

# MAXIMATOR®

AIR DRIVEN  
LIQUID PUMPS  
AIR DRIVEN  
AIR AMPLIFIERS  
AIR DRIVEN  
GAS BOOSTERS  
HIGH PRESSURE  
VALVES, FITTINGS  
AND TUBING  
TEST AND  
CALIBRATION  
EQUIPMENT

Member  
**NACE**<sup>®</sup>  
INTERNATIONAL  
THE CORROSION SOCIETY<sup>®</sup>



MAXIMATOR GmbH



On- & Offshore Solutions  
for the  
Oil and Gas Industry

MAXIMATOR is one of the world leading manufacturers of air driven liquid pumps, air amplifiers, gas boosters, high pressure valves, fittings and tubing as well as associated products used in the oil and gas industry.

With more than 30 years of experience in high pressure technology MAXIMATOR today designs and manufactures a full line of high pressure equipment. Our two production plants in Zorge and Nordhausen together with sales offices around the world give us the force to support our customers in the best possible manner.

As a first class quality manufacturer (ISO 9001 certified) our principle always is

- Customer-oriented
- Problem-solving
- Reliability
- Flexibility
- Availability

MAXIMATOR products are used by major National and International operating Companies. Please ask for our extended reference list.

To better serve our customers in the oil and gas industry we closely cooperate with customers, material and component suppliers, universities, public and private organizations.

**MAXIMATOR is a member of the NACE association (No. 198024-01).**



Our technical capabilities in mechanics, hydraulics, pneumatics, electrics, PLC and MMI allow us to act and react flexibly to your demands. We are always open to hear what the market looks for and to offer customized components and systems to match your needs.



## MAXIMATOR Valves, Fittings and Tubing

MAXIMATOR manufactures an extended line of high pressure valves, fittings and tubing.

Benefits of the new MAXIMATOR valve and fitting line:

- Valves and fittings for 2,500 bar (36,000 psi) and above are manufactured from special material (316 SS modified)
- This material gives a better yield strength / tensile strength than standard 316 SS
- Visibly higher life time especially under pulsating conditions
- Quality product „Made in Germany“
- High flexibility and next day delivery (for most items)

- Autofrettage possible
- Valves and fittings for sour gas SOG service available according to NACE specifications
- Special design on customer request

Pressure Ranges:

- 1,500 bar (21,100 psi)
- 2,500 bar (36,000 psi) (valves only)
- 4,500 bar (65,000 psi)
- 7,000 bar (101,000 psi)
- 10,500 bar (152,000 psi)
- 15,000 bar (214,500 psi)

Please ask for our brochure „Valves, Fittings and Tubing“ or download under [www.maximator.de](http://www.maximator.de).



### MAXIMATOR Air Driven Liquid Pumps, Power Units and Test Systems

6 lines of air driven liquid pumps  
Pressures from 4 bar (58 psi) up to  
5,500 bar (79,750 psi).

Liquid flow from 0,1 liter per minute up to  
30 liter per minute.

Typical applications for MAXIMATOR pumps  
and pump systems:

Hydrostatic pressure testing	Valve actuation
Valve testing	Pressure testing of hoses
Leak testing	Tank testing
Flushing drill pipes	Flush out
Line flushing	Injection (water, oil, chemicals)
Metering	Dosing
Hydraulic power source	Hydraulic drive
Bolt tensioning	Nut torquing
Fire protection	Lubrication
Wellhead shutdown systems	



Please ask for our brochure „Liquid Pumps“  
or download under [www.maximator.de](http://www.maximator.de).

MAXIMATOR offers a high level of technical  
expertise, engineering and service.

MAXIMATOR products for testing, control  
and calibration services, tooling as well as  
torque and tension applications.



In cooperation with our partners we are in a position  
to serve you with outstanding solutions at  
competitive pricing.



## MAXIMATOR Pumps

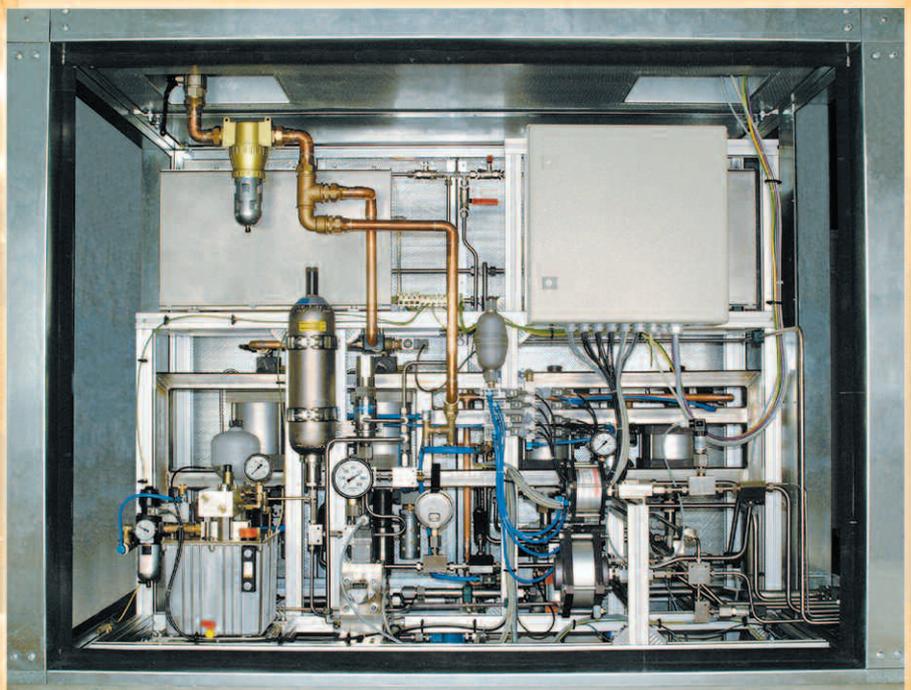
- are mostly made of stainless steel or aluminium
- Full stainless steel pumps available on request
- Double acting pumps available
- Plastic air drive pump for water and oil service (stainless steel design)
- Grout pumps, 2-K-Pumps
- Lowest noise level
- According to NACE available on request
- According to ATEX directive available on request
- ISO 9001 : 2000 certified



## MAXIMATOR Air Driven Liquid Pumps, Power Units and Test Systems

Available options and accessories:

- Stroke counter adjustable
- Chart pressure recorder
- Pressure switches (all stainless steel)
- Relief valves (all stainless steel)
- Hand lever option for several pumps available
- Several other options on request!





### MAXIMATOR Air Driven Air Amplifiers and Gas Boosters, Power Units and Test Systems

4 lines of air driven air amplifiers  
 Pressures from 1 bar (14 psi) up to 50 bar (715 psi).  
 Air flow from 10 standard liter per minute up to 2,500 standard liter per minute.

4 lines of air driven gas boosters  
 Pressures from 1 bar (14 psi) up to 1,500 bar (21,100 psi).  
 Gas flow from 100 standard liter per minute up to 500 standard liter per minute.

Please ask for our brochures „Air Amplifiers“ and „Gas Boosters“ or download under [www.maximator.de](http://www.maximator.de).

Typical applications for MAXIMATOR gas boosters and booster systems:

Diving	Helium leak detection
Fire fighting	Survival craft
Gas transfer circuit breaker	Gas transfers
Top-Up of accumulators	Gas testing
Diesel engine starter	Transportation
Oxygen charging systems	

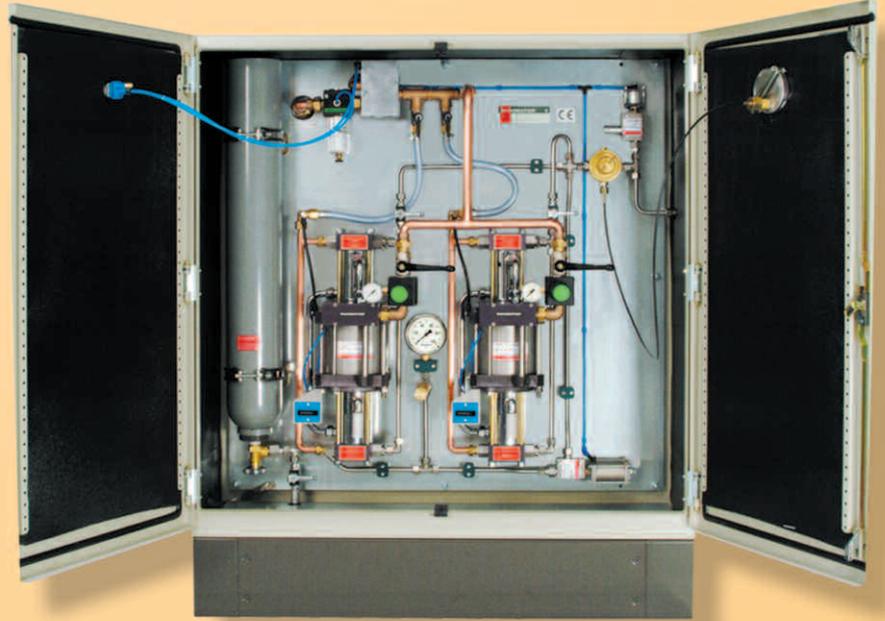


MAXIMATOR multi booster gas packaged systems  
 Type DLE 75 - XX

## MAXIMATOR Air Driven Air Amplifiers and Gas Boosters, Power Units and Test Systems

Air and gas driven test units for gas transfers, top-up of accumulators and gas testing of hoses, bottles, valves and other components with compressed air or gas up to 1,500 bar (21,100 psi).

MAXIMATOR gas boosters type DLE are usable for gases like nitrogen, argon, helium, oxygen etc. The air and gas driven test units are reliable, easy to maintain, compact and robust. All gas boosters are contaminant free with full separation between drive section and gas section.

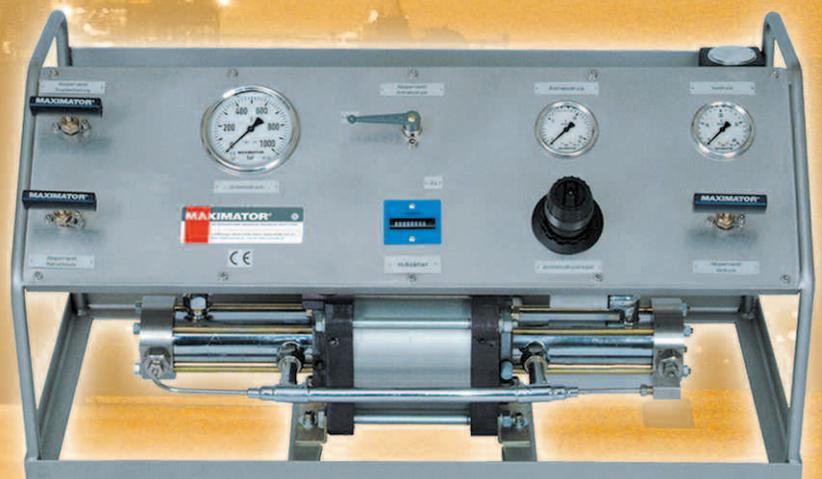


Available options and accessories:

- Stroke counter adjustable
- Chart pressure recorder
- Pressure switches (all stainless steel)
- Relief valves (all stainless steel)
- Several other options like automatic start/stop-valve on request!

MAXIMATOR experience – your benefit

- Excellent technical support
- First class quality
- Immediate shipment
- Worldwide service – 24 hours a day



# MAXIMATOR®



## Air Driven Liquid Pumps

- Easy to maintain, ex-proof
- Low energy consumption
- Operating pressures up to max. 5,500 bar



## Air Driven Air Amplifiers

- For increasing air pressure
- Specific air pressure amplification to suit your requirements
- Connection to electrical supply not necessary
- Operating pressure max. 40 bar



## Air Driven Gas Boosters

- For pressurizing gases (nitrogen, oxygen, inert gases)
- Simple handling
- Intrinsically safe and explosion proof i. e. not electromotive, but pneumatically powered
- Operating pressure max. 1,000 bar



## High Pressure Valves, Fittings, Tubing

- Stainless steel design
- Temperatures from -250° C to +650° C for liquids and gases
- Maximum outlet pressures up to 10,500 bar



## Special Test Benches

- Static compression resistance test
- Bursting pressure test
- Impulse pressure test
- Hoses, pipes, valves, hydraulic components can be tested

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