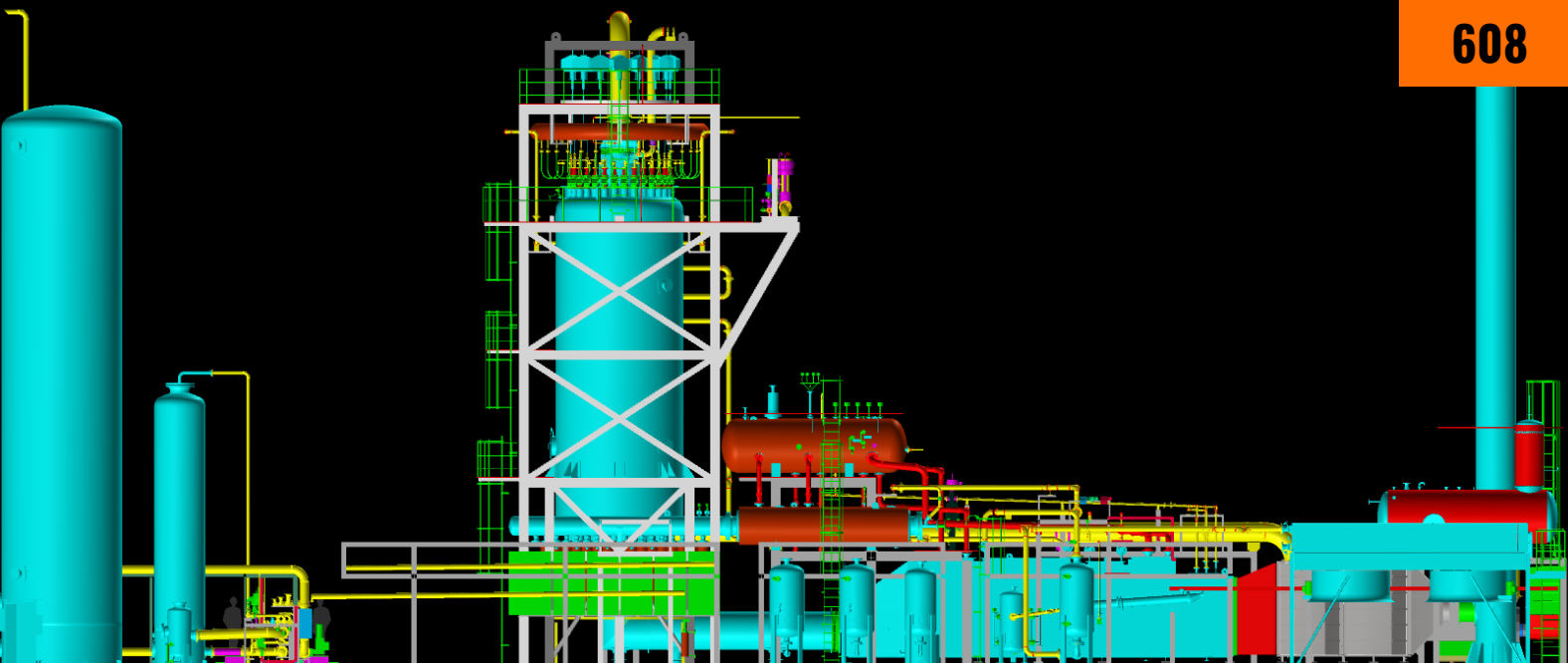


Plant #
608



Hydrogen Plant - 6,000 Nm3/hr (5 MMSCFD)

Capacity: 6,000 Nm3/hr

Process Information: Hydrogen Plant with Caloric process technology to produce 99.99% hydrogen at 200 psig.

Major Equipment

- Main burner
- Ignition burner
- Reformer
- Combustion air preheater
- NG Feed preheater
- Feed/Steam preheater
- Evaporators
- Economizer
- Combustion air blower
- Hydrogenator
- Desulphuriser
- Steam Drum
- Feed preheater
- Blow down drum
- BFW pumps
- Syngas drums
- CO-shift
- Syngas air cooler
- Syngas trim cooler
- Separator
- Adsorbers
- H2 recycle compressors
- Knock out drum

Brief Plant Description

Unused, never-installed 6,000 Nm3/hr (5 MMSCFD) Hydrogen Plant with Caloric process technology to produce 99.99% hydrogen at 200 psig. Equipment manufactured in 2019. The plant includes the following process sections: Desulfurization (HDS), Steam reforming (SMR), Steam production (steam drum), CO shift (shift reaction), H2 purification (PSA), H2 compression. Consumption at 100% production load: natural gas 2,688 Nm3/hr, demin water 3.3 m3/hr, N2 70 Nm3/hr.

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