

Product Sheet

HUMIDITY INDICATOR & DESICCATOR PLUGS

HUMIDITY INDICATOR & DESICCATOR PLUGS



PURPOSE

Humidity indicator plugs are designed to indicate the relative humidity level within a sealed container without users having to open it. Desiccator plugs both indicate and control humidity levels within the container.

WHAT ARE THEY?

Humidity indicator plugs work much like humidity indicator cards but can be screwed into the outside walls of sealed containers. Made of aluminum, brass or steel, they feature large, clear viewing windows for easy reading of humidity levels within the container. In the case of desiccator plugs, a desiccant tube extends from the indicator into the container to keep products dry.

WHY USE THEM?

Sensitive goods are often housed in containers that either should not or can not be opened until use. By installing humidity indicator or desiccator plugs into the walls of these containers, users can ensure that goods are housed at safe humidity levels without exposing them to external elements while humidity levels are checked.

USAGE REQUIREMENTS

Mount Clariant's humidity indicator plugs internally on flexible barriers, plastic and fiber bags, rigid equipment, electrical housing and other humidity controlled spaces.

Indicators are reversible and fluctuate with current relative humidity levels. Indicators are accurate within 5 percent when read at 75°F.

STORAGE AND HANDLING

- Store plugs in their original shipping container until ready for installation.
- Do not put indicators in direct contact with water or steam, as they are water-soluble. Ammonia gases will also damage indicators.

AVAILABLE CONFIGURATIONS

Clariant's humidity indicator and desiccator plugs are available in a variety of sizes and configurations, detecting anywhere from 5 to 95 percent relative humidity. Plugs are compatible with rigid-wall equipment and electrical housings, as well as most flexible barriers. Desiccator plugs are primarily designed for small containers, mechanical boxes or sealed instruments where space is limited.

Plugs are adaptable to virtually all applications for military packaging of Mil-Std-2073-1 Method 50 and AS26860 aerospace specifications. Compact plugs are designed to be leak-resistant and temperature-proof, and to withstand shock and vibration.

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Note: IAW AS26860 additional charges apply. Please contact us for full details.

HUMIDITY INDICATOR PLUGS

** As Applicable*

Label and Application	Material Finish	Finish	Thread Size	Max. Internal Pressure	Meets Specs:
2156, 2161, 2157 HI Plugs 2156: For installation inflexible barriers, rigid containers or threaded boss; 2157: For installation in containers with thick walls; 2161: For installations where space is limited.	Aluminum QQ-A-225/5 or /6	Clear anodized	3/4" - 14 Modified straight pipe	10 PSI	Mil-Std-2073-1 Method 50, AS262860
2155 HI Plugs For installation in rigid barriers.	Brass QQ-B-626	Zinc plate	3/4" - 14 Modified straight pipe	10 PSI	Mil-Std-2073-1 Method 50, AS262860
R2156 HI Plugs For installation in flexible barriers.	Aluminum QQ-A-225/5 or /6	Clear anodized	3/4" - 14 Modified straight pipe	10 PSI	Mil-Std-2073-1 Method 50, AS262860
2175 HI Plugs For installation in rigid containers or flexible barriers.	Aluminum QQ-A-225/5 or /6	Clear anodized	1.4375" - 18 UNEF	10 PSI	*Mil-Std-2073-1 Method 50, AS262860
2175R HI Plugs For installation in rigid barriers.	Aluminum QQ-A-225/5 or /6	Clear anodized	1.4375" - 18 UNEF	10 PSI	*Mil-Std-2073-1 Method 50, AS262860
SK412, SK413 HI Plugs Designed for installation in the threaded boss of shipping containers, storage cabinets and equipment housings that require a smaller indicator plug.	Brass QQ-B-626	Zinc plate	1/2" - 20 UNEF	10 PSI	N/A
2184 HI Plugs For high pressure applications	Cold-Rolled Steel	Electroless nickel	3/4" - 14 Tapered straight pipe	500 PSI (3000 PSI Burst)	N/A

DESICCATOR PLUGS

Label and Application	Material Finish	Finish	Thread Size	Max. Internal Pressure	Meets Specs:
2156-DA1, 2156-DA2 Desiccator Plug - Designed primarily for use in small containers or sealed instruments. Desiccant is refillable.	Aluminum QQ-A-225/5 or /6	Clear anodized	3/4" - 14 Modified straight pipe	10 PSI	*N/A
680000 Desiccator Plug - Effective for small containers up to 250 cubic inches in volume. Ideal for use in containers or equipment cabinets of one gallon or less. Contains approx. 3 grams of silica gel.	Aluminum QQ-A-225/5 or /6	Black anodized	18 mm - 1.5	N/A	Mil-Std-2073-1 Method 50
680300 Desiccator Plug - Initially designed for missile container protection. Effective for small containers up to 500 cubic inches in volume. Contains approx. 7 grams of silica gel.	Aluminum QQ-A-225/5 or /6	Black anodized	1" - 14 UNS	N/A	Mil-Std-2073-1 Method 50
2156/2161 PDA Porous - Desiccator Attachment Porous polyethylene tube filled with desiccant.	Aluminum QQ-A-225/5 or /6	Clear anodized	3/4" - 14 Straight pipe	N/A	*N/A
2175 PDA Porous Desiccator - Attachment Porous polyethylene tube filled with desiccant	Aluminum QQ-A-225/5 or /6	Clear anodized	1.4375"-18 UNEF	N/A	*N/A

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