

## Breech-Lock Heat Exchanger

**For the first time in IRAN, MSA managed to make breech-lock heat exchanger.**

ISOMAX process unit is one of the major units in oil refineries in which heavy and impure hydrocarbons remaining from the oil process (such as fuel and diesel oil) are broken down into lighter hydrocarbons with higher value added. Products refined in this unit have much higher quality than those obtained from distillation towers. Equipment used in this unit should be highly resistant to pressure and temperature.

For the first time in the country MSA managed to make breech-lock heat exchanger.

In ISOMAX unit heat exchanger, hydrocarbon together with hydrogen enters the exchanger on channel side with a temperature of 272°C, 194 barg, and flow rate of 279 kg l hr causing the initial hydrocarbons to get heated up to 211 °C under a pressure of 117 barg and flow rate of 209 kg l hr. Dimensionsofthisheatexchanger are 2600x2600x7300 mm and weighs 33400 kg.

An important feature of this heat exchanger is making the body of seamless forged tube sheet and channel in one - piece.

MSA made the supply of this heat exchanger possible in the country by fabricating such an equipment which requires modern technology due to its exclusive features.

مس کامونیزیا دحاو Breech-lock ی ترارد لیدیم



س کاموزیا دحاو Breech-lock ی ترار د ل دیم

