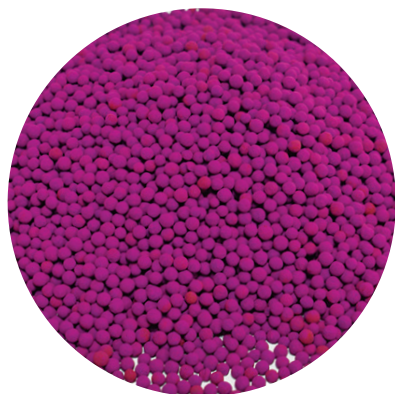


TerraOxi

GAS PHASE SERIES

Air Purification Media



- ❖ Activated Alumina Based Oxidization Media
- ❖ Utilizes Chemisorption Method to remove Target Impurities.
- ❖ Can Remove Wide Spectrum of Impurities.
- ❖ Can Simultaneously Handle Multiple Impurities.
- ❖ Most Suitable Media for all Indoor Air Quality (IAQ) Requirements.
- ❖ Totally Safe & Non-Toxic Fresh (New) Media.
- ❖ Suitable for all types of Installations, such as Deep Filtration Beds, Cassette & Canister Module equipment systems.
- ❖ Easy to Install & Replace

JAF TerraOxi, are derived from Superior Quality, Activated Alumina combined with other special binders, Formed in Spherical, Porous Pellets, precisely impregnated with High Quality Potassium Permanganate ($KMnO_4$) to target Wide Spectrum of Gaseous Pollutants. TerraOxi shall have Tested & Approved high removal efficiencies & capacities for various specific pollutants by Chemisorption method, especially, when supplied with JAF, positive sealing, Air Filtration Systems.

Quality Control

Each Purchase of TerraOxi shall ensure proper testing before shipment of media from JAF per the quality procedures defined on JAF ISO 9001 Quality Manuals.

Each Media lot shall have tested the following, however, not limited to only this:
Pellet Size, Hardness, Moisture Content, Bulk Density & H_2S Gas Capacity.

Please note that the Technical Data / Product Specifications mentioned in this catalogue are based on our sample media analysis and may subject vary during the time of actual installation, to the range of tolerance levels mentioned in this catalogue.

Packing Details

For Easy Handling & Installation of TerraOxi media, supplied as 1ft³ cardboard boxes (50 LBS), individually packed.

Also, can be supplied as 500 LBS & 1000 LBS big bags (Generally, not recommended as big bags to avoid unwanted wastage of media due to abrasion during transportation).

TerraOxi media can also be designed and supplied as Deep Filtration Beds, Cassettes & Canister modules suitable for retrofit and as new, JAF, positive sealing, Air Filtration Systems.

Installation, Handling & Disposal

Best Recommended to Install and Handle all JAF Gas Phase Filter Media using appropriate Personal Protective Equipment (PPE), such as, face masks, safety boots, rubber gloves and other relevant accessories as per customer's site requirements.

JAF Gas Phase Team shall work with the equipment owner to periodically secure media samples for life time testing reports through JAF Analytical Laboratory.

Best Recommended to adhere to local, state and federal guidelines to dispose the used JAF Gas Phase Media.

Please feel free to consult our JAF Chemical Filter Sales Personnel for further information.

Specification, appearance and content are subject to change without prior notice

Technical Data

Specification:

Apparent bulk density to ASTM D2854 (dry):	800 [g/l] ±10%
Pellet diameter:	3.0 – 5.0 [mm]
Moisture content (wt.%) to ASTM D2867 (as packed):	15 - 25 [wt. %]
Crush Strength:	50N±10%
Hardness to ASTM D3802 (as packed):	> 50 [%]
Abrasion:	< 4.5%
H ₂ S Gas Capacity (ASTM D6646)	0.10 – 0.12g/cc
Impregnants	8% KMnO ₄

other special media specifications available upon request, based on application of usage

Removal Capacities:

Hydrogen Sulphide (H ₂ S):	14 wt. % minimum*
Sulphur Dioxide (SO ₂):	7 wt. % minimum*
Nitrogen Dioxide (NO ₂):	21 wt. % minimum*
Nitrogen Oxide (NO):	5 wt. % minimum*
Formaldehyde (HCHO):	2.5 wt. % minimum*

**For Example, 100 LBS of TerraOxi media can remove 14 LBS of H₂S.*

Application Guidelines:

Operating Temperature Range:	-20°C to 51°C (-4°F to 125°F)
Relative Humidity:	10 to 95%
Recommend Air Velocity:	0.30 to 2.54m/s (60 to 500FPM)
Performance Efficiency:	99.5% (minimum) Initial Removal Efficiencies in JAF equipment.