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## One Process Gas Compressor to China

### **Burckhardt Compression delivers one process gas compressor to China for the Yangzi Petrochemical Company.**

Burckhardt Compression recorded an order of one compressor from Yangzi Petrochemical Company in China. The engineering is done by Luoyang Engineering Company in China. The contract comprises one hydrogen make-up reciprocating compressor, two cylinders, two compression stages, the main driver and all the auxiliaries and accessories.

The compressor delivers hydrogen and hydrocarbons for the aromatic plant in Yangzi and is driven by a heavy duty 2400 kW electric motor. For this specific process which requires knowledge of the materials to be used and of the involved forces, only experienced manufacturers can supply the adequate machine. The compressor is manufactured according to API618 4th edition and is scheduled to be delivered by the end of March 2004. Burckhardt Compression had great support from its subsidiary in China in securing the order.

#### *Technical data*

Process	Hydrogen make-up - aromatics
Suction pressure	55 bar a
Discharge pressure	159 bar a

Process gas compressors are used in the refinery and petrochemical industry. The process gas compressors, manufactured by Burckhardt Compression, can be delivered oil-free or lubricated, horizontal or vertical, according to API 618 specifications. For hydrogen, hydrocarbons and corrosive gases. Discharge pressure up to 1'000 bar (15,000 psi), flow up to 100'000 Nm<sup>3</sup>/h (65,000 scfm), power up to 9'700 kW (13,0000 HP).

Burckhardt Compression is a world leader in reciprocating compressor technology and the only manufacturer of a complete series of labyrinth piston (Laby®), process gas, and hyper compressors for numerous applications. Their compressors are used in the field of oil refining, chemical and petrochemical industries, air separation, as well as gas transport and storage. Burckhardt Compression's worldwide service network ensures a wide customer support service; analysis of compressor performance, complete plant overhaul, consultation, or fulfilling extensive maintenance contracts.

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*Please send a copy of the publication to Ms. L. Heller. Thank you.*