

# Non-Sparking Oil Basin with Safety Handle

This non-sparking oil basin is designed for use in environments with flammable or explosive atmospheres. It is widely used in industries such as petrochemical, mining, and gas.



## Product Overview

### Professional Non-Sparking Oil Basin

Designed for high-risk environments, this non-sparking oil basin is engineered to prevent ignition in atmospheres containing flammable gases, vapors, or dust. Constructed from specialized copper-beryllium and brass-aluminum alloys, it offers essential safety features including spark resistance, non-magnetic properties, and rust resistance. This basin is an ideal solution for petrochemical, mining, and aerospace industries where safety is paramount.

## Material Composition

### Material Specifications

Component	Content
Beryllium (Be)	1.8% - 2%
Nickel (Ni)	0.1% - 0.6%
Other Elements	< 0.6%
Copper (Cu)	Balance

## Performance Metrics

Hardness	324 HB
Breaking Strength	112.5 kgf/mm <sup>2</sup>

## Applications & Safety

### Key Safety Features

Spark Proof • Non-magnetic • Rust Resistant

Suitable Industries	Petrochemical, Mining, Aerospace, Pharmaceutical, Shipyards, Laboratories, Clean Rooms
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## Manufacturing

Customization Options	Customized sizing available upon request
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