

Annexure-A: Technical Specification of Cartridge for Half Mask Respirator

Model No: Particulate Filter 2091, P100

Make: 3M

Filter can be used as a stand-alone filter with 3M™ 6000, 7500, 7800 and Ultimate FX FF-400, Series Face pieces or as a pre filter with 3M™ 5000 Series Respirators and 6000 Series Cartridges

Versatile protection: Well suited for a wide range of a pre filter for certain chemical exposures.

Exceptional filter efficiency: Passing NIOSH's P-series test criteria, the 2091, P100 filter should provide minimum 99.97% filter efficiency.

Durability: The unique flexible filter material should resist abrasion and wetting. Filters should be flame and water resistant.

- No components should be made from fibre glass.
- Should be tested against particles approximately 0.3 micron in size (mass median aerodynamic diameter) per 42 CFR 84.
- Radioactive particulate materials such as uranium and plutonium should be able to handle by filter.
- Lifetime of cartridge should be minimum 40 hours of use or 30 days, whichever is first.
- Cartridge should be free of crack, hole, dirt & tears.
- Party should supply catalogue and literature of material quoted.
- Test Certificates may provide for evaluation under NIOSH/MSHA/OSHA Approved, P100 Type.
- Sample may provide for approval before final supply of material after placement of Purchase Order.