

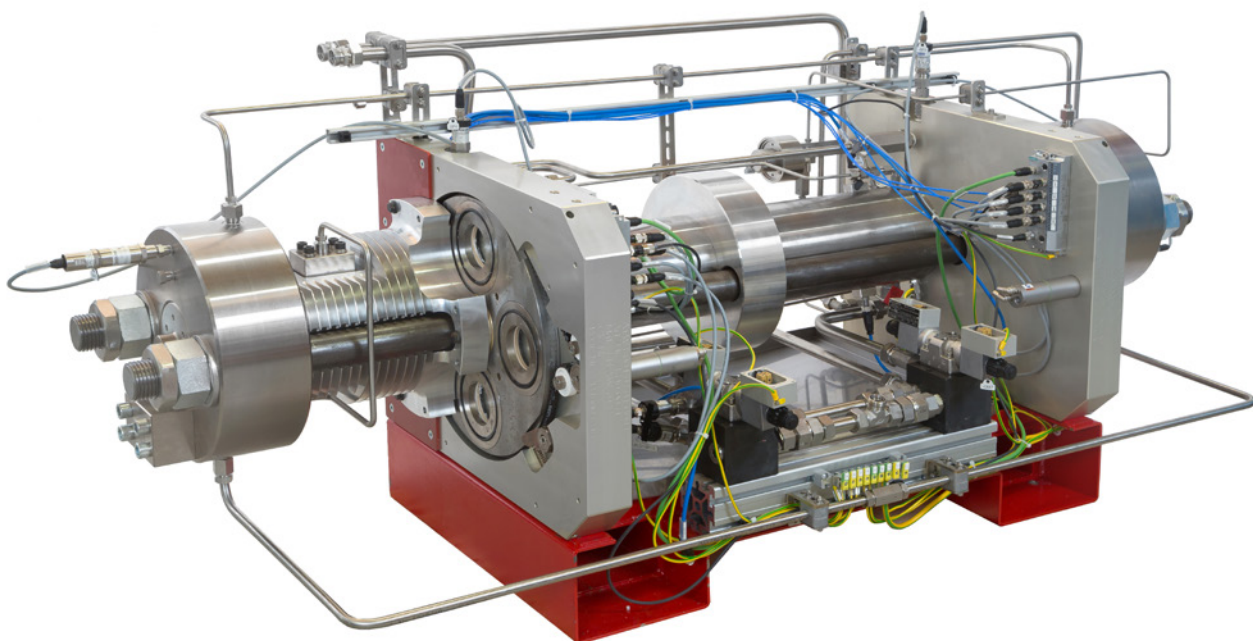
# MAXIMATOR®

## Maximum Pressure.



High Pressure Technology • Testing Equipment  
Hydraulics • Pneumatics

## H<sub>2</sub> MAX-Compression & MAX-Power with ASX-Technology (Automatic Seal Exchange)



Release 06/2020 • MAXIMATOR • Product information MAX-Compression & MAX-Power

### Application

The MAX-Compression with ASX-Technology is a hydraulically driven gas compression system up to 1.000 bar.

The ASX-Technology (Automatic Seal Exchange) includes continuous leakage detection and automatic exchange of worn seals. The seals are arranged within a rotary disc which is equipped with 4 seals in total. In case of a certain leak rate the rotary disc rotates and automatically switch a new seal into operation.

MAX-Power is the appendant hydraulic unit to power two MAX-Compression stages. It is realized as a partly closed loop hydraulic system to reduce unnecessary losses and increase the overall efficiency and availability.

### Features

- Hydraulically driven (partly closed loop)
- ASX-Technology (Automatic Seal Exchange)
- Max. discharge pressure up to 1.000 bar
- Max. compressor capacity above 1.200 Nm<sup>3</sup>/h (100 kg/h) H<sub>2</sub>
- Average Energy Consumption ≈ 1,0 kWh/kg H<sub>2</sub>

Please consult factory for more information. All technical and dimensional information subject to change. All General Terms and Conditions of sale, including limitations of our liability, apply to all products and services sold.

MAXIMATOR GmbH, Lange Strasse 6, 99734 Nordhausen, Telephone +49 (0) 3631 9533 - 0, Fax +49 (0) 3631 9533 - 5010, [www.maximator.de](http://www.maximator.de), [info@maximator.de](mailto:info@maximator.de)

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### Technical Data

#### Product Information

Type: High pressure hydrogen compressor  
available pressure ratios: 2 stages up to 1:40

#### MAX-Compression dimensions and weight

Dim. 1. Stage (WxDxH): 2.000 x 800 x 650 mm  
Weight: approx. 1.500 kg  
Dim. 2. Stage (WxDxH): 2.000 x 800 x 650 mm  
Weight: approx. 1.500 kg

#### MAX-Power dimensions and weight

Dim. (WxDxH): 1.400 x 800 x 700 mm  
Weight: approx. 2000 kg

#### MAX-Compression working pressure and gas

Low pressure  $p_{ND}$ : 24 up to 500 bar  
High pressure  $p_{HP}$ : up to 1.000 bar  
Gas: Hydrogen

#### Connections MAX-Compression

Hydrogen inlet: G 1/2  
Hydrogen outlet: 6M

\* Other operating media on request

### Performance Chart

