastewater filters of Existing



Fiber ball media



Oilfield wastewater filters are commonly used filter media

2. Microwave viscosity reduction device

Greatly reduced ternary oilfield poly wastewater containing viscosity, reduction of conventional wastewater treatment process sedimentation settling time, greatly reduce water mixed layer height, improve water separation efficiency. The project through the national ISO9001 certification.



Sludge thickening device



Devices the treated solid stream constitution(Natural drying one week)

3. Sludge thickening device

Through the combined effects of hydrocyclone and centrifuges, the oilfield related process wastewater suspended solids separated from the water. About 1:1 to form mud flow near solid body, clean up the oil pipeline network or equipment, so that artificial dredging cycle extension more than 10 times. The stand-alone system capacity can reach 5000 square every scale. The project through the national ISO9001 certification.

4. Pneumatothermal the boiler fees reuse system

Oilfield oil transfer station or transfer station heating furnace heat recovery technology fee. Through the preheater the intake pipes, heating energy use thermal conversion fee, harmless of gas outlet plasma processing technology, to achieve energy (gas savings of around 5%), environmental protection goals.

5. Consolidated scale prevention Devices

Scale prevention devices is the use of integrated electronic circuit generates high-frequency electromagnetic oscillations. Between the poles of the fixed spiral a certain strength frequency electromagnetic field. Frequency electromagnetic energy in the absorption of water, the water molecules as dipolar molecules are constantly repeated to produce polarized twisted, distorted, reverse, vibration, forming a highly active single molecule or a small group of state co-Di, thus enhancing the dipole moment of water molecules, promote water right into the dirt substance and its components in the way, the presence of water, sediments and associated morphological and physical properties of ions and other ions in water molecules bound state, Fouling chemicals the body makes to sediment precipitated, particles precipitated is fine amorphous existence, Ultimately achieve scale and loose flaking the purpose of the scale has been generated. Water and dirt under peeling away

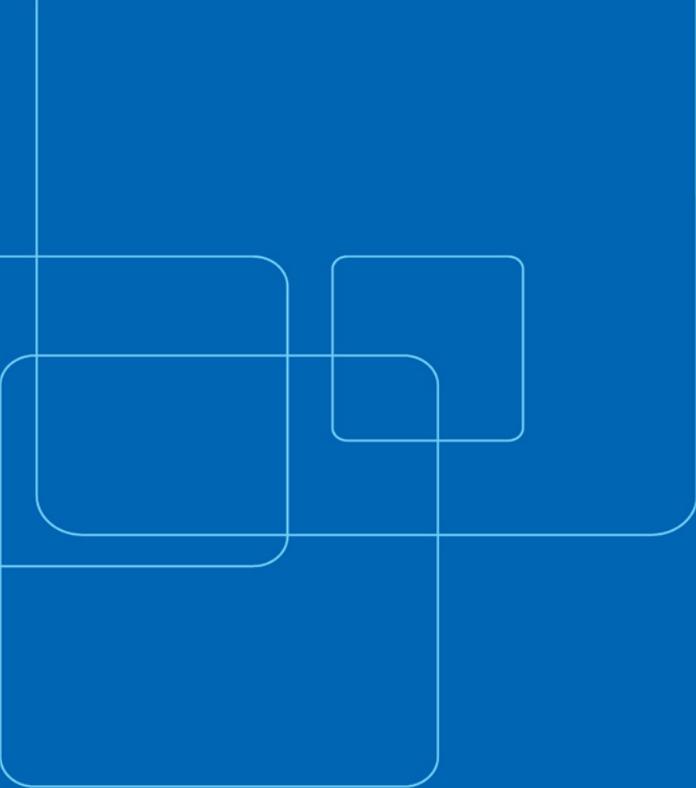
with the water quality, access to the descaling effect, Since the spiral coil in the water by devices of a series of pulses induced a positive voltage, it is applied to the negative electrode of the metal wall, so that in the water between the electrodes and the wall effect, the wall surface forming an oxide protective film to prevent the pipeline corrosion, while scale cleaning in the extended life of the pipeline.



General sterilization installment application in the field

6. Combination sterilization Devices

In the oil recovery process, in order to increase oil production, many oil fields for secondary injection to maintain oil pressure, enhanced oil recovery. But in the oil field injection water system, there are a large number of micro-organisms (such as sulfate-reducing bacteria, saprophytic bacteria, iron bacteria). Their growth, reproduction process, will cause water pipeline blockages that water injection and oil production decline, and even cause localized corrosion of metals, causing corrosion perforation injection line, resulting in huge economic losses. The oil is commonly used methods of sterilization is adding chemical biocides. However, adding chemical biocides will change the chemical composition of the water, by-products into the toxic chemicals, causing secondary pollution of water. And long-term use will make the same kind of biocides resistant bacteria, the sterilizing effect is reduced, thus providing new and efficient oilfield equipment sterilization, to overcome the negative impact of biocides for the protection of oilfield sustainable green production has important significance. In addition, in recent years, the company developed and developing a new type of polymer dispersed dissolving device, the top drivers in the oilfield drilling and workover equipment, and so on, they are widely recognized.



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