

PureLite®

Chemical adsorbent

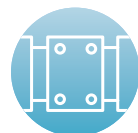
Possible to make the optimum choice with our abundant lineup according to your intended purpose.



Tray type



Air conditioner built-in type



Duct connection type



Features

- Boasts of an overwhelming adsorption power compared with the conventional air-cleaning agent that is based on physical adsorption.
- The four functions, namely redox reaction, neutralization reaction, catalytic action, and physical adsorption produce a synergistic effect.
- The optimum adsorbent can be selected and combination can be made according to the type and concentration of the target gas, air volume and installation space.



White cylindrical shape



Red purple cylindrical shape



Red purple spherical shape



Black cylindrical shape



Black fractured shape



Types of target substances and media

| Grade | Appearance | Size | Bulk density | Main target gas | Packing unit |
|-------|------------------------------|--------------|--------------|--|-----------------------|
| A2 | White cylindrical shape | φ3×(10±5) | 0.70 - 0.80 | Hydrochloric acid / Sulfuric acid / Nitric acid / Hydrofluoric acid | 15kg/case |
| A3H | Black fractured shape | 4×8 mesh | 0.40 - 0.50 | Hydrogen sulfide/Acetic acid/Organic acid/Sulfuric acid | 12kg/case |
| E2 | Red purple cylindrical shape | φ3×(10±5) | 0.45 - 0.55 | Hydrogen sulfide/Sulfurous acid gas Mercaptan/Ethylene Other complex odors | 10kg/case |
| E3 | Red purple cylindrical shape | φ3×(10±5) | 0.60 - 0.70 | | 15kg/case |
| E5 | Black fractured shape | 4×8 mesh | 0.48 - 0.60 | | 12kg/case |
| E5H | Black fractured shape | 4×8 mesh | 0.38 - 0.48 | | 12kg/case |
| E30 | Red purple spherical shape | φ4-φ6 sphere | 0.74 - 0.84 | | Formaldehyde/ Mercury |
| G | Black fractured shape | 4×8 mesh | 0.46 - 0.56 | Formaldehyde | 15kg/case |
| GAR | Black fractured shape | 4×8 mesh | 0.45 - 0.55 | Formaldehyde/ Acetaldehyde | 15kg/case |
| F | White cylindrical shape | φ3×(10±5) | 0.90 - 1.00 | Alkaline gas (Ammonia/Amines) | 15kg/case |
| F4 | Black fractured shape | 4×8 mesh | 0.67 - 0.82 | | 15kg/case |
| F4H | Black fractured shape | 4×8 mesh | 0.53 - 0.63 | | 15kg/case |
| K | Black fractured shape | 4×8 mesh | 0.44 - 0.54 | Organic solvent/Ozone | 15kg/bag |
| KH | Black fractured shape | 4×8 mesh | 0.32 - 0.42 | Organic acid/Nitrogen dioxide | 12kg/bag |
| O2 | Black cylindrical shape | φ3×(10±5) | 0.45 - 0.55 | Ozone/Chlorine/Nitrogen dioxide | 10kg/case |



Guide of SV value

| Intended purpose | SV value for reference |
|--|------------------------|
| Clean room related to semiconductors (outside air / circulation process) | 3,000 - 20,000 |
| Other clean rooms (outside air / circulation process) | 5,000 - 30,000 |
| Museum / Repository (acid / alkaline countermeasures) | 20,000 - 60,000 |
| Computer protection at factories etc. (air pollution) | 10,000 - 60,000 |
| Offices / Residential space of schools etc. (air pollution) | 10,000 - 60,000 |
| Odor removal at restaurant / kitchen and hospital, etc. | 5,000 - 30,000 |
| Removal of malodorous substances in laboratory and animal breeding houses etc. | 5,000 - 20,000 |
| Removal of malodorous substances in manufacturing plants | 500 - 20,000 |
| Removal of malodorous substances in sewage treatment plants | 1,000 - 10,000 |