

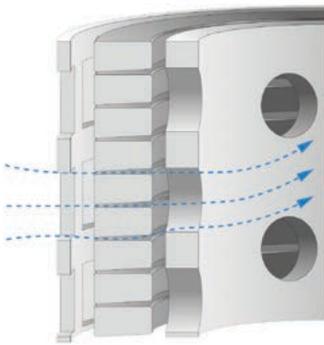
Sand control simplified



Advanced ceramic design resists erosion and corrosion – helps reduce workovers, increase production.

Sand screens are commonly used in downhole completions to prevent the spread of formation sand throughout facilities and pipelines. Many conventional sand screen systems are made of metals that are vulnerable to abrasion, which can affect both system performance and equipment life.

3M™ Ceramic Sand Screens offer a major improvement over metallic sand screens – utilizing the unique properties of technical ceramics to provide effective downhole sand control, while resisting erosion from sand and corrosion from water and harsh chemicals.



Cross section of ceramic sand screen

- 10 times the hardness of metallic screens
- Proven to resist wear even under high-velocity flows
- Reduces workovers
- Can control proppant flowback
- Helps extend equipment life
- Can eliminate the need for complex sand control methods
- Suitable for HPHT applications
- Can be used in vertical, deviated and horizontal wells

3M™ Ceramic Sand Screens are highly effective in unconsolidated reservoirs where sand grains are only loosely packed together, resulting in a significant risk of sand production. These versatile screens can be retrofitted to existing wells that suffer from sand problems as a result of reduced reservoir pressure, or installed in new wells. Retrofitting with the system is possible in almost any prevailing wellbore condition; available configurations include thru-tubing ceramic sand screen, standalone ceramic sand screen and sleeve protector.



Collaborating for Success

The 3M Ceramic Sand Screen Team is committed to working with you to find the best possible sand control solution for your conditions and requirements. All projects are under the supervision of experienced project managers who will monitor and report back frequently and promptly. This process includes a broad range of Sand Control & Test Services, including:

- Particle size distribution (PSD) analysis
- Dry sieve analysis
- Laser particle size analysis (LPSA)
- Sand retention test
- Erosion test
- Corrosion test
- Scanning electron microscope (SEM)
- X-Ray diffractometry



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