

# MiniTrace™

## Chemical Dispensing System

Technical  
Information



### Description

The MiniTrace system is a trace chemical dispensing system purpose built for underground operations but can also be used in surface mines.

It is designed to handle the unloading of the contents of an IBC, short term storage of trace chemicals and the dispensing of the chemicals to Dyno Nobel Mobile Processing Units (MPU) and DynoMiner Profile Units (DMP).

The system consists of 2 air diaphragm pumps (Wilden), loading and unloading hoses and fittings (with docking stations) and an inner (stainless steel) tank that is within the outer tank.

The approved trace chemicals suited to the system are as follows:

- NL3
- N17

### Properties

#### Peripherals

The MiniTrace system is specifically designed to handle Dyno Nobel Trace Chemicals in rough mining conditions.

The pneumatic circuit is equipped with 316 grade stainless steel fittings and clamps throughout.

The trace chemical line is also equipped with 316 grade stainless steel fitting, clamps and camlocks throughout. The hoses are high quality EPDM.

The unit has been painted in accordance with DNAP's standards that have been developed over many years.

#### Safety & PPE

The MiniTrace system comes with the standard purge line which enables safe transfer of trace chemicals in cases where the SOP has not been followed.

The PPE cabinet mounted on the frame is larger in size compared to previous units, allowing operators to have a better visual of the equipment stored.

DNAP standard PPE has been provided with each unit – chemical resistant gloves, face shield, respirator, apron, eyewash bottles, chemical spill kit and a 4.5kg dry chemical fire extinguisher.

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### Controls & Placarding

The operation of the MiniTrace system is as simple as turning the Wilden pump pneumatic line ball valve to the ON position. The valves are positioned on the appropriate sides, with highly visible, reflective signage throughout.



### System Advantages

The benefits of the MiniTrace system are -

- Easy to transport and relocate due to inbuilt forklift tyre holes and 'sled' like design
- Can store 20% more than the volume of one (1) IBC (allowing operations a good buffer)
- Wilden pumps on both loading and unloading sides saves operating time
- Includes the standard purge line for improved safety
- Colour coded, well signed unit eliminates ambiguity
- Factory commissioned unit needs near zero site commissioning, saving time and money



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