

Mechanical Vapor Compression (MVC)



JGC, Turkmenbashi, Turkmenistan

Two MVC units, 2,940 cum/day each, have been installed and are presently operating at the Turkmenistan Refinery in Turkmenistan.

Total production capacity: 5,880 cum/day of pure water at 2 ppm TDS, used for the refinery process.

Client: JGC Cooperation (Japan), Turkmenbashi, Turkmenistan.

Refining Plant Polypropylene & Utility Project

Site	Turkmenbashi, Turkmenistan
Commissioning	December 2000
Capacity of each unit	2,940 cum/day
Number of units	2
Total desalination plant capacity	5,880 cum/day
Plant site dimensions	(40 x 20) (m x m)
Steam quantity required	Nom. 1.5 ton/hr (at 3.2 ata)
Maximum electrical consumption	8.2 kWh/m ³
Feed water salinity	16,500 ppm TDS
Feed water temperature	-1°C - 32°C
Delivery date	2000

