

MAXIMATOR®

maximum pressure



» Rental Units for liquids and gases.

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High-pressure technology whenever it is needed

Compact and lightweight units to generate high pressure levels for fluids and gases are used for a variety of applications.

Parts and pressure equipment are pressure-tested, pressure measuring instruments are function-tested and calibrated, gas is compressed or transferred, liquids are injected into processes or membranes and bladder accumulators are charged with nitrogen.

Compressed air driven power packs from Maximator are the perfect tool for these applications. They are:

- easy to operate
- very reliable operation
- can be used for many media
- very sturdy and suitable for every-day use.

And: They are now also available for renting! This simplifies your procurement process and you get the right tool at the right time.

About Maximator

As a global specialist for high-pressure technology, we have supported well-known companies in the automotive and supply industry, as well as the chemical, plastics, oil and gas industries for decades with our compressed air driven high-pressure pumps, gas boosters, hydraulic units and gas booster stations.

With four technical offices in Germany and qualified partner companies worldwide, we can offer optimal customer service. A total of over 350 qualified, highly motivated employees work at our production centre in Nordhausen.



Rental Units for liquids and gases

Rental Units for liquids

Maximator Power Packs Liquid can be used for many technical applications in engineering and industry. These units can be operated in ATEX Zone 1 and comply with category 2G. They generate hydraulic pressures of up to 4,000 bar safely and inexpensively. They are driven via compressed air ranging from 1 to 10 bar.

The advantages at a glance:

- no electrical connection required for operation
- all Power Packs can be used in explosion areas (ATEX II 2G IIB c Tx)
- an extensive array of accessories for adaptation and pressure measuring
- Control panels with logical design ensure safe operation



Rental Units for gases



Maximator Power Packs Gas are complete, ready-for-connection booster stations for generating operating pressure of up to 2,100 bar. The Power Packs Gas can be used for all types of test, filling and for various pressure generation applications.

The advantages at a glance:

- oil-free gas compression without soiling the gas
- simple regulation of the operating pressure by setting the drive pressure
- all Power Packs (except the N₂ charging unit) can be used in explosion areas (ATEX II 2G IIB c Tx)
- Extensive range of accessories for adaptation and pressure measuring

LS 1600 M189



Power Pack Type LS1600 M189

- **Working Pressure up to 1,500 bar**
- **3.1 calibrated gauges and transducers**
- **Operating medium water**
- **hand operation possible**
- **Extensive range of accessories, also prepared for pressure recording**
- **Stable flight case for safe transport**

The MAXIMATOR Power Pack Type LS1600 M189 is the ideal solution for mobile pressure generation. Weighing just 20 kg, it can generate up to 1,500 bar - even in hand operation.

Accessories include adapters, pressure transducer and rupture disks.

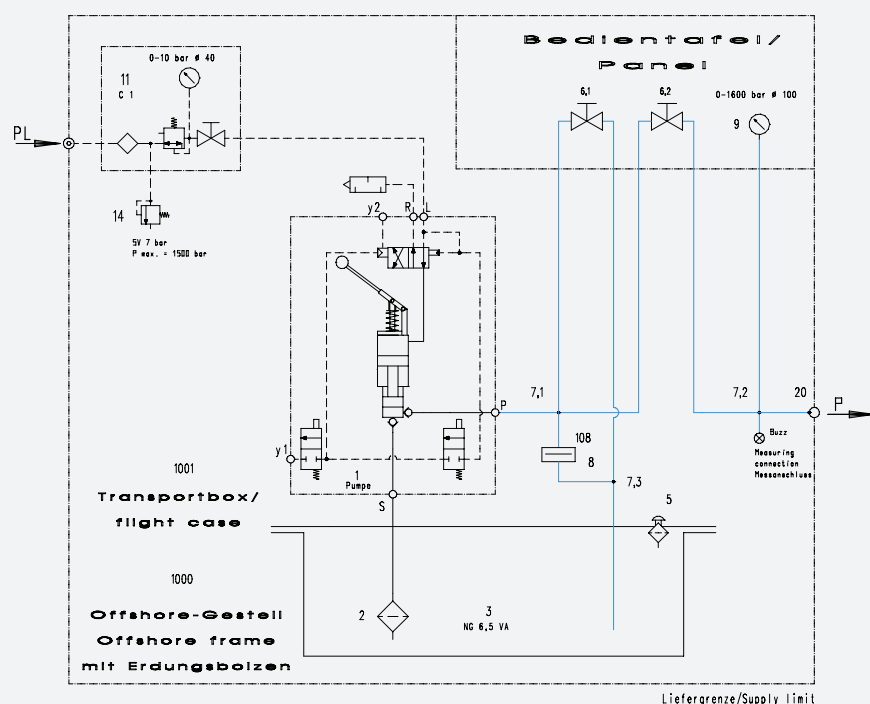


Technical Data

Type:	LS1600-M189-01-VE-HL-4H-ATEX
Order Code:	3310.1347
Pressure Ratio:	1 : 220
Working Pressure max.:	approx. 1,500 bar
Operating Media:	Water *
Flow Capacity max.:	0,28 l/min.
Connection Air Drive Inlet PL:	¼" BSPP
Connection Pressure Outlet P:	4M (7/16-20 UNF)
Air Drive Pressure:	min. 1 bar / max. 7 bar
Dimensions W x D x H:	280 x 350 x 700 mm
Dimensions Case W x D x H:	620 x 480 x 920 mm
Weight:	20 kg
Weight incl. Case:	62 kg

*other operating media on request

P & ID



Pos.	Description
1	M189-01-VE-HL-4H
2	Suction Filter 3/8" f BSPP SS NG15
3	Tank Stainless Steel 6,5 Litre
5	Inlet Gland
6	Shut off valve 65000psi 1/4"
7	Cross 4M / T-Piece 4M
8	Safety head assembly 4M
9	Pressure gauge 0-1600 bar ø100mm
11	Air control unit C1
14	Safety Valve
20	Bulkhead Coupling 22500psi 1/4"
108	Rupture Disc RD-22000

LS 1600 M189

Scope of Supply



Power Pack LS 1600 M189

Accessories

Flightcase

Accessories



Pressure Transducer 0-1500 bar,
0-10V *

Adapter :

- 4M(a)->1/2"(f) BSPP;
- 4M(a)->FNPT1/2";
- 4M(a)->1/4"(f) BSPP;
- 4M(a)->FNPT1/4"

Cable Connection 3000 mm

Rupture Discs RD 22000 (4x)

Connections



Air Drive Inlet: 1/4" BSPP

Pressure Outlet: 4M (7/16-20 UNF)

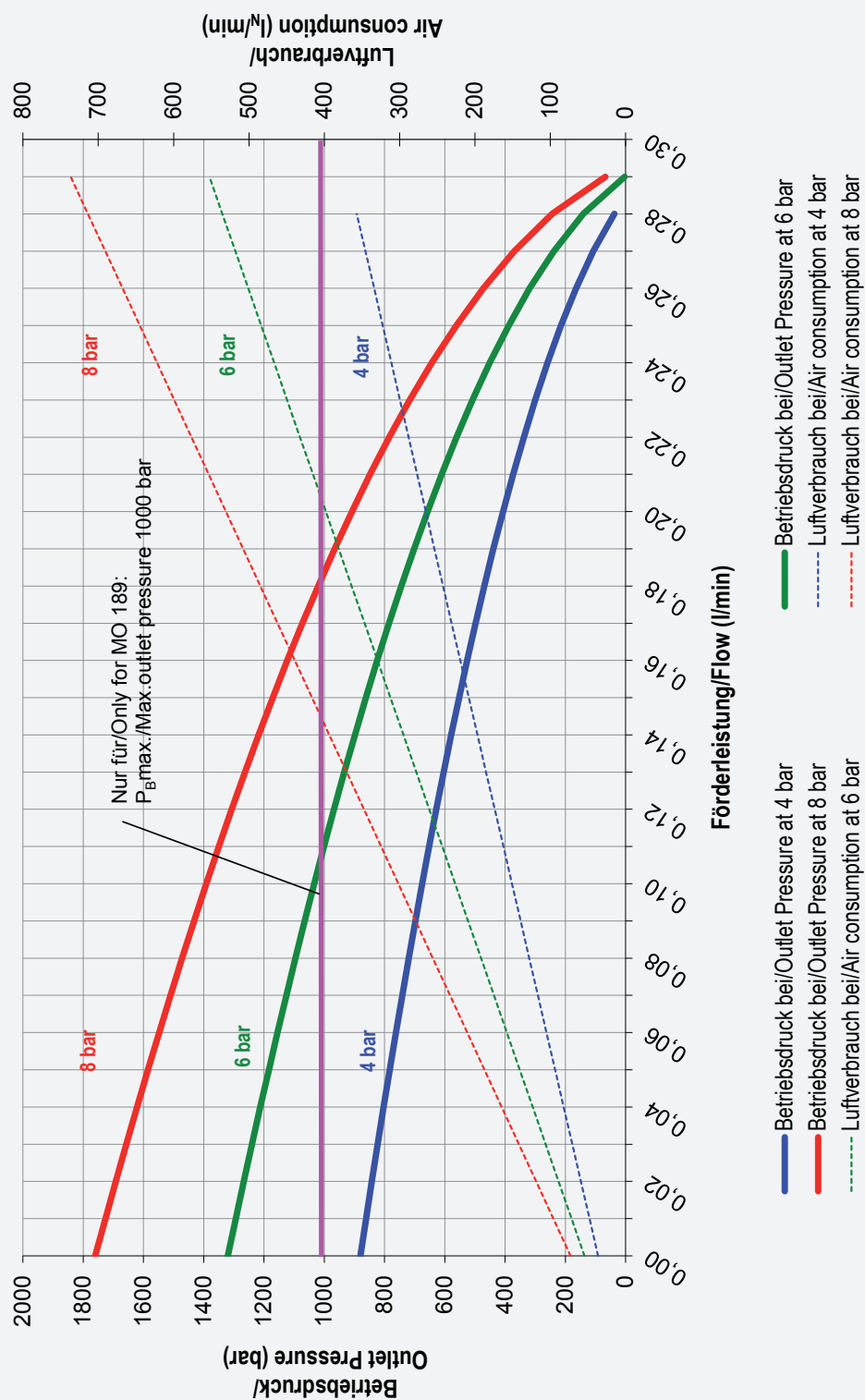
Measurement Connection:
4M (7/16-20 UNF)

*not to be used in explosion areas

Performance Graph High Pressure Pump Type M189

Leistungsdiagramm/Performance Graph M(O) 189

Prüfflüssigkeit/Test Liquid: Wasser-Öl-Emulsion/Water Oil Emulsion ca. 1 - 10 cst



LM 1600 GX170



Power Pack Type LM1600 GX170

- **Working pressure up to 1,000 bar**
- **3.1 calibrated gauges and transducers**
- **Operating medium water**
- **Extensive range of accessories, also prepared for pressure recording**
- **Stable flight case for safe transport**

The MAXIMATOR Power Pack Type LM1600 GX170 is designed for mobile pressure generation of up to 1,000 bar.

Two pressure outlets with shut-off valves allow efficient testing.

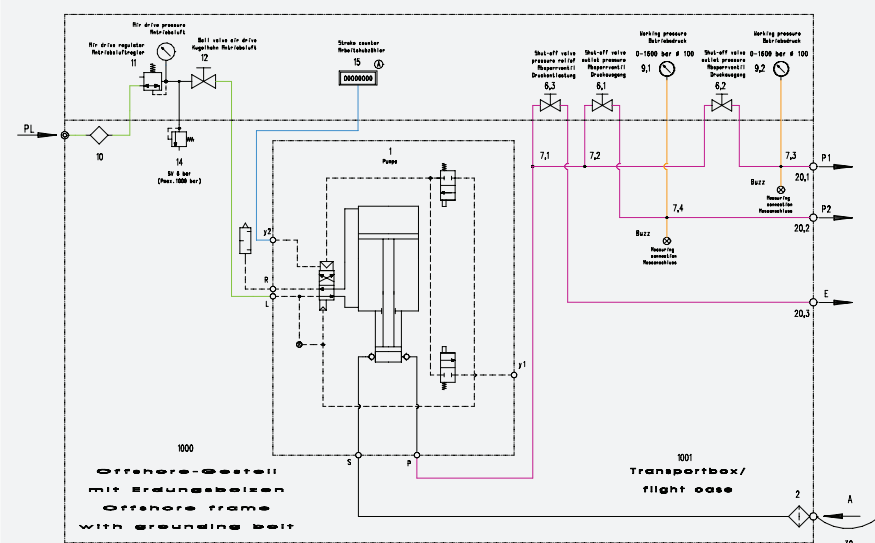


Technical Data

Type:	LM1600-GX170-01-V-6M ATEX
Order Code:	3320.1111
Pressure Ratio:	1 : 170
Working Pressure max.:	approx. 1,000 bar
Operating Media:	Water *
Flow Capacity max.:	depending on application
Connection Air Drive Inlet PL:	1/2" BSPP
Connection Pressure Outlet P1-P2:	6M (9/16-18 UNF)
Air Drive Pressure:	min. 1 bar / max. 8 bar
Dimensions W x D x H:	900 x 400 x 500 mm
Dimensions Case W x D x H:	1030 x 620 x 720 mm
Weight:	56,5 kg
Weight incl. Case:	114 kg

*other operating media on request

P & ID



Pos. Description

- 1 GX 170-V-6M
- 2 Suction Filter 1" f BSPP SS
- 6 2-Way angle valve 22500psi 3/8"
- 7 Cross 6M / T-Piece 6M
- 9 Pressure Gauge 0-1600 bar ø100mm
- 10 Filter 1/2" BSPP
- 11 Regulator 1/2" f BSPP (ATEX)
- 12 Shut off Valve 1/2" BSPP
- 14 Safety valve 1/2"
- 20 Bulkhead Coupling 22500psi 3/8"
- 30 Hose 1500 mm
- 1000 Offshore frame
- 1001 Flight Case

LM 1600 GX170

Scope of Supply



Power Pack LM 1600 GX170

Accessories

Stainless Steel Tray

Flightcase

Hose

Accessories



Pressure Transducer 0-1500 bar,
0-10V *

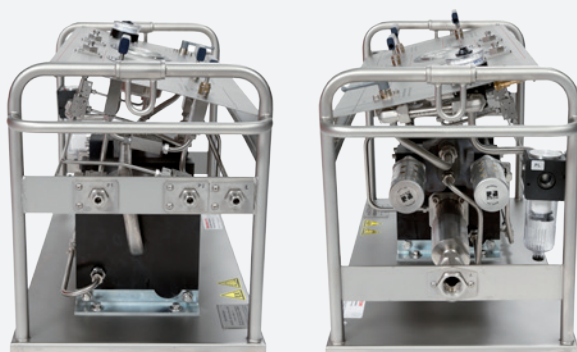
High Pressure Plug Type 21P6M

Cable Connection 3000 mm

Adapter :

- 6M(a)->1/2"(f) BSPP;
- 6M(a)->FNPT1/2";
- 6M(a)->1/4"(f) BSPP;
- 6M(a)->FNPT1/4"

Connections



Air Drive Inlet: 1/2"BSPP

Pressure Outlet P1/P2:
6M (9/16-18 UNF)

Measurement Connection:
4M (7/16-20 UNF)

Fluid Inlet: 1"(m) BSPP

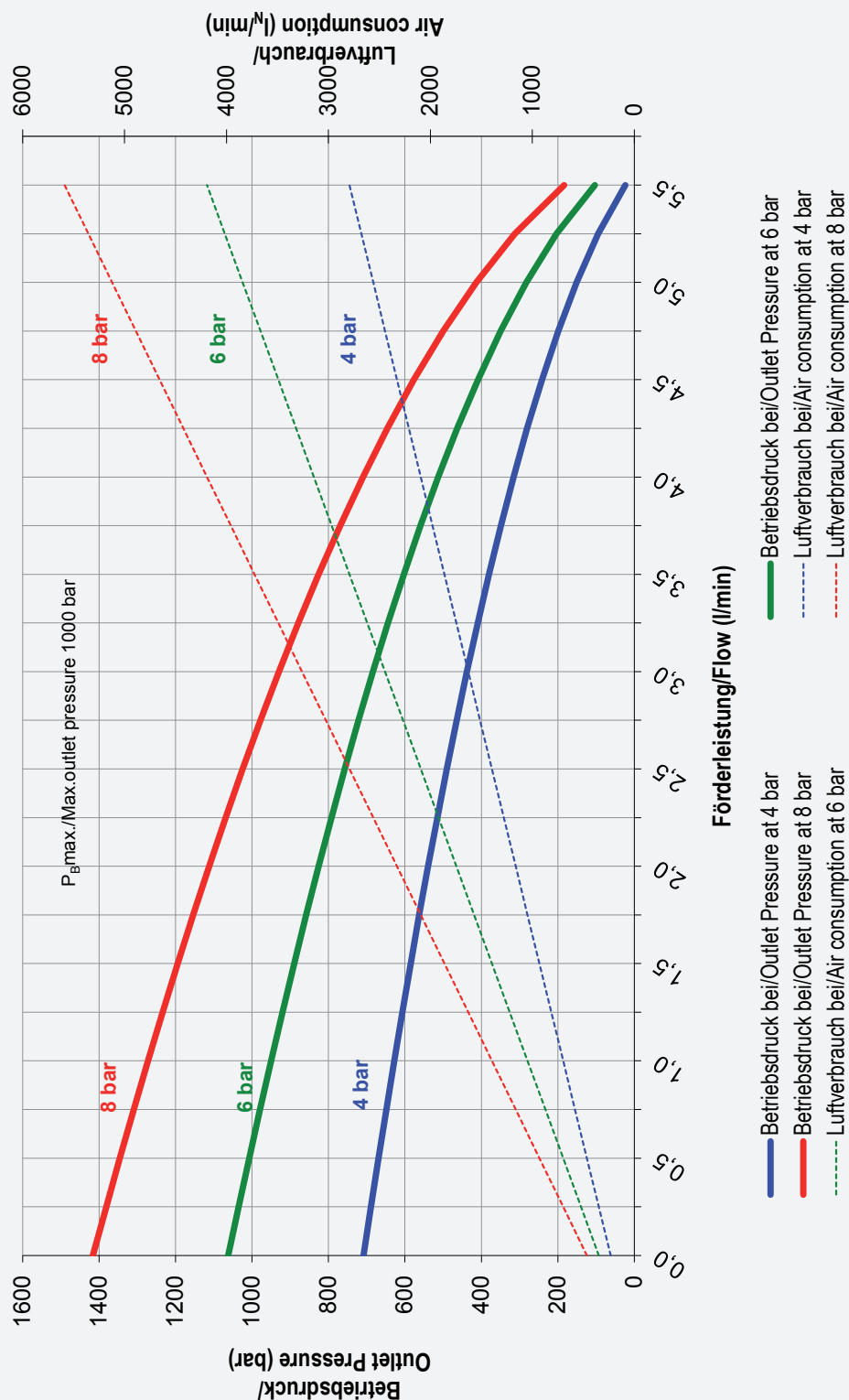
Pressure Release:
6M (9/16-18 UNF)

*not to be used in explosion areas

Performance Graph High Pressure Pump Type GX170

Leistungsdiagramm/Performance Graph GX 170

Prüfflüssigkeit/Test Liquid: Wasser-Öl-Emulsion/Water Oil Emulsion ca. 1 - 10 cst



LM 5000 G400



Power Pack Type LM5000 G400

- **Working pressure up to 4,000 bar**
- **3.1 calibrated gauges and transducers**
- **Operating medium water**
- **Extensive range of accessories, also prepared for pressure recording**
- **Stable flight case for safe transport**

The MAXIMATOR Power Pack Type LM5000 G400 is designed for mobile pressure generation of up to 4,000 bar.

Accessories include a 5 litre stainless steel canister, adapters and a pressure transducer.

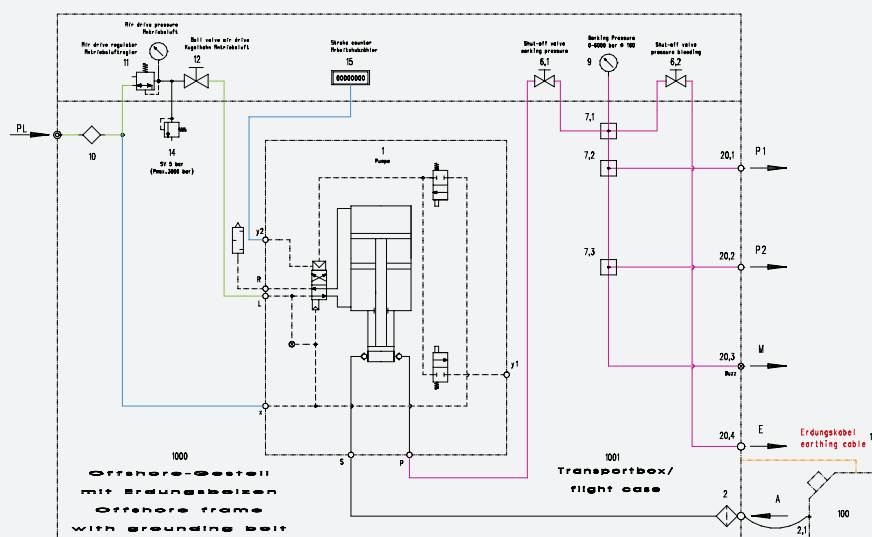


Technical Data

Type:	LM5000-G400-2LVE-ATEX
Order Code:	3320.1110
Pressure Ratio:	1 : 796
Working Pressure max.:	approx. 4,000 bar
Operating Media:	Water *
Flow Capacity max.:	depending on application
Connection Pressure Inlet PL/A:	1/2" BSPP / 1/2"(f) BSPP
Connection Pressure Outlet P1-P2:	4H (9/16-18 UNF)
Air Drive Pressure:	min. 1 bar / max. 8,5 bar
Dimensions W x D x H:	910 x 400 x 470 mm
Dimensions Case W x D x H:	1030 x 620 x 720 mm
Weight:	33 kg
Weight incl. Case:	91 kg

*other operating media on request

P & ID



Pos. Description

- 1 G 400-2LVE-4H
- 2 Suction Filter 1/2"f BSPP
- 6 2-Way Angle Valve 65000psi 1/4"
- 7 Cross 4M / T-Piece 4M
- 9 Pressure Gauge 0-6000 bar ø160mm
- 10 Filter 1/2" BSPP
- 11 Regulator 1/2"f BSPP
- 12 Shut off valve 1/2" BSPP
- 14 Safety valve 1/2"
- 15 Stroke counter
- 20 Bulkhead coupling 65000psi 1/4"
- 30 Hose 1500 mm
- 100 Stainless Steel Can 5L
- 1000 Offshore frame
- 1001 Flight Case

LM 5000 G400

Scope of Supply



Power Pack LM 5000 G400

Accessories

Flightcase

Stainless Steel Tray and
Stainless Steel Can 5 L

Accessories



Pressure Transducer 0-5000 bar,
0-10V *

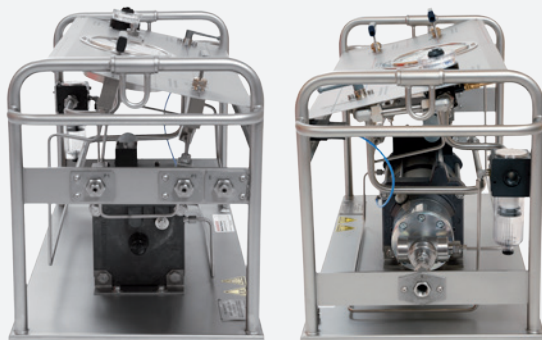
Cable Connection 3000 mm

High Pressure Plug Type 65P4H

Adapter :

- 4H(a)->1/2"(f) BSPP;
- 4H(a)->FNPT1/2";
- 4H(a)->1/4"(f) BSPP;
- 4H(a)->FNPT1/4"

Connections



Air Drive Inlet: 1/2" BSPP

Pressure Outlet P1/P2:
4H (9/16-18 UNF)

Measurement Connection:
4H (9/16-18 UNF)

Fluid Inlet: 1/2"(f) BSPP

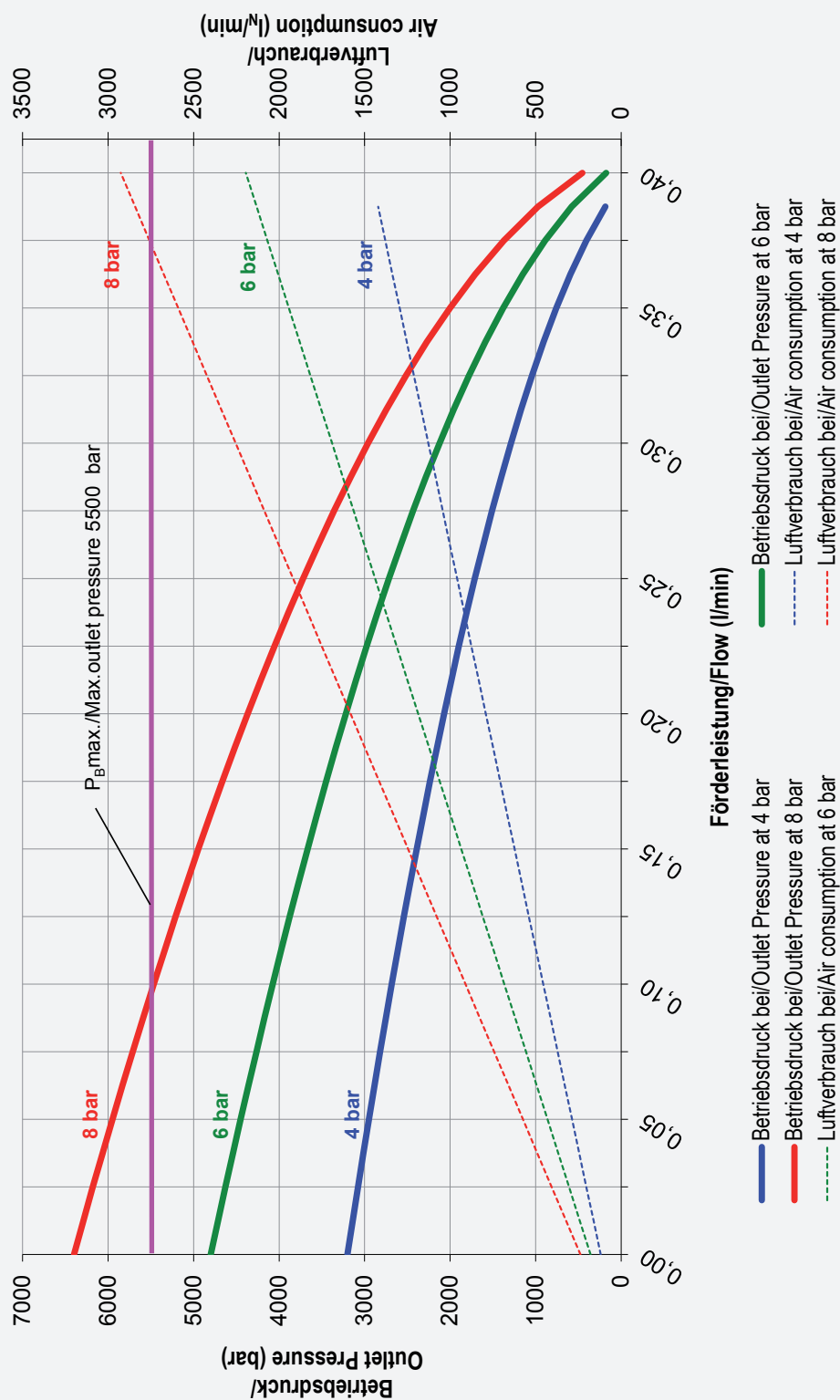
Pressure Releases: 4H (9/16-18 UNF)

*not to be used in explosion areas

Performance Graph High Pressure Pump Type G400-2

Leistungsdiagramm/Performance Graph G 400 -2L

Prüfflüssigkeit/Test Liquid: Wasser-Öl-Emulsion/Water Oil Emulsion ca. 1 - 10 cst



Nitrogen Charging Unit DLE75



Power Pack Type Nitrogen Charging Unit DLE75

- **Working pressure up to 500 bar**
- **3.1 calibrated gauges and transducers**
- **Operating medium nitrogen**
- **Extensive range of accessories**
- **Compressed air and nitrogen as drive source possible**
- **Stable flight case for safe transport**

The MAXIMATOR Power Pack Type Nitrogen Charging Unit is specially designed for boosting of nitrogen from gas cylinders of up to 500 bar.

The station can be operated with both compressed air and also directly with nitrogen from a gas cylinder, thereby offering maximum mobility.

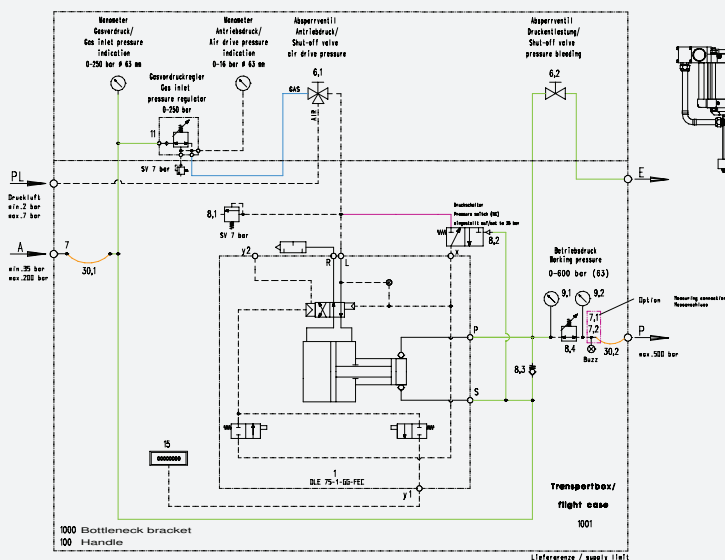


Technical Data

Type:	Nitrogen Charging Unit DLE 75-1-GG-FEC
Order Code:	3230.2111
Pressure Ratio:	1 : 75
Working Pressure P adjustable:	14 - 500 bar
Operating Media:	Nitrogen *
Flow Capacity max.:	depending on application
Connection Pressure Inlet PL/A:	1/2"BSPP / M16x1,5 (8S)
Connection Pressure Outlet P:	M16x1,5 (8S)
Air Drive Pressure:	min. 1 bar / max. 7 bar
Dimensions W x D x H:	450 x 550 x 500 mm
Dimensions Case W x D x H:	810 x 670 x 760 mm
Weight:	29 kg
Weight incl. Case:	62 kg

*other operating media on request

P & ID

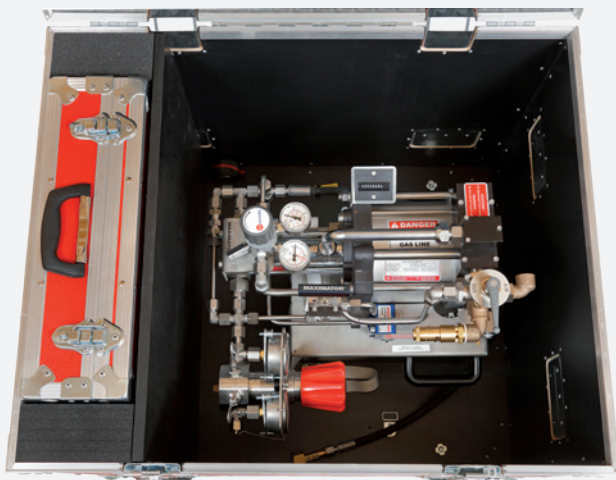


Pos. Description

- 1 DLE 75-1-GG-FEC
- 6,1 3-Way Ball Valve 1/2"
- 6,2 2-Way Angle Valve 15200psi 1/4" BSPP
- 7 N2 Bottle Connection
- 7,1 Adapter
- 8,1 Safety Valve 7 bar 1/2" BSPP
- 8,2 Air Pilot Switch
- 8,3 Non-return Valve
- 8,4 Maximator Pressure Regulator 690 bar Gas
- 9 Pressure Gauge 0-600 bar ø63mm
- 11 Pressure Regulator 300/10 bar
- 15 Stroke Counter
- 30 Hose
- 100 Handle
- 1000 Operating Panel
- 1001 Flight Case Nitrogen Charging Unit

Nitrogen Charging Unit DLE75

Scope of Supply



Nitrogen Charging Unit DLE75
with suction hose and N2 bottle
connection

Accessories

Flightcase

Fastener straps for gas bottle
assembly

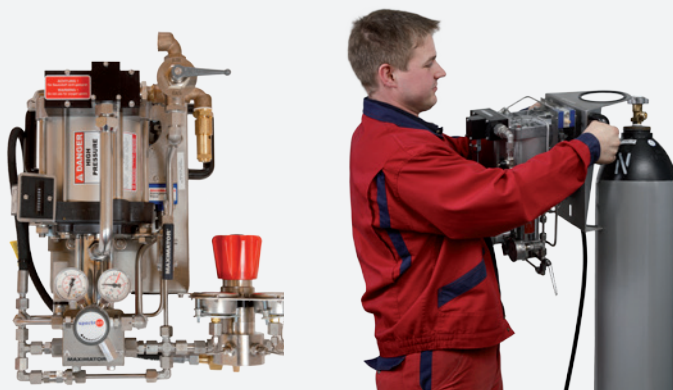
Accessories



Option Measuring Connection

Measuring hose

Connections



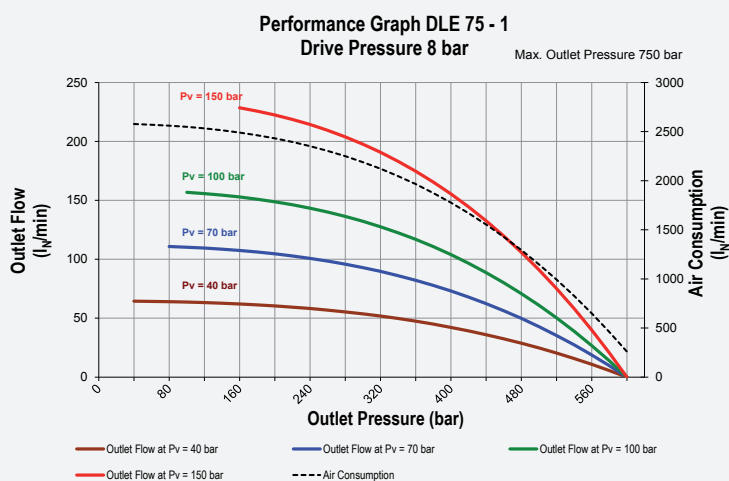
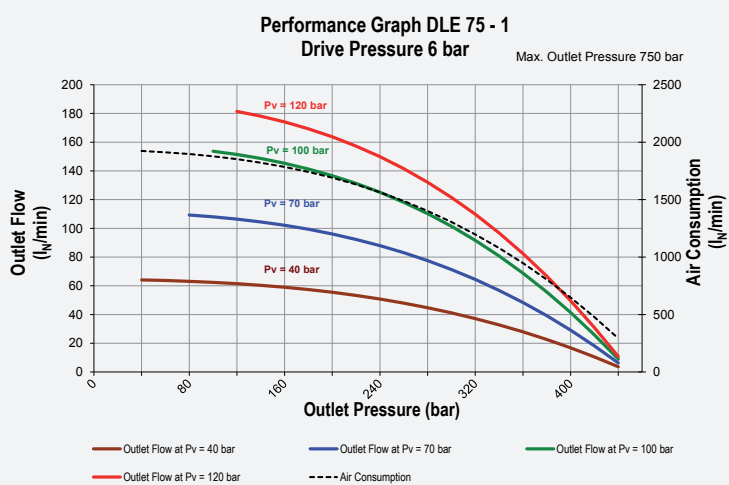
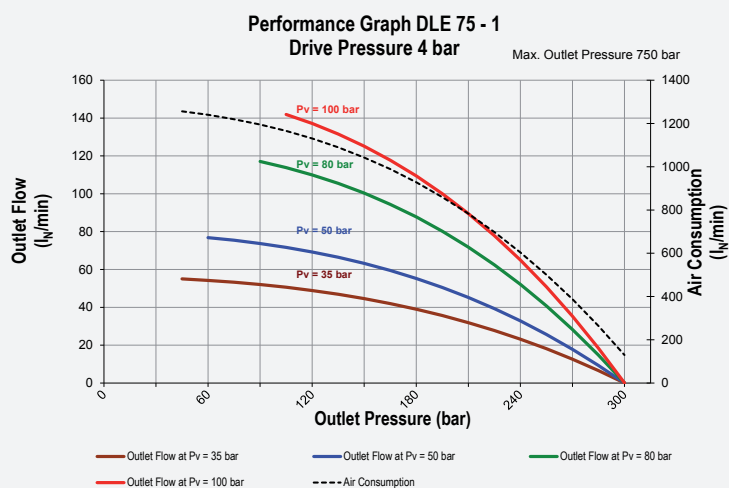
Air Drive Inlet: 1/2" BSPP

Pressure Outlet P: M16x1,5 (8S)

Gas Inlet: N2 gas bottle connection

Pressure Release: 1/4" BSPP

Performance Graph High Pressure Booster Type DLE 75-1



GM 1600 DLE30



Power Pack Type GM 1600 DLE30

- **Working pressure up to 550 bar**
- **3.1 calibrated gauges and transducers**
- **Operating medium compressed air/nitrogen**
- **Precise pressure regulation**
- **Extensive range of accessories**
- **Stable flight case for safe transport**

The MAXIMATOR Power Pack Type GM 1600 DLE30 is specially designed for boosting of compressed air and nitrogen up to 550 bar.

The station has two separate pressure outlets with shut-off valve, each of which has an additional measuring connection.

One pressure outlet has a separate pressure regulator.

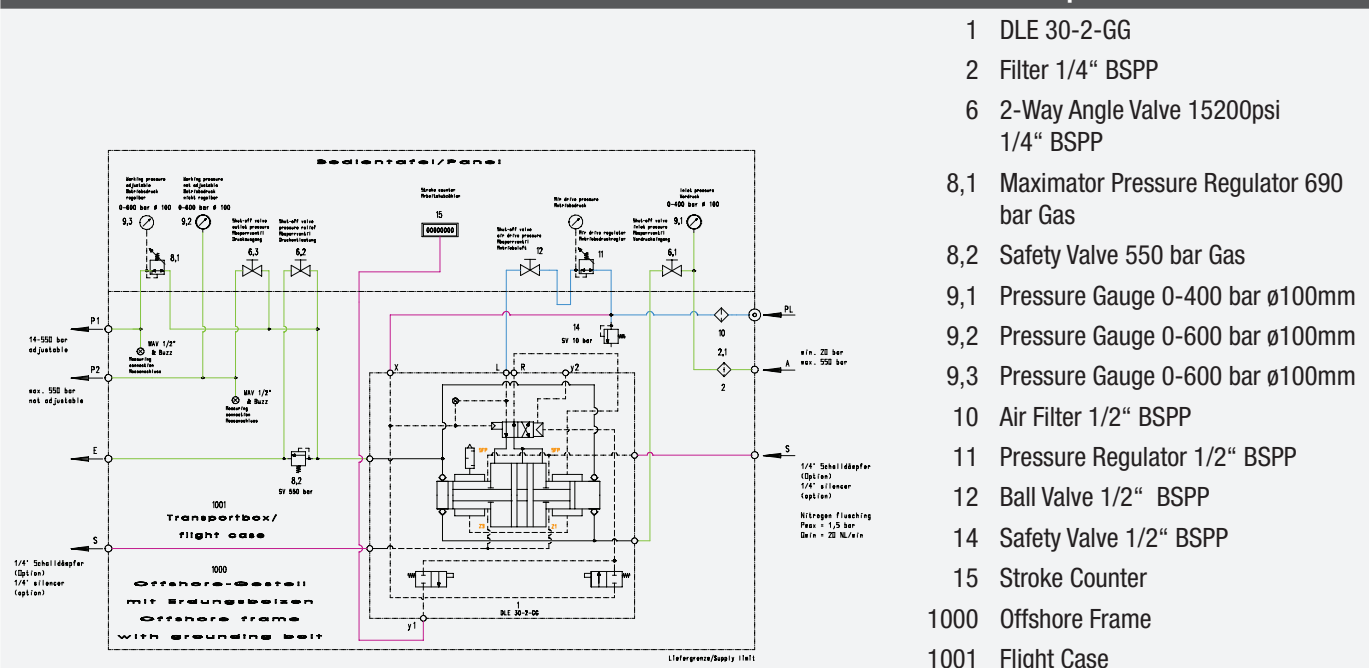


Technical Data

Type:	GM1600-DLE30-2-GG-ATEX
Order Code:	3230.2110
Pressure Ratio:	1 : 60
Working Pressure P1 adjustable:	14 - 550 bar
Working Pressure P2 not adjustable:	max. 550 bar
Operating Media:	Compressed Air / Nitrogen *
Flow Capacity max.:	depending on application
Connection Pressure Inlet PL/A:	1/2" BSPP / M16x1,5 (8S)
Connection Pressure Outlet P:	M16x1,5 (8S)
Air Drive Pressure:	min. 1 bar / max. 10 bar
Dimensions W x D x H:	910 x 410 x 530 mm
Dimensions Case W x D x H:	1030 x 620 x 720 mm
Weight:	61,5 kg
Weight incl. Case:	111 kg

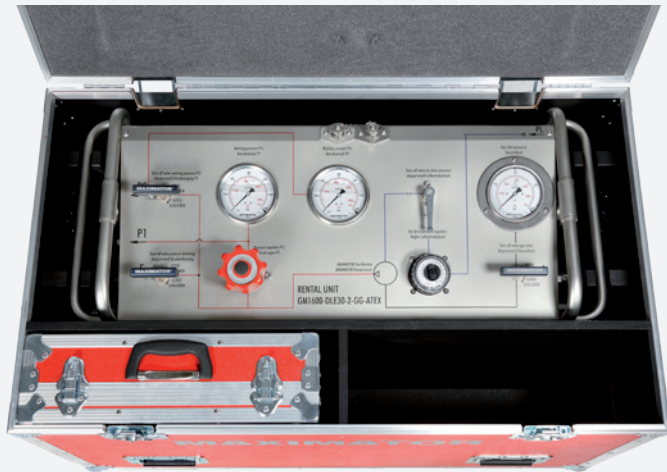
*other operating media on request

P & ID



GM 1600 DLE30

Scope of Supply



GM 1600 DLE30

Accessories

Flightcase

Accessories



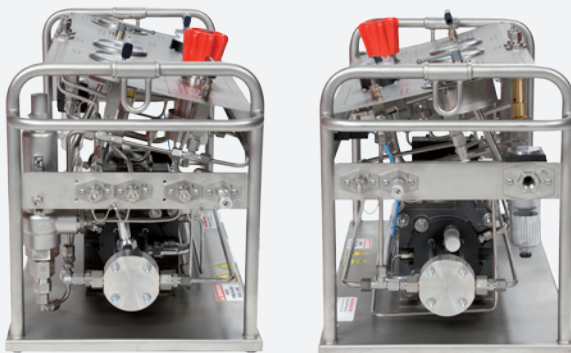
Pressure Transducer 0-600 bar
0-10V *

Cable Connection 3000 mm

Adapter GE1/4" -> 8S

Plug 8S

Connections



Air Drive Inlet: 1/2" BSPP

Pressure Outlet P1/P2:
M16x1,5 (8S)

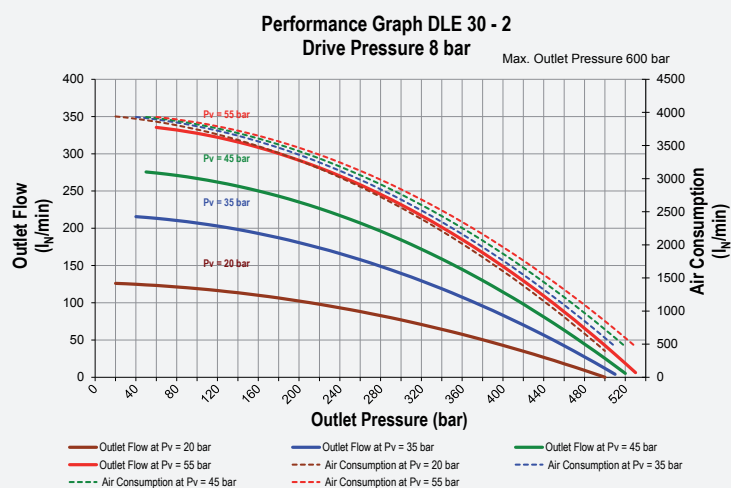
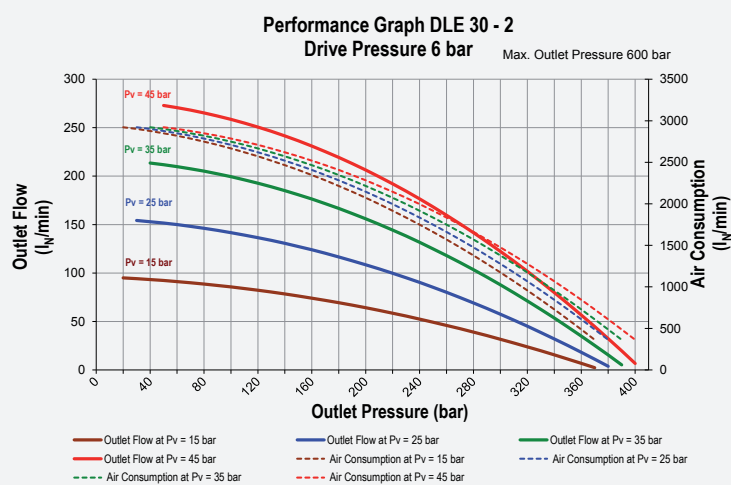
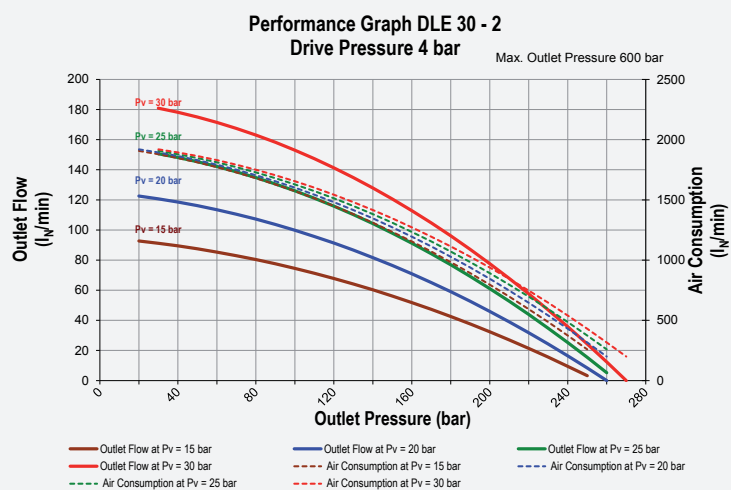
Gas Inlet: M16x1,5 (8S)

Pressure Release: M16x1,5 (8S)

Flushing Connection: 1/4" BSPP

*not to be used in explosion areas

Performance Graph High Pressure Booster Type DLE 30-2



GM 2200 DLE75



Power Pack Type GM 2200 DLE75

- **Working pressure up to 2,100 bar**
- **3.1 calibrated gauges and transducers**
- **Operating medium compressed air/nitrogen**
- **Extensive range of accessories**
- **Stable flight case for safe transport**

The MAXIMATOR Power Pack Type GM 2200 DLE75 is specially designed for ultra high-pressure compression of nitrogen up to 2,100 bar.

The station can be operated with both compressed air and also directly with nitrogen from a gas cylinder, thereby offering maximum mobility.



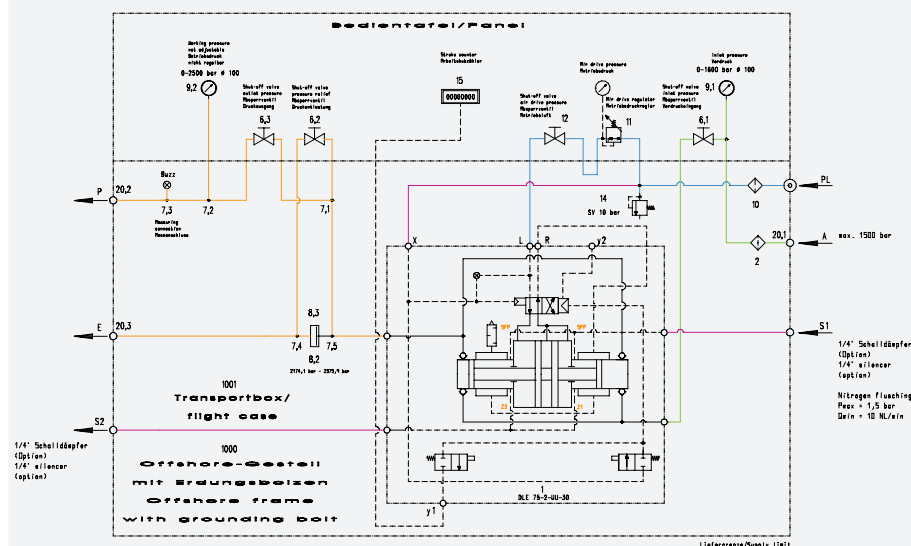
Technical Data

Type:	GM2200-DLE75-2-UU-30-ATEX
Order Code:	3230.2109
Pressure Ratio:	1 : 150
Working Pressure max.:	approx. 2100 bar
Operating Media:	Compressed Air / Nitrogen *
Flow Capacity max.:	depending on application
Connection Pressure Inlet PL/A:	1/2" BSPP / 4H (9/16-18 UNF)
Connection Pressure Outlet P:	4H (9/16-18 UNF)
Air Drive Pressure:	min. 1 bar / max. 10 bar
Dimensions W x D x H:	920 x 410 x 520 mm
Dimensions Case W x D x H:	1030 x 620 x 720 mm
Weight:	55,5 kg
Weight incl. Case:	107 kg

*other operating media on request

P & ID

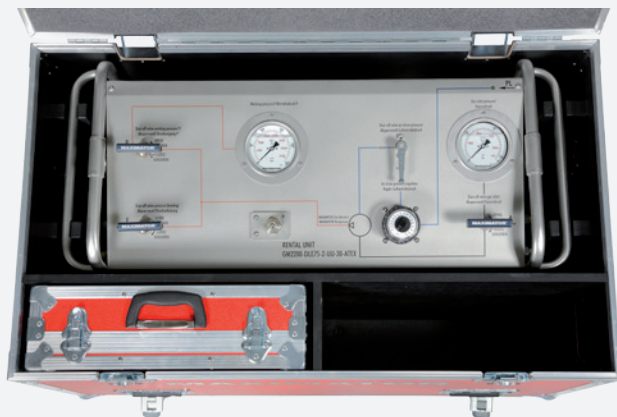
Pos. Description



- 1 DLE 75-2-UU-30
- 2 Filter
- 6,1 2-Way Angle Valve 21000psi 3/8"
- 6,2 2-Way Angle Valve 65000psi 1/4"
- 6,3 2-Way Angle Valve 65000psi 1/4"
- 7 Cross / T-Piece 65000psi 1/4"
- 8,2 Safety head assembly 65000psi 1/4"
- 8,3 Rupture Disc RD-37500
- 9,1 Pressure Gauge 0-1600 bar ø100mm
- 9,2 Pressure Gauge 0-2500 bar ø100mm
- 10 Air filter 1/2" BSPP
- 11 Pressure Regulator 1/2" BSPP
- 12 Ball Valve 1/2" BSPP
- 14 Safety Valve 1/2" BSPP
- 15 Stroke Counter
- 20 Bulkhead Coupling
- 1000 Offshore Frame
- 1001 Flight Case

GM 2200 DLE75

Scope of Supply



GM 2200 DLE75

Accessories

Flightcase

Accessories



Pressure Transducer 0-2500 bar,
0-10V *

Cable Connection 3000 mm

Rupture Disc RD-32500

Adapter:

4H (a) -> 1/2" (f) BSPP

4H (a) -> FNPT 1/2"

4H (a) -> 1/4" (f) BSPP

4H (a) -> FNPT 1/4"

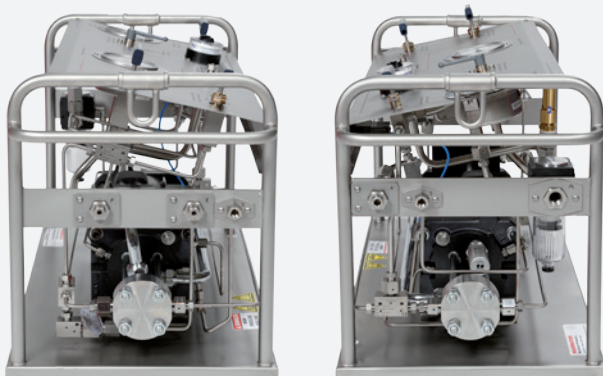
6M (a) -> 1/2" (f) BSPP

6M (a) -> FNPT 1/2"

6M (a) -> 1/4" (f) BSPP

6M (a) -> FNPT 1/4"

Connections



Air Drive Inlet: 1/2" BSPP

Pressure Outlet P:
4H (9/16-18 UNF)

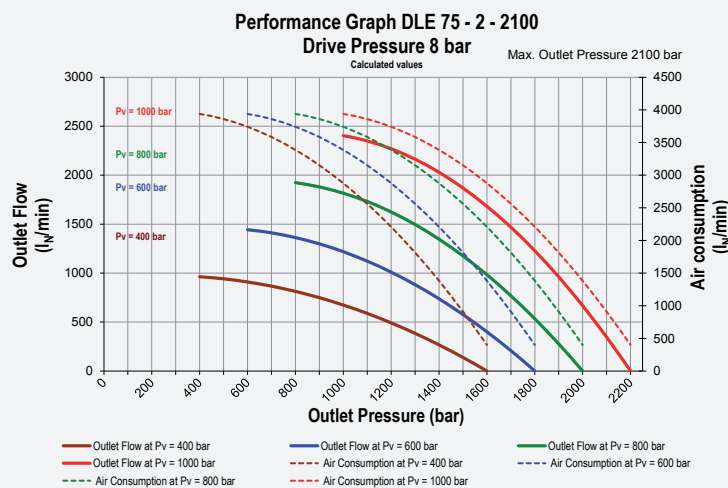
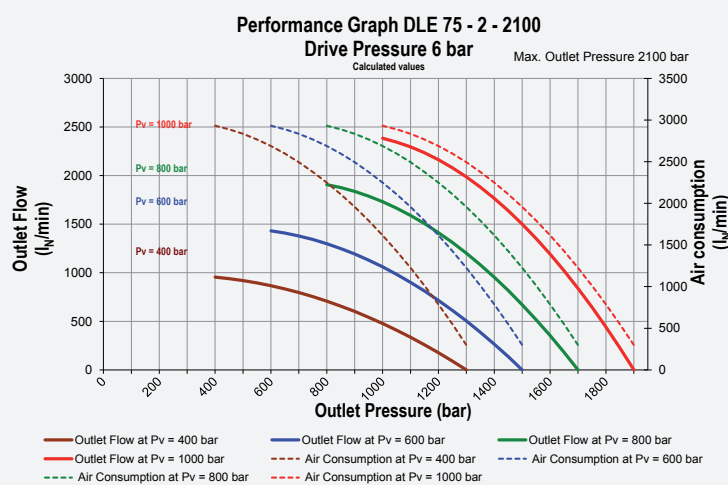
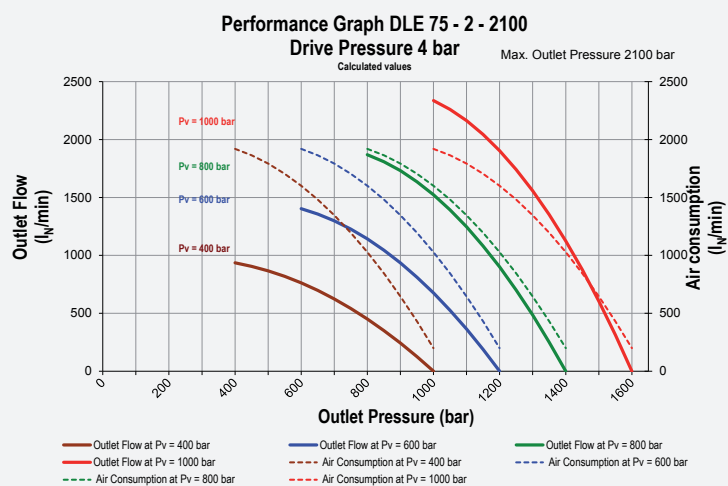
Gas Inlet: 6M (9/16-18 UNF)

Pressure Release:
4H (9/16-18 UNF)

Flushing Connection: 1/4" BSPP

*not to be used in explosion areas

Performance Graph High Pressure Booster Type DLE75-2



At your side, everywhere

With our international partner companies, experienced specialists in high pressure technology are always available to assist you. We have compiled more detailed contact information on our international partners on our website at:

www.maximator.de/worldwide+distribution

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