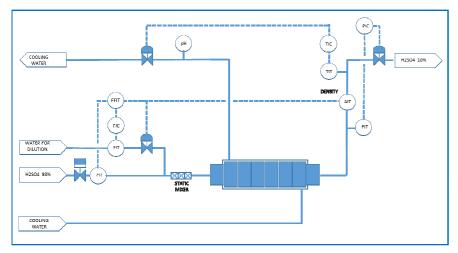
DILUTION OF STRONG ACID

H₂SO₄ OR HCL DILUTION PROCESS TECHNOLOGY

A UNIQUE TECHNOLOGY TO OPTIMIZE PRODUCTION

Référence: F03_1_E





Dilution Skid – 96T/h 84% H₂SO₄

Typical Process PFD

BENEFIT #1: OPERATION BENEFIT #2 : CONCENTRATION

BENEFIT #3: VERSATILITY BENEFIT #4 : ENERGY SAVING

Can be used for:

- continuous operation
- batch operation.

Can be used to deliver diluted acid at any concentration.

Can be used for all corrosive fluids:

- HCl (hydrochloric acid)
- H2SO4 (sulfuric acid)
- HF (hydrofluoric acid)

Can be used to recover heat coming from the exothermic reaction between strong acid and water.

HEAT EXCHANGER MADE IN GRAPHILOR®

THE WEAPON OF CHOICE FOR CORROSION RESISTANCE (NOTE: OTHER MATERIALS ALSO AVAILABLE SUCH AS SILICON CARBIDE, ETC.)



DILUTION OF STRONG ACID

H2SO4 OR HCL DILUTION PROCESS TECHNOLOGY

MERSEN PROPOSES THREE PACKAGES WITH OPTIONS

BASIC PACKAGE

INCLUDES PIPING, INSTRUMENTATION AND MIXER IN A SKID PACKAGE

This is a "no heat exchanger " package with dilution only.

→ Generally perfect for diluting 93% acid below ~15% wt

STANDARD PACKAGE

INCLUDES PIPING, INSTRUMENTATION, MIXER AND A HEAT EXCHANGER IN A SKID PACKAGE.

→ Perfect for diluting 98% acid to above ~70% or for diluting 93% acid above ~15%

PREMIUM PACKAGE

INCLUDES PIPING, INSTRUMENTATION, MIXER AND TWO HEAT EXCHANGERS IN A SKID PACKAGE.

→ Perfect for diluting 98% acid below ~70%

FLEXI+ AND/OR PUMP+ OPTIONS

THE FLEXI+ CONTROL OPTION AND PUMP+ OPTION CAN ADD A COMPLETE CONTROL SYSTEM AND/OR FEED PUMPS TO ANY OF THE ABOVE PACKAGES.

