

NBC FILTER CANISTER TYPE 80



SHALON 
CHEMICAL INDUSTRIES LTD.

THE HOME FOR HOMELAND SECURITY

NBC FILTER CANISTER TYPE 80

The Type 80 filter canister was developed for the Israel Defense Force (IDF) to provide protection against all known NBC agents in the form of vapours and aerosols. It is supplied as an integral part of all Shalon's personal respiratory protection systems.

The Type 80 is a robust durable canister intended for military and civil defense use. It is specially designed for comfort and extended use at a minimal physiological load, having low breathing resistance and low weight. Its design assures optimal performance complying with all IDF specifications as well as the performance requirements of the American Army C2 filter canister. The filter is supplied with a standard Nato thread (40 mm x 1/7") and is thus compatible with almost all military and industrial respirators. The Type 80 filters are supplied sealed with leak-proof plastic caps, assuring a shelf life exceeding 15 years.

Typical performance Characteristics

Weight:	228 g (w/o caps)
Diameter:	106 mm
Height:	75 mm
Air flow resistance:	14 mm water gauge at a flow of 30 lpm
Aerosol penetration:	<0.01%
CK gas life:	100 minutes (at a flow of 30 lpm and inlet concentration of 2.4 mg/l)
DMMP gas life:	250 minutes (at a flow of 30 lpm and inlet concentration of 3.0 mg/l)
Charcoal:	ASC 12x30 complying with Mil-C-13724D
Filter medium:	Glass fibre HEPA media complying with ASME AG-1 Section FC-1

The production of Type 80 filter canisters is controlled by rigorous quality assurance tests and procedures. Each filter canister is tested in the production line for air flow resistance, aerosol penetration, leakage and workmanship, and cannot leave the factory without passing all these tests. In addition, Shalon's QA laboratories perform gas-life tests (cyanogens chloride, DMMP, chloropicrin, phosgene, HCN) on charcoal samples from each drum and on completed canisters sampled from each production lot.



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