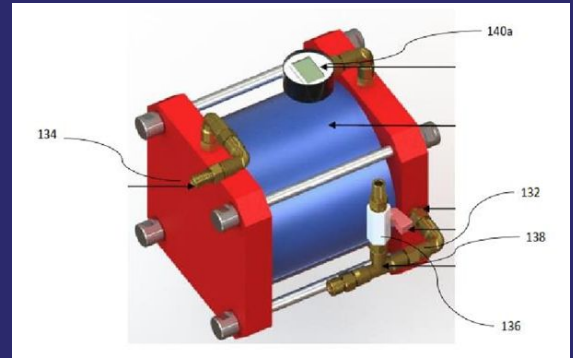


Granted IN201911008791

An apparatus for determining gas permeability of concrete and method thereof



NEED

Concrete often exhibits excessive permeability due to various factors like poor mixing and air entrapment, leading to durability issues.

SOLUTION

The invention introduces an apparatus and method to determine gas permeability in concrete, addressing analysis, handling, and portability concerns.

INNOVATION

The apparatus features a specimen chamber, gas storage chambers, and a purification unit for reusing gas, providing an efficient and cost-effective solution.

MARKET ANALYSIS

Market: Construction and civil engineering
CAGR: 3-5%
Potential Indian Clients: Construction companies, civil engineering firms

WHY INVEST?

- Gas permeability
- Concrete
- Two-stage pressure regulator
- High efficiency particulate (HEPA) filter

AT A GLANCE

- Current TRL NA
- Funded by NA
- IPC A23L, B01L, G01N
- Domain
Concrete durability testing



For more information, reach out to (contact person), (designation), (organization) at (email ID) and (phone number)



Prof. Abdul Salam, Prof. Bahurudeen, Varghese Jittin, Prof. R Anand Kumar, Prof. R Sentikumar
Department of, Civil Engineering
BITS Pilani, Hyderabad Campus

