



FIB *industries*

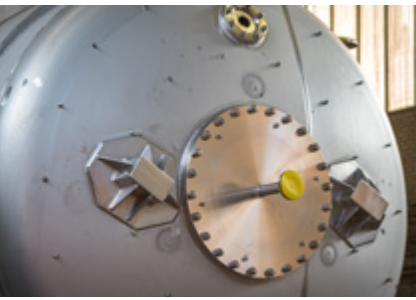
an **ANDUS** group company



Product overview

Crystallizers

75 years excellence in serving the global industry



At a glance

Design options

Horizontal and vertical crystallizers
Internal heating or cooling with spiral coil
External heating or cooling with a half-pipe coil, double jacket or dimple jacket
Inside polished to $Ra < 0.2 \mu$
Possibly fitted with (scraper) agitator
Manufacture within close tolerances

Design

Design codes ASME Section VIII Division 1 and 2, AD 2000, EN 13445, PD 5500
Software PV-Elite, Nozzlepro, Autopipe (incl. FEA Analysis)
Fatigue and stress calculations for pressure and temperature cycles
Calculation of seismic and wind loads according to local requirements

Sectors

Chemicals, Food & Pharmaceuticals, Water Treatment and other sectors

Certificates

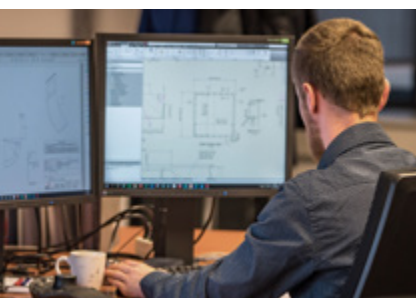
PED Module H and H1, ASME U-stamp, U2-stamp and R-stamp, CML + TSG 21-2016 (P.R. China)

Construction materials

Stainless steel: 6MO; 254SMO; 1.43xx; 1.44xx; 1.45xx; 1.49xx
Duplex; Super Duplex; Lean Duplex; SAF 2507
High Ni-Alloys

Manufacturing capacity (maximum)

Weight 300 tons
Diameter 9 m
Height 20 m
Length 45 m
Wall thickness 3 mm - 50 mm



FIB Industries

FIB Industries is a major player in the market for process equipment and pressure vessels. FIB is well-known for special and complex equipment and delivers worldwide to global and regional customers. FIB supplies stainless steel and high-grade nickel alloy equipment in all process applications making it an essential component for the high-end industrial markets.