

Dräger PAS® MAC1000, 2000, 4000 and 8000 Mobile Breathing Air Compressors

Providing continuous breathing quality air to safety professionals in the harshest of environments, these Mobile Breathing Air Compressors meet the needs of single or multiple users over long durations. Available in electric or diesel driven versions, each of the four models is fully compatible with Dräger compressed air and airline breathing equipment.



D-9796-2010

- Rugged and reliable in severe conditions
- Electric and diesel driven versions
- Safe operation by the use of a reserve system
- Flexible in use due to compatibility with Dräger compressed air and airline breathing equipment
- Continuous breathing quality air acc. to EN 12021
- Four models to suit every application

RUGGED AND RELIABLE

Used throughout industry by power stations, water authorities, fire brigades and the armed forces, the Dräger range of mobile breathing air compressors is equally at home in the nuclear and petrochemical industries, as well as gas distribution, oil refineries for tank cleaning and in other hazardous material handling applications.

Ideal for use in the most severe environmental conditions, these rugged units set the standard in transportable, extended duration life support systems. Due to the construction, each compressor can be craned and the diesel versions are street-legal. Meeting the requirements of EN 12021, they can be relied upon to provide continuous breathing quality air for single or multiple users, regardless of high flow air requirements and individual breathing rates.

ELECTRIC OR DIESEL

Simple to maneuver to wherever a constant supply of breathing quality air is required, the range comprises two electrically driven units with outputs from 185 to 425 l/min and two diesel driven compressors with outputs from 710 to 1,710 l/min. Designed to minimize the effects on the environment, each model retains any oil-contaminated residue, and the two diesel units meet the requirements of EC 2000/14/EC for noise levels.

SAFE OPERATION

Each of the Dräger PAS MAC2000, 4000 and 8000 units incorporate a “fail-safe” system as standard. Sounding an alarm in the event of failure, they automatically switch to an onboard cylinder reserve system, allowing users to move to a place of safety. The Dräger PAS MAC1000



D-9762-2010



D-18908-2010

Dräger PAS® MAC1000



D-18909-2010

Dräger PAS® MAC2000



D-9763-2010

Dräger PAS® MAC4000



D-18910-2010

Dräger PAS® MAC8000

and 2000 can also be supplied in ATEX versions for use in explosive atmospheres. In line with current health and safety requirements for diesel engines in hazardous areas, such as EN 1834-1:2000 and the need to prevent ignition of combustible materials, both diesel driven compressors are fitted with a Chalwyn shut-off valve and spark arrestor as standard.

FLEXIBLE IN USE

Easily configured to suit specific user requirements, each unit can be quickly connected to any Dräger breathing apparatus and airline equipment including chemical protection suits fitted with ventilation systems.

BREATHING QUALITY AIR

The quality of breathing air from a compressor or compressed air cylinder must not only comply with national and international standards and regulations but it must also be checked regularly. Based on the well known Dräger-Tube, the Dräger Aerotest and Dräger Air Tester ranges provide an efficient method for the detection of toxic gases in dispersed compressed air. Easy to use, it enables potentially harmful substances such as carbon monoxide, carbon dioxide, water vapour and oil to be determined individually or simultaneously. The standard version of the Dräger PAS MAC4000 and 8000 is already equipped with a membrane dryer dehumidifying the breathing air. For additional safety regarding purity of breathing air both versions can alternatively be equipped with a pressure swing dryer for the suppression of CO and CO₂ and for drying the air.

DRÄGER PAS® MAC1000 – THE REASONABLE SOLUTION FOR ONE USER

Compact and easy to maneuver manually, this 230 V electric Mobile Breathing Air Compressor provides single users with a constant supply of clean breathing air at 185 l/min at 9 bar via a CEJN connection. With a power rating of 1.5 kW, it incorporates a single-phase TEFV induction motor and is IP 55 protected against dust and water ingress. An optional low-pressure audible and visual

alarm is also available, together with an ATEX version for use in explosive atmospheres (Zone 1).

DRÄGER PAS® MAC2000 – FOR INTERNAL AND EXTERNAL APPLICATIONS WITH UP TO TWO USERS

Delivering 425 l/min of breathing quality air at 9 bar, the Dräger PAS MAC2000 3-phase electric Mobile Breathing Air Compressor operates at 380-415 V over a frequency of 50/60 Hz. Protected to IP 55 and incorporating two CEJN outlets for fast, reliable user, it can be manually positioned to suit the requirements of both internal and external applications.

In the event of a failure, i.e. a power outage for instance, the unit will automatically switch over to an integral “fail-safe” high-pressure cylinder reserve. For optimum safety, this emergency reserve system includes an audible alarm. As an option, this rugged unit can also be supplied to meet ATEX Zone 1 requirements.

DRÄGER PAS® MAC4000 – FOR EXTERNAL APPLICATIONS WITH UP TO FOUR USERS

Designed for outdoor use, this diesel engine, road towable Mobile Breathing Air Compressor produces 710 l/m at 9 bar and is fitted with four CEJN outlets for easy, secure connection by multiple users. The addition of a large capacity outlet also means that the units’ air supply can be used in conjunction with a remote distribution system when working at a distance from the compressor.

The integral “fail-safe” high-pressure cylinder reserve system will automatically switch in should the compressor fail as a result of power failure or loss of fuel, etc. This emergency reserve system includes audible and visual alarms. A Chalwyn shut-off valve and spark arrestor are also fitted as standard to minimize the risks associated with diesel engines in hazardous environments.

A number of options are available including a pressure swing dryer for CO and CO₂ suppression (please note that this option reduces the air output from the unit to approx. 570 l/min).

DRÄGER PAS® MAC8000 – FOR LARGE SCALE EXTERNAL APPLICATIONS WITH UP TO EIGHT USERS

Producing breathing air at 1,710 l/min at 9 bar, this road towable, diesel engine Mobile Breathing Air Compressor features eight CEJN outlets for fast, reliable connection by up to eight individuals. Designed for outdoor use, it also incorporates a large capacity outlet that

allows the air supply to be used in conjunction with a remote distribution system when working away from the compressor. In line with requirements to minimize the dangers associated with diesel engines in hazardous environments the Dräger PAS MAC8000 is fitted with a Chalwyn shut-off valve and spark arrestor as standard. For maximum safety, this high powered unit also includes an integral

“fail-safe” high-pressure cylinder reserve system. Complete with audible and visual alarms, this emergency system will automatically switch in should the compressor fail because of a power failure or loss of fuel, etc. A pressure swing dryer for CO and CO₂ suppression can also be supplied as an option (please note that this reduces the air output to approx. 1,600 l/min).

ORDER INFORMATION

Dräger PAS® Mobile Breathing Air Compressors

Dräger PAS MAC1000 (electric)	3358223
Dräger PAS MAC2000 (electric)	3358224
Dräger PAS MAC4000 incl. membrane dryer (diesel)	3358226
Dräger PAS MAC4000 incl. pressure swing dryer (diesel)	3358227
Dräger PAS MAC8000 incl. membrane dryer (diesel)	3358229
Dräger PAS MAC8000 incl. pressure swing dryer (diesel)	3358230

Product options

Dräger PAS MAC1000 (ATEX version)	for details please contact Dräger
Dräger PAS MAC2000 (ATEX version)	for details please contact Dräger
Low-pressure audible and visual alarm (PAS MAC1000)	for details please contact Dräger

Accessories

4 man distribution panel	3358796
3/4" distribution hose 15 m long	3358797
1/2" distribution hose 30 m long	3358794
4 man distribution panel (alarmed)	3358799
Air supply hose 3 m	3352463
Air supply hose 5 m	AL01260
Air supply hose 10 m	AL01261
Air supply hose 20 m	AL01262
Air supply hose 25 m	3357049
Air supply hose 30 m	3352467
Air supply hose 45 m	AL01263
Air supply hose 50 m	3352468
Air supply hose without couplings	AL01253

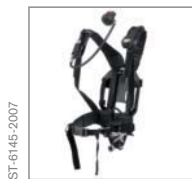
Dräger SCBA

Dräger PSS 7000	for details please contact Dräger
Dräger PSS 5000	for details please contact Dräger
Dräger PSS 3000	for details please contact Dräger
Dräger PAS Lite	for details please contact Dräger
Dräger PAS Micro	for details please contact Dräger
Dräger PAS Colt	for details please contact Dräger

Dräger Full Face Masks

Dräger FPS 7000	for details please contact Dräger
Dräger Panorama Nova	for details please contact Dräger

SELECTED ACCESSORIES



Dräger PSS® 7000



Dräger PSS® 5000



Dräger PSS® 3000



Dräger PAS® Lite



Dräger FPS® 7000

Dräger Panorama
Nova®

TECHNICAL DATA

	Dräger PAS® MAC1000	Dräger PAS® MAC2000	Dräger PAS® MAC4000	Dräger PAS® MAC8000
Number of outlets	1	1 to 2	1 to 4 + 1 large capacity	1 to 8 + 1 large capacity
Breathing air quality standard	EN 12021 (latest)	EN 12021 (latest)	EN 12021 (latest)	EN 12021 (latest)
Motor/engine	Electric, 230V Single phase Power supply required	Electric, 400V Three phase Power supply required	Diesel	Diesel
Flow rate (maximum)	185 l/min at 9 bar	425 l/min at 9 bar	710 l/min at 9 bar	1,710 l/min at 9 bar
Effects on environment	Oil contaminated condensate retained in bottle	Oil contaminated condensate retained in bottle	EC 2000/14/EC for noise levels. Oil contaminated condensate retained in bottle	EC 2000/14/EC for noise levels. Oil contaminated condensate retained in bottle
Environmental protection	IP 55	IP 55	Designed for outdoor use	Designed for outdoor use
Operating temperature range (°C)	0 to 45	0 to 45	0 to 45 If pressure swing dryer option fitted -6 to +45	0 to 45 If pressure swing dryer option fitted -6 to +45
Size (L x W x H) (mm)	980 x 586 x 770	1,380 x 665 x 870	2,980 x 1,500 x 1,400	3,000 x 1,390 x 1,240
Weight (kg)	115	210	650	1,180

HEADQUARTERS

Dräger Safety AG & Co. KGaA
Revalstrasse 1
23560 Lübeck, Germany

www.draeger.com

SUBSIDIARIES

AUSTRALIA

Draeger Safety Pacific Pty. Ltd.
Axxess Corporate Park
Unit 99, 45 Gilby Road
Mt. Waverley Vic 3149
Tel +61 3 92 65 50 00
Fax +61 3 92 65 50 95

CANADA

Draeger Safety Canada Ltd.
7555 Danbro Crescent
Mississauga, Ontario L5N 6P9
Tel +1 905 821 8988
Fax +1 905 821 2565

P. R. CHINA

Beijing Fortune Draeger Safety
Equipment Co., Ltd.
A22 Yu An Rd, B Area,
Tianzhu Airport Industrial Zone,
Shunyi District, Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

FRANCE

Dräger Safety France SAS
3c route de la Fédération,
BP 80141
67025 Strasbourg Cedex 5
Tel +33 3 88 40 59 29
Fax +33 3 88 40 76 67

MEXICO

Draeger Safety S.A. de C.V.
Av. Peñuelas No. 5 Bodega No. 37
Fraccionamiento Industrial
San Pedrito
Querétaro, Qro México
Tel +52 442 246-1113
Fax +52 442 246-1114

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

REP. OF SOUTH AFRICA

Dräger South Africa (Pty) Ltd.
P.O.Box 68601
Bryanston 2021
Tel +27 11 465 99 59
Fax +27 11 465 69 53

SINGAPORE

Draeger Safety Asia Pte Ltd
67 Ayer Rajah Crescent
#06-03
Singapore 139950
Tel +65 68 72 92 88
Fax +65 65 12 19 08

SPAIN

Dräger Safety Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

UNITED KINGDOM

Draeger Safety UK Ltd.
Blyth Riverside Business Park
Blyth, Northumberland
NE24 4RG
Tel +44 1670 352-891
Fax +44 1670 356-266

USA

Draeger Safety, Inc.
101 Technology Drive
Pittsburgh, PA 15275
Tel +1 412 787 8383
Fax +1 412 787 2207