Heavy Duty Industrial Stainless Steel Ash Tray Commercial Safety Receptacle

Item Number: KT-HM

Introduction

Discover our heavy duty industrial ash tray engineered for superior fire safety thermal resistance and durability in commercial and laboratory facilities. Built with premium stainless steel this unit ensures corrosion resistance easy cleaning and reliable containment of hot residues.

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Application	Description	Key Benefit
Chemical and Petrochemical Refineries	Containment of hot combustion residues and ash in designated personnel rest stations and perimeter zones adjacent to classified areas.	Mitigates accidental ignition hazards near volatile volatile-organic-compound zones through passive oxygen-starvation containment.
High-Temperature Industrial Facilities	Deployed within foundry perimeters, casting shops, and heat treatment plants where personnel require rugged waste receptacles capable of handling molten drops or hot slag.	Resists mechanical abuse and direct contact with high-temperature embers up to 800°C without warping or burning.
Semiconductor and Cleanroom Perimeters	Utilized at transition airlocks, exterior service zones, and administrative perimeters of microelectronics production sites.	Eliminates windblown ash dispersion and airborne particulate tracking through sealed internal baffling and covered apertures.
Institutional and Healthcare Campuses	Installed across hospital facilities, research laboratories, and university grounds to maintain high public safety and pristine environmental presentation.	Combines sleek architectural styling with tamper-proof security locks and fire-safe waste isolation.
Commercial High-Rise and Transit Hubs	Integrated into exterior transit concourses, airport outdoor decks, and corporate headquarters entrances with high foot-traffic volumes.	High-capacity containment core minimizes servicing frequency while anti-tip anchoring prevents vandalism and severe weather displacement.
Industrial Waste and Ashing Operations	Positioned near analytical sample prep areas and incinerator discharge zones as a reliable dump receiver for non-hazardous hot crucibles or ash sampling scrapings.	Provides immediate localized thermal shielding and safe temporary cooling storage for hot mineral residues.

Engineering Specification	Model: KT-HM-Compact	Model: KT-HM-Standard	Model: KT-HM-HighCapacity	Model: KT-HM-HazardDuty
Base Product Identifier	KT-HM-C	KT-HM-S	KT-HM-HC	KT-HM-HD
Material Grade	AISI 304 Stainless Steel	AISI 304 Stainless Steel	AISI 304 / 316 Stainless Steel	AISI 316L Marine Stainless Steel
Wall Thickness	1.5 mm (16 Gauge)	1.8 mm (15 Gauge)	2.0 mm (14 Gauge)	2.5 mm (12 Gauge) Heavy Plate
Internal Storage Volume	3.5 Liters	7.5 Liters	14.0 Liters	20.0 Liters
Thermal Rating (Continuous)	Up to 650°C	Up to 700°C	Up to 800°C	Up to 850°C
Thermal Rating (Peak Transient)	800°C	900°C	1000°C	1100°C
Exterior Dimensions (W x D x H)	250 x 250 x 600 mm	300 x 300 x 900 mm	380 x 380 x 1050 mm	450 x 450 x 1150 mm
Extinguishing Architecture	Passive Air Choke Baffle	Dual-Chamber Air Snuffer	Cyclonic Oxygen Starvation	Hermetic Gravity Flap Starvation
Surface Treatment	Brushed Satin (Ra < 0.8 µm)	Fine Satin Passivated	Electropolished Marine Finish	Chemically Passivated Bead-Blast
Salt Spray Resistance	500 Hours (ASTM B117)	750 Hours (ASTM B117)	1000 Hours (ASTM B117)	> 2000 Hours (ASTM B117)
Security Locking Hardware	Keyed Cam Cylinder Lock	Dual Security Key Lock	Heavy-Duty Tumbler Lock	Explosion-Proof Sealed Cam Lock

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Base Mounting Configuration	Freestanding with Rubber Pads	Floor-Anchored (4-Bolt Pattern)	Floor-Anchored (4-Bolt Heavy)	Heavy Sub-Floor Anchor Gusset
Debris Inlet Aperture	Dual 35 mm Slot Grates	Quad 40 mm Perforated Inlets	Circumferential 360° Slot	Protected Spark-Arrestor Inlets
Empty Dry System Mass	6.8 kg	11.2 kg	18.5 kg	28.4 kg