

MAXIMATOR®

HIGH PRESSURE
TECHNOLOGY
HYDRAULICS
PNEUMATICS
TESTING
EQUIPMENT



MAXIMATOR GmbH

Liquid or gas supply for
mechanical fluid or gas seals

Support Systems for Mechanical Fluid Seals

Hydraulic seal supply unit

Main Benefits:

- Cost reduction because of supplying several mechanical fluid sealings with only one MAXIMATOR Unit
- 250 litre tank volume
- Complete process reliability as the unit incorporates a stand by pump
- Automatic changeover to stand by pump
- No electrical installation (only control elements)
- Visible and audible alarm device in case of system is changing over to stand by pump
- ATEX approved



Air heat exchanger

Main Benefits:

- Laser welded ribbed-coiled tube
- High cooling capacities
- Low flow resistance of the sealing medium
- Wetted parts from stainless steel (1.4571)
- Accumulator bladder made from Viton (FKM)
- ATEX approved
- Cost reduction due to air cooling, no further water supply required

External circulation system

Main Benefits:

- Cooling coil inside the Tank
- Cost reduction because of supplying several mechanical fluid sealings with only one MAXIMATOR Unit
- No electrical installation (only control elements)
- ATEX approved



Support Systems for Mechanical Gas Seals

Gas seal supply unit

Main Benefits:

- Complete process reliability as the unit incorporates a stand by booster
- High flow capacities (Boosters connected in parallel)
- Maintenance or exchange of one booster possible without stopping the process
- Wetted parts made from stainless steel / EPDM
- Monitoring of each booster
- Zero energy consumption after final pressure is attained



Gas monitoring systems



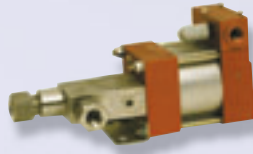
Main Benefits:

- Regulation of the nitrogen pressure in accordance with the Mechanical Gas Seals
- Pressure monitoring
- Display of the flow capacity in accordance with the Mechanical Gas Seals
- Early wear detection of the mechanical gas seal

Execution samples:

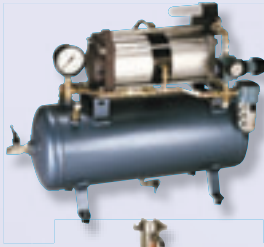


MAXIMATOR®



High-pressure pumps for oil, water, emulsions

- Minimum maintenance, explosion-proof
- Low energy consumption
- Operating pressures up to 79,750 psi (5,500 bar)



Compressed air amplifiers

- For increasing air pressure
- Specific air pressure amplification custom to your application
- Pneumatically powered – no electric required
- Operating pressures up to 580 psi (40 bar)



High Pressure Compressors

- For pressurizing gases (nitrogen, oxygen, inert gases)
- Simple operation
Intrinsically safe and explosion proof
pneumatically powered
- Operating pressures up to 21,750 psi (1,500 bar)



Testing and production rigs for autofrettage, pressure, burst pressure and pulse testing

- Expansion hoses, tubing
- Injector assemblies
- Common rails, fuellines
- Valves, fittings, bolted unions
- Pressure gauges, pressure-operated switches
- Pressure transducers, vessels
- Special test rigs



Valves, tubing, accoutrements for high-pressure technology

- Stainless steel components in excellent workmanship
- Temperature range -250 °C to +650 °C
- Operating pressures up to 152,000 psi (10,500 bar)

Your Representative:

Maximator-高压流体领域解决方案
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