

Dräger DHS® 7000 Hybrid System

Designed for situations where moments could be the difference between life and death. The Dräger Hybrid System (DHS) 7000 offers the versatility to adapt to and overcome CBRN operational environments.



DESIGNED WITH YOUR MISSION IN MIND

Whether used for military, law enforcement, or responder applications, this complete, modular system offers you the versatility to adapt to a variety of CBRN environments.

We have removed lights and alarms that could compromise your position to minimize the effort you need to put into making your equipment swift and silent.

The DHS® 7000 is the right piece of equipment if you potentially face CBRN operations or long-duration missions. Based on the newly-designed Dräger Hybrid Respirator DHR® 7000, the Dräger DHS® 7000 system can be used in APR, PAPR, and SCBA mode of operation with only one facepiece.

THE CENTERPIECE – THE DHR 7000 HYBRID RESPIRATOR

The newly designed Dräger Hybrid Respirator (DHR) 7000 is a mask capable of working in both positive pressure as an SCBA or in negative pressure as an

APR or PAPR. Switching between these modes is as simple as flipping a switch and turning the cylinder on or off.

The DHR® 7000 offers a hydration device and optional communication system for demanding operations. The hydration device can be connected to a canteen or a CamelBak. The MS-COM offers a microphone that is inserted into the mask, an ear speaker for clear reception of messages, and a push-to-talk button that connects to the radio to ensure understanding of messages between teammates.

You can be confident in the seal provided by the DHR® 7000's triple sealing edge, and its great field of vision allows for optimal situational awareness.



MS-COM



Hydration Device

HIGHEST STANDARD TO KEEP YOU SAFE

To ensure the highest-level of safety, the all system components have passed a comprehensive National Fire Protection Association (NFPA) and National Institute for Occupational Safety and Health (NIOSH) CBRN testing and approval program. The Dräger DHS® 7000 uses Dräger's worldwide industry-leading breathing technology to ensure the air you breathe is safe. The C-420 Powered Air Purifying Respirator and the Dräger CAP 1 Canister are well known and field proven equipment.

DOING MORE WITH LESS

You have enough on your shoulders. Dräger wants to help minimize your burden, both physically and financially. The DHS enables you to use both a gas mask or PAPR and an SCBA in a single operation without having to carry multiple masks. This also means less time in pre-op preparation and in maintaining your gear. Additionally, it is only necessary to purchase one mask for three modes, rather than a separate mask for each mode, saving you the cost of extra masks.

Polycarbonate lens offers impact resistance and >90% field of vision

Hydration tube for long-duration operations

Optional microphone for radio communications

D-10603-2011



Rubber head harness or optional fabric hairnet

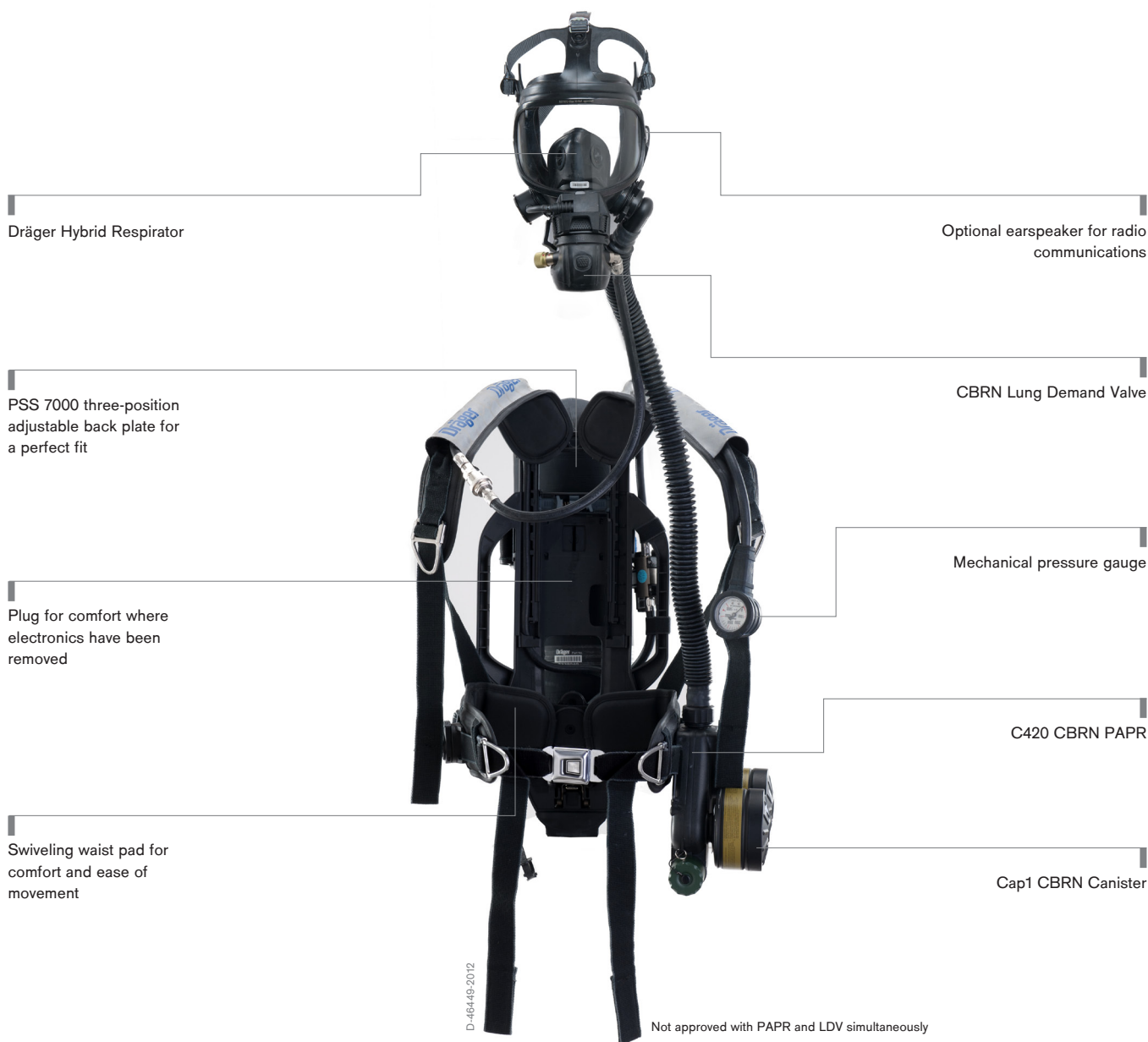
Positive/negative pressure mode switch with negative pressure mode indicator

Rd40 connection for use in negative pressure mode with APR canister or C420 PAPR hose

Positive pressure P-Con for use as SCBA

Options for every environment

- CBRN Canister for APR or PAPR use
- CGA or Cylinder Quick Disconnect for rapid cylinder changes with the PSS 7000 H
- 60, 45, or 30 minute carbon composite cylinders
- Electronic voice communication options
- Rubber or fabric head harness for maximum comfort



Not approved with PAPR and LDV simultaneously

TECHNICAL DATA

DHR 7000

Mask Body	EPDM (dermatologically tested)
Visor	Polycarbonate (PC), anti-scratch coated
Field of Vision	> 90 %
Head harness	5-Point rubber or hairnet
Sizes	3 sizes (S,M,L)
Weight	Approx 1 lb. 9 oz.
Operating Modes	Positive and negative pressure mode, operated by mode switch – visual mode indicator for negative pressure mode
Connection Piece	Front: Positive Pressure P-Con (SCBA) Side: Negative Pressure Rd40, EN148-1 (APR, PAPR)
Hydration Device	Optional with swiveling mouth piece for use with M1 canteen or CamelBak hydration system
Communications	Speech diaphragm standard Optional MS-COM UL 913 approved
Options	Left and right-handed versions Heads Up Display for use with SCBA
Storage Temperature	5 °F to 77 °F
Accessories	Mask Spectacles, Mask Box, Disinfecting Agent, Anti-Fog Gel

CONTINUING TECHNICAL DATA

PSS 7000 H

Weight (Backplate and Harness)	Approx 12 lbs. 8 oz.
Input Pressure	4500 psi
Nominal 1st Stage Output Pressure	108 psi
1st Stage Output Flow	> 1000 L/min
LDV Output Flow	> 500 L/min
Whistle Activation Pressure	510 to 1215 psi
Whistle Sound Level	> 95 dBA

C420 PAPR

Maximum Flow Rates	
Power	4056917 Battery, LiSO ₂ , BA 5800/U: operates 10 hours, battery shelf life 10 years (unopened)
Ambient Temp	-32 to 49 °C / -26 to 120 °F
EMI	MIL-STD-461C, Part 4, RE02
Environmental	Water and dust protection – IP68 (inlet & outlet ports closed)
Decon	Blower and battery compartment are airtight
Expected working life of blower	(MTTF) > 1,000 Hrs
Dimensions (without filters) (WxHxD)	7.87 x 8.90 x 3.39 (in)
Weight (with two filters and battery)	Approx 3 lbs. 3 oz.

Approvals

NIOSH 42 CFR Part 84
NFPA 1981:2007
NIOSH CBRN APR, PAPR, SCBA

ORDERING INFORMATION

Masks

DHR 7000, Medium, Hydration right, Installed MS-COM Holder	R58492
DHR 7000, Medium, Hydration right	R57970
DHR 7000, Medium, Hydration left	R58480
DHR 7000 Small or Large and/or without hydration	On request

SCBA

PSS 7000 H CGA	TBD
PSS 7000 H Quick Connect	TBD
PSS 100 H	TBD
PSS 7000 H Upgrade Kit	TBD
PSS 100 H Upgrade Kit	TBD

APR/PAPR

C-420 CBRN PAPR Kit (Includes C-420 PAPR and Case)	4059490
Cap1 CBRN Canister	6738146

4500 PSI Cylinders

60 Minute Flat Black Cylinder and Valve Assembly	4058593
45 Minute Flat Black Cylinder and Valve Assembly	4043168
30 Minute Flat Black Cylinder and Valve Assembly	4043167
Other Cylinders	On Request

Accessories

MS-COM Bracket	R58362
MS-COM	R57974
MS-COM Push-to-Talk	R58361
Heads-up Display	4040023
Cylinder Sleeve for 60 Minute Cylinder	4056555
Cylinder Sleeve for 45 Minute Cylinder	4056556
Cylinder Sleeve for 30 Minute Cylinder	4056557
HP Cylinder Quick Connect Adapter	3356174
Fabric Hairnet	4054930
Rubber Head Harness	4057102
Spectacle Kit (Plastic Frame)	4056406
Spectacle Kit (Wire Frame)	R51548
Chest Strap	3339280
Rubber Handwheel Cover	4058233
Gauge Retaining Clip	3352089
LDV Holder	3357527

Ordering Matrix on request

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