

First IS approved Gas Mask and Filter
IS 15323



CM/L - 7945905




JLD

GAS FILTERS

JLD RESPIRATORY FILTERS FOR USE WITH FULL FACE OR HALF MASKS WHEN WORKING IN AREAS EXPOSED TO POLLUTANTS THAT HARM BREATHING

Gas Filters Features

-  marking to IS 15323: 2003
- Suitable for all full face and half masks with thread connectors conforming to IS 14138 part-I or EN 148 (I)
- Available for protection against individual and combination of Acid and Organic Gases or Acid / Organic, Ammonia and particulate matter
- Maximum protection level upto 10000 ppm for specific gas
- Low Breathing Resistance
- Also available in combination of gases and with particulate - P3 filters
- Canisters are colour coded as per application
- Manually replaceable

Types of Filters

JLD offers a wide variety of filters for respiratory protection. Indigenous range include following Canisters:

- Organic gases and vapors Type A
- Inorganic gases and vapors Type B
- Acidic gases Type E
- Ammonia gases Type K

- Particulate matter Type P
- Combination of the above

Variable Filter Capacities

All filters are available with low, medium and high capacity which is defined as follows:

- Low capacity filters : Maximum gas concentration upto 0.1% V/V
- Medium capacity filters : Maximum gas concentration upto 0.5V/V
- High capacity filters : Maximum gas concentration upto 1.0% V/V

Note : Class 1 and 2 Filters can be directly connected to a face mask, Class 3 Filters are to be body mounted with the help of a carrying case and belt

Accessories to connect Class 3 filters for body mounted type are

- Carrying Strap
- Corrugated tube with Jumbo screw-in connection



Filter Colour Coding


Colour	Filter Type	Main field of application
Brown	AX	Gases and vapours of organic compounds with boiling point < 65°C
Brown	A	Gases and vapours of organic compounds with boiling point >65°C
Grey	B	inorganic gases and vapours, e.g. chlorine, hydrogen sulphide, hydrogen cyanide
Yellow	E	Sulphur dioxide, hydrogen chloride
Green	K	Ammonia
Black	CO	Carbon monoxide
Red	Hg	Mercury vapour
Blue	NO	Nitrous gases, including nitrogen monoxide
Orange	Reactor	Radioactive iodine including radioactive methyl iodide
White	P	Particles
Black with special Approval		NBC (CBRN) warfare agents, including 'Tear gas' (Indian Defence Approved "Neelkantha - A and P")

Band of colours used to code filters for protection for combination of gases or particulate matter.

Note:

- Read 'instructions for use' carefully before use.
- Concentration and nature of harmful substances shall be known
- Oxygen content shall be more than 17% V/V
- Filters shall be used only with suitable face mask

Technical Data

Body	1 Metal : Aluminium 2 Plastic : HIPE (std)
Filtering material	Impregnated Carbon / HEPA / suitable catalyst (depending on application)
Weight	Approx. 300 g for Class I filter Approx. 400 g for Class II filter Approx. 800 g for Class III filter
Tested and approved	1 Tested to IS 15323 : 2003 and EN 14873 2 IS 15323 : 2003  mark license no CM/L 7945905 for Gas Filters Used in Respiratory protective equipments (ISI marking includes for type A , B , E and K (all Classes Only) NBC Filters as per defence R&D est. spec.



Ordering Information

Class I			
E1	1000 ppm Acid gases, Screw-in type, Al Body, ISI marked	D-3100	
A1	1000 ppm Organic vapour with BP>65°C, Screw-in type, Al Body, ISI marked	D-3101	
K1	1000 ppm Ammonia, Screw-in type, Al Body, ISI marked	D-3102	
H2S	1000 ppm H2S , Screw-in type, Al Body, ISI marked	D-3103	
ABEK1	1000 ppm Combination gases, Screw-in type	D-3104	

	B1	1000 ppm Inorganic gases, Screw-in type, ISI marked	D-3105
	AE1	1000 ppm Combination of Acid and Organic gases / vapours, Screw-in type	D-3106
Class I, Twin Filter Pack	E1	1000 ppm Acidic Gases, Bayonet connectors, Thermoplastic body, Set of two Filters	D-3000
	A1	1000 ppm Organic Vapours with BP>65°C, Bayonet connectors, Thermoplastic body, Set of two filters	D-3001
	K1	1000 ppm Ammonia and derivatives, Bayonet connectors, Thermoplastic body, Set of two filters	D-3002
	H2S	1000 ppm H2S gas, Bayonet connectors, Thermoplastic body, Set of two filters	D-3003
	AEK1	1000 ppm Combination of gases, Bayonet connectors, Thermoplastic body, Set of two filters	D-3004
	B1	1000 ppm Inorganic gases (excluding CO, Nox), Bayonet connectors, Thermoplastic body, Set of two filters	D-3005
	AE	1000 ppm Combination of gases (OV + Acidic gases), Bayonet connectors, Thermoplastic body, Set of two filters	D-3006
Class II Filters	E2	5000 ppm Acid gas, Screw-in type, Al Body, ISI marked	D-3200
	A2	5000 ppm Organic vapour Organic Vapours with BP>65°C, Screw-in type, Body, ISI marked	D-3201
	K2	5000 ppm Ammonia, Screw-in type, Al Body, ISI marked	D-3202
	H2S	5000 ppm H2S, Screw-in type, Al Body, ISI marked	D-3203
	A2B2E2K1	Combination of Organic, acid, Inorganic gases, Acidic gases 5000ppm and 1000 ppm Ammonia and ammonia derivatives, Al Body, Screw-in type	D-3204
	A2B2E2K2	Combination of 5000 ppm Organic, Inorganic, Acid, Ammonia and ammonia derivatives, Screw-in type, Al Body,	D-3205
	B2	5000 ppm Inorganic gases, Screw-in type, Al Body, ISI marked	D-3206
	A2E2	5000 ppm Organic gases/ vapours and Combination of Acids, Screw-in type, Al Body	D-3207
	AX	5000 ppm low boiling point (e.g formaldehyde), Screw-in type, Al body	D-3208

Class III Filters	E3	Jumbo canister for 10000 ppm Acid gas, ISI marked	D-3300
	A3	Jumbo canister for 10000 ppm Organic vapours with BP > 65°C, ISI marked	D-3301
	K3	Jumbo canister for 10000 ppm Ammonia ISI marked	D-3302
	H2S	Jumbo canister for 10000 ppm H2S ISI Marked	D-3303
	A3B3E3K3	Jumbo canister for 10000 ppm Combination gases canister	D-3304
	B3	Jumbo canister for 10000 ppm Inorganic gases, ISI marked	D-3305
	A3E3	Jumbo canister for 10000 ppm combination of Organic and Acidic gases	D-3306
NBC Canister	Neelkantha-A	Black Aluminum body, Standard threaded connection to EN 148(I) / IS 14138 (I), Protection against NBC (CBRN) agent	D-3400
	Neelkantha-P	As per DRDE/0287/NBCD/98/4(b) rev-1 Black Plastic body, Standard threaded connection to EN 148(I) / IS 14138 (I), For protection against NBC (CBRN) agent As per RDE/0287/NBCD/98/4(b) rev-1	D-3401
Tear Gas Filter	Tear gas filter	Filter for protection against riot control agents Aluminum body, Standard threaded connection to en 148(i) / is 14138 (I), Screw in type	D-3402
P3 Particulate Filter	P3 filter	Thermoplastic body, Thread connection to EN 148 -1 with minimum 99.97% efficiency for 0.3 micron DOP aerosol.	D-3500

Note: Combined filter with combination of P3 particulate filter and screw in canister are available as per requirement

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