DH-202

REUSABLE HALF MASK RESPIRATOR

TWIN MIDI / TWIN CARTRIDGE

Soft TPR face seal. Adjustable head cradle. A reusable Dromex half mask for use with compatible gas and/or particulate cartridges.

Product artwork from supplied catalogue; filters illustrated.

SOFT FACE SEAL
Thermoplastic rubber body

ADJUSTABLE FIT
Cradle + quick-release toggles

REPLACEABLE FILTERS
Dromex twin-cartridge system

TECHNICAL SPECIFICATIONS

Style / size	Twin cartridge; reusable; adjustable head cradle; storage protective mould. Standard (one size fits all).
Body / harness	TPR; dual harness. Adjustable cradle withstands 50 N pull for 10 s.
Temperature resistance	24 h dry atmosphere at (70 + 3) °C; 24 h at (-30 * 3) °C. Symbols as printed in supplier sheet.
Inward leakage	<5% of inhaled air; mean result does not exceed 2%.
Exhalation valve	Continuous flow: 300 l/min for 30 s. Housing and attachment: axial tensile force of 50 N for 10 s.
Mass / fittings	100.4 g without cartridge assembly. No metal fittings.
Storage accessory	Half-mask storage bag: DHRB-BLK.

DESIGN & FUNCTION

High-performance exhalation valve; dual elastic headband; pressure-corrective pivot headband; adjustable skull cradle and large quick-release toggles for use with gloves. The headband permits donning and removal when head protection cannot be removed. Low-profile design integrates with face shields, eye protection and hard hats. Adjustable standard body complements the twin-cartridge system, reducing cartridge and respirator inventory. Easy to use and clean, with minimal maintenance.

MATERIALS & COMPONENTS

1. Grey thermoplastic rubber (TPR) mask body
2. Grey polypropylene valve cover
3. Grey silicon valve piece
4. Grey polypropylene valve seat
5. Black/blue (20 mm) elastic headband (19 mm)
6. Black polypropylene buckle - M
7. Black polypropylene buckle - F
8. Black polypropylene swivel clip
9. Black polypropylene locating pin
10. Black polypropylene cradle clip
11. Black polypropylene (low density polyethylene) adjustable head cradle

COMPLIANCE & CONFORMITY

Supplier-stated approvals and standards:
NRCS: SANS 10338:1999, as required by the Occupational Health and Safety Act, 1993 (Act 85 of 1993), and Mine Health and Safety Act, 1996 (Act 29 of 1996).
Half / quarter masks: SANS 50140:1998 (requirements, testing, marking); NRCS Type Approval AZ 2011/46.
CE EN: BSI 0086; Type Examination 69552 - UNIFIT Half Mask; approval from IOM (Institute of Occupational Medicine), EH8 9SU, WHO collaborating centre for occupational health.
Testing: BS 7356:1990 EN140:1998; report AP/530/147(d); contract AP/530/147.
Quality system: ISO9001:2008 certificate HK01/00703, SGS; UKAS approval 005.
Approved filters: particulate EN 143:2003; gas EN14387:2004 + A1:2008.

Source wording retained for component 3, headband dimensions and component 11; material descriptions require supplier clarification if used for procurement.

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USE, CARE & FILTERS

SELECTION & SAFE USE

Read respiratory selection with **BS EN 529:2005**, Respiratory Protective Devices - recommendations for selection, use, care and maintenance. **This respirator does not supply oxygen.** Do not use or enter areas where oxygen is unknown or below **19.5%** (including tanks / poorly ventilated areas); contaminants or concentrations are unknown or immediately dangerous to life or health; or particulate / gas concentrations exceed applicable health and safety limits. **Do not use in explosive atmospheres or for firefighting.** Beard or facial stubble may prevent leak tightness. Inspect thoroughly before every use; discard immediately if visibly damaged. The end user must determine suitability for the intended use because actual conditions cannot be directly simulated in tests. The supplier states that no manufacturing materials or processes are known to harm the wearer, production is monitored and inspected, and the design accommodates basic PPE safety requirements and standards. This information assists PPE selection.

FITTING YOUR HALF MASK

1. Ensure straps are not twisted and do not cover the ears.
2. Place the skull cradle at the back of the head, nosepiece facing up. Don the mask with all cartridges and pre-filters fitted.
3. With the cradle correctly positioned, take a headband fastener in each hand, bring around the neck and fasten the plastic clip.
4. Adjust the fit. For the supplier-described check, place a piece of card in front of the filters and inhale; the respirator should contract sharply.

CLEANING & MAINTENANCE

Clean and check for worn or damaged parts before and after use. If a cartridge is to be reused, leave it fitted and clean it with a cloth and warm soapy water; dry with a clean cloth. **Do not let water enter the cartridge.** For thorough cleaning, remove the cartridge and exhalation valve; wash the respirator body in warm soapy water and dry. Refit parts in reverse order, taking care not to damage the inhalation / exhalation rubber valves. Check valve condition weekly; replace damaged or deteriorated valves.
Do not use solvents, strong detergents, bleaches or petroleum-based products on any mask part. Maximum cleaning temperature: 30 °C.

FILTER REPLACEMENT & DISPOSAL

Remove the pre-filter cover and unscrew the cartridge. Remove it from the mask with its connector and dispose of hygienically and safely. Clean the respirator. Refit a new UNIFIT filter complete with valve, following the cartridge instructions. **Twin-filter black plate: right-hand thread.**
Dispose of industrial waste according to local regulations and good practice, considering the hazardous substance for which the respirator was used. Consider recycling.

PACKAGING & STORAGE

Individually packed in a retail packet with plastic euro-slot hanger; **40 units per box**. Remove the black plastic protective mould / shipping cover before use; replace after use to protect the mask seal during storage. Store in a cool, dry place. Correct storage gives a stated shelf life of **five years**. Supplier storage symbols: **+2 °C to +55 °C; <75% RH.**

PRODUCT MARKING

Front: type and model, **DroAir DH-202**.
Inside: manufacturer name / brand, **DROMEX**.

AVAILABLE CARTRIDGES

PART NUMBER	CLASS	DESCRIPTION
DHCT-A1	A1	Organic class 1
DHCT-A2	A2	Organic class 2
DHCT-B1	B1	Inorganic class 1
DHCT-E1	K1	Ammonia & organic ammonia class 1
DHCT-K1	E1	Sulfur dioxide & acidic class 1
DHCT-ABEK1	ABEK1	Combination filter class 1
DHCT-P2	P2	Particulate filter class 2
DHCT-P3	P3	Particulate filter class 3
DHCT-P2PF	P2PF	Particulate pre-filter class 2
DHCT-P3PF	P3PF	Particulate pre-filter class 3

Source note: DHCT-E1 / K1 and DHCT-K1 / E1 pairings are reproduced exactly as printed by Dromex. Confirm the appropriate cartridge and classification with the supplier before selection.

SCAN FOR PRODUCT

Visit the MiCan website
mican.martinmuller.co.za

Temporary destination pending client approval.

Technical source: Dromex DH-202 supplier PDF, two pages supplied by the client. Specifications and approvals reproduced from that sheet; dates and classifications are supplier-stated. Product artwork taken from the client-supplied catalogue reference; technical content verified against the supplier PDF.