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Case Study

Skid Mounted Multimedia Filtration System for Iron Removal, 400 GPM – USA

Project Summary

1. Destination Country: USA
2. Application: Iron removal
3. Feed water: Well water
4. Type of system: Skid mounted multimedia filtration system
5. Capacity: 400 GPM
6. Manufacturing date: June 16, 2017

Iron ions occurs naturally in soil, sediments and ground water and can be found in many types of soils or rocks. Iron can be present in water in two forms; dissolved or soluble or named as ferrous iron or the insoluble ferric iron also called precipitated iron. Water containing dissolved ferrous iron is clear and colorless, and when exposed to an oxidizing agent such as chlorine or to the air, the water turns cloudy which will be causing a reddish brown precipitate of ferric iron appears. After the iron is oxidized, then it is easy to capture it by multi media or green sand filter.

This is a Skid Mounted Multi Media Filtration System, each tank is 54-in. in diameter with a capacity of 400 GPM. The system includes electrical valves that can be manually bypassed in case of emergencies or power failure.



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Specifications:

- Advanced PLC
- Epoxy coated steel tanks
- Skid mounted system
- Stainless steel internals
- System can be operated in parallel or series
- Digital pressure sensors
- Chlorine analyzer provision

Features:

Learn more about all the [features of Pure Aqua multimedia filtration systems](#)

Usage:

In this project, the usage is for water treatment for this is for iron removal for process water

Learn more about [Pure Aqua multimedia filtration usage and applications](#)

Document & Data Sheet:

[Industrial Multimedia Water Filtration Systems Data Sheet](#)

Video:

Watch it on [Pure Aqua, Inc. YouTube Channel](#)

Recommended Products:

[Industrial Steel Tank Water Media Filter MF-1000](#)



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[Industrial FRP Tank Water Media Filter MF-600](#)

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