



## IS 14483 (Part 3): 2018 Fertilizer and Chemical Injector System Part 3 Fertilizer Tank — Specification

As the fertigation technique i.e. application of fertilizers through irrigation water in drip irrigation systems is fast becoming popular in the country with the increased use of drip/sprinkler irrigation systems, need was felt to formulate this new standard to standardize and improve the quality of fertilizer tanks in use and to rationalize the specifications.

**Consumers** of this product expect various **quality parameters** such as **material, dimensions, volume** and **other technical** and **safety requirements**.

The **Indian Standard IS 14483 (Part 3): 2018** addresses these expectations by providing a comprehensive specification for the product. The main objectives of this standard are:

- i) To specify the **nominal sizes** and classify different types of fertilizer tanks according to the techniques used.
- ii) To specify technical requirements for the effective and efficient use of the equipment.
- iii) To specify **health** and **safety** aspects related to the equipment
- iv) To specify **maintenance** requirements to sustain the corrosive action of fertilizers
- v) To specify suitable test methods for evaluating the **performance** parameters of the equipment.

This standard specifies the mechanical and functional requirements for fertilizer tanks used in irrigation systems, test methods and the data to be supplied by the manufacturer to permit correct installation and operation in the field. The standard applies to fertilizer tanks working on the principle of differential pressure used in irrigation systems. This standard also applies to the fittings used for connecting fertilizer tanks with the irrigation systems.

The requirements for packing and marking are also prescribed in the standard.

**Compliance** to the requirements prescribed in the standard ensures a good **quality** product which meets the expectations of the consumers.