

Dräger Hybrid System (DHS®) 7000

The Dräger Hybrid System (DHS) 7000 is designed for situations where seconds could be the difference between life and death. Approved as a CBRN Cap 1 APR, CBRN Cap 1 PAPR, or CBRN SCBA, this versatile system enables you to adapt to and overcome a variety of CBRN operational environments*.

*The Dräger Hybrid System (DHS 7000) is not approved as a combination APR, PAPR and SCBA.



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 range of CBRN environments. That's because the Dräger DHS 7000 system can be used as a CBRN Cap 1 APR, CBRN PAPR Cap 1, or as a CBRN SCBA with only one face piece.

The DHS® 7000 is the right piece of equipment if you face potential CBRN operations or long-duration missions. We have reduced the number of electronic lights and alarms that could compromise your location, which helps to make your mission swift and silent.

THE CENTERPIECE – THE DHR 7000 HYBRID RESPIRATOR

Based on the newly designed Dräger Hybrid Respirator (DHR®) 7000, the mask is capable of working in either a positive pressure mode as a SCBA or in a

negative pressure mode as a CBRN CAP 1 APR or a CBRN Cap 1 PAPR. Switching between these modes is as simple as flipping a switch.

The DHR 7000 offers a hydration device that can be connected to a canteen or a CamelBak® for long duration missions. In addition, there is an optional communication system – the MS-COM – for operations that involve teamwork. The MS-COM has 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 facilitate understanding of messages between teammates.

You can be confident in the seal provided by the DHR 7000 because it has a triple sealed edge, and the wide field of vision enables optimal situational awareness.



MS-COM communication system



Hydration Device

HIGHEST STANDARD TO KEEP YOU SAFE

To ensure the highest level of safety, system components have passed comprehensive National Fire Protection Association (NFPA) testing in accordance with NFPA 1981 (SCBA standard) and are certified by the Safety Equipment Institute and National Institute for Occupational Safety and Health (NIOSH) CBRN. Additionally, the Dräger DHS 7000 breathing technology, C-420 Powered Air Purifying Respirator, and Dräger CAP 1 Canister are all field proven.

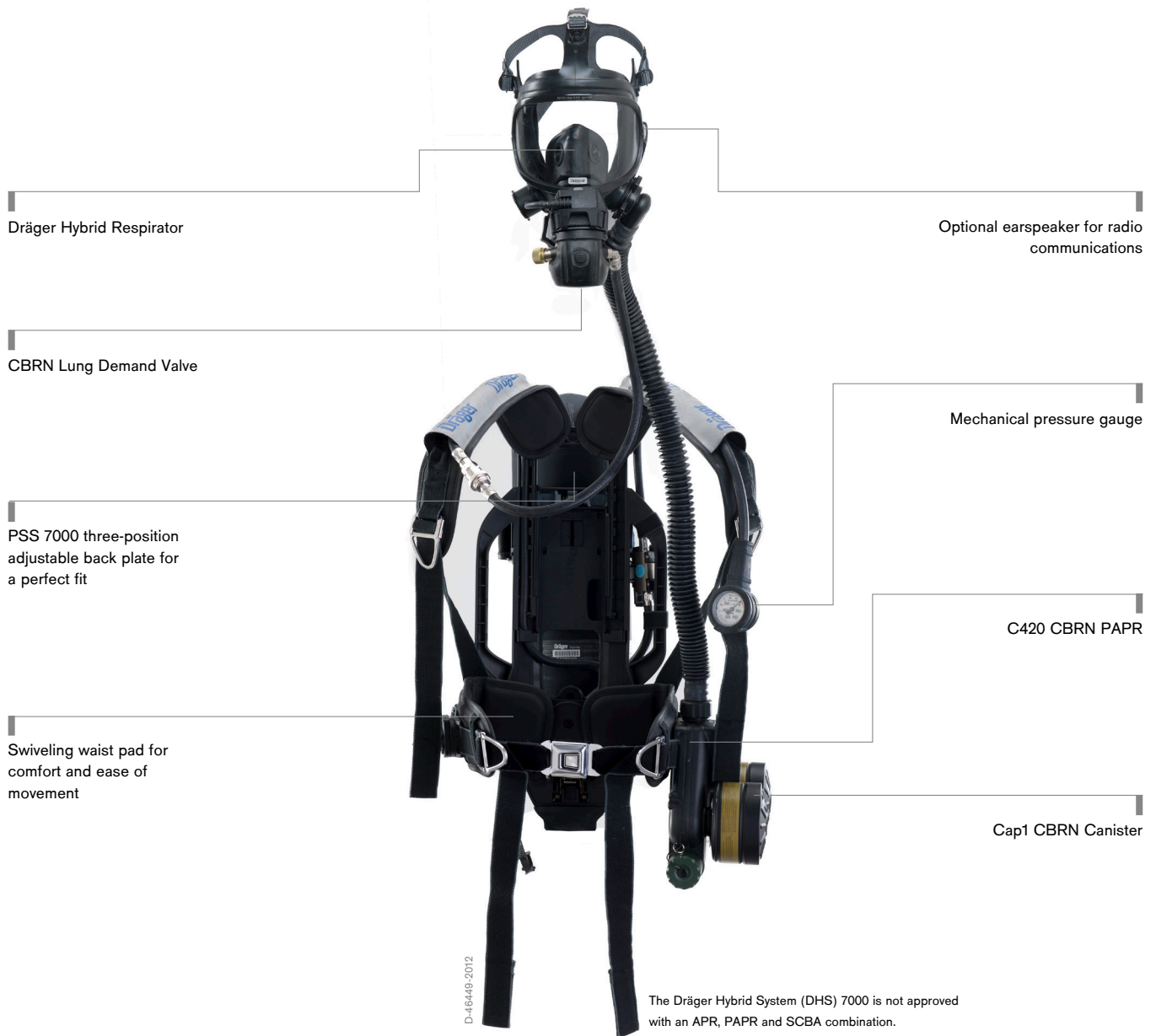
DOING MORE WITH LESS

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



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
- 4500 PSIG with 60, 45, or 30-minute carbon composite cylinders
- Electronic voice communication options
- Rubber or fabric head harness for maximum comfort



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TECHNICAL DATA

DHR 7000

Mask Body	EPDM
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-Connector (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	-27.4 to 160 °F (-33 to 71 °C)
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	1035 to 1215 psi
Whistle Sound Level	> 95 dBA

C420 PAPR

Flow Rate	115 – 150 L/min
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

SCBA, NIOSH 42 CFR, Part 84, NFPA 1981:2007, NIOSH CBRN SCBA,	
TC-13F-0658CBRN	30 Minute, 4500 PSIG
TC-13F-0659CBRN	45 Minute, 4500 PSIG
TC-13F-0660CBRN	60 Minute, 4500 PSIG
CBRN APR Cap 1	TC-14G-0314
CBRN PAPR Cap 1	TC-14G-0315

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	4043173
PSS 7000 H Quick Connect	4043175
PSS 100 H	4043171
Contact a Dräger service center about modifying your PSS 100s or PSS 7000s to hybrid versions.	

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	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

CamelBak is a registered trademark of CamelBak Products LLC

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