



TECHNICAL SPECIFICATIONS



FIRE

IMPERIAL ARMOUR'S BREATHING APPARATUS:

OVERVIEW:

The **IMPERIAL ARMOUR** – SCBA (Self Contained Breathing Apparatus) or sometimes referred to as a CABA (Compressed Air Breathing Apparatus) or more simply just a BA (Breathing Apparatus) is a device worn by Rescue workers and Fire fighters to provide breathable air in an IDLH (Immediate Danger to Life and Health) atmosphere.

The term self-contained means that the breathing set is not dependant on a remote supply.

KEY ELEMENTS:

- ✓ An SCBA typically has 3 main components all connected and mounted to a carrying frame.
- ✓ A high-pressure tank (e.g. 2200psi – 4500psi)
- ✓ A pressure regulator
- ✓ An inhalation connection (mouthpiece, mouth mask or face mask)
- ✓ There are 2 kinds of SCBA:
 - A closed circuit SCBA – which is ideal when a longer duration supply of breathing gas is needed e.g. mine rescue or in long tunnels. This is because this type of SCBA filters supplements and re-circulates exhaled gases.
 - An open circuit SCBA – This BA is filled with filtered compressed air rather than pure Oxygen. A typical open circuit SCBA has 2 regulators. A first stage to reduce the pressure of air to allow it to be carried to the mask and a 2nd stage regulator to reduce it even further to a level just above standard atmospheric pressure. This air is then fed to the mask via either a demand valve (activating only on inhalation) or a continuous positive pressure valve (providing constant air flow to the mask)



WARRANTY:

12 months