REFERENCES FOR COMPRRESSED-AIR APPLICATIONS TUNNELS AND BUILDING SITES
GMI Groupement Marti Implenia

Rescue container designed for transportation into the tunnel

Requirements:

- To serve as a safe haven in case of emergency
- Accommodates 10 Personen
- Protection against external and internal overpressure

1. Explosion-proof walls
2. External telephone line
3. Internal telephone line

1. Permanent light
2. Flashing light
3. Compressed-air supply outside - green
4. Compressed-air supply intern - yellow
5. Emergency lighting
6. Safety valve
Arge Grouft

DSC 90-13, 20’ smooth walled container suitable for transportation into tunnel

Requirements:

- Purging air for drill rig
- Capable of withstanding blasting pressure wave unharmed
- Volume flow rate: 14 m³/min
- Operating pressure: 13 bar
- Power output: 90 kW
- Compressor system with level compensation
- Mounted on skids in a smooth-walled container so as to be suitable for relocation using a wheel loader
- Smooth-walled container with framework absolutely explosion-proof
- Position main cable
- Connect flexible tube
- Ready to go!
Implenia Bau GmbH, DSC 132 RS DB

Requirements:
- Compressed-air supply during tunnel construction, Ortsbrust
- Operation 24 hrs, 7 days/week

Technical features:
- Compressed-air station in a 20’ container
- 1 x L132 RS speed-controlled screw-type compressor
- 10,000 l compressed-air storage tank

Special features:
- After cooled compressed air
- Dried compressed air

Areas of use:
- General industry
- Wide range of building sites
Brochier Vortriebstechnik GmbH
DSC 132 KT DB

Requirements:
- Generation of breathing air
- Compressed-air volume controlled by means of a Samson control unit
- Work performed under pressurized conditions

Technical features:
- Speed-controlled screw compressor type L132 RS
- 3-fold filter system
- Samson control unit
- Emergency air compressor

Special features:
- Redundant filter and control systems
- Emergency air supply
- Refrigerant dryer cooled by the intake air of the compressor

Areas of use:
- Tunnel construction
- Underground work
Pressluft Frantz GmbH
Service Dumpers

Requirements:
- Mobil “Workshop”
- Diesel-operated

Technical features:
- Modular designed with platform
- 1 x Oil-, grease and compressed-air platform
- Mounted on top of a dumper

Added advantages:
- Multiple areas of use
- Platforms individually furnishable

Areas of use:
- Mobile building sites
- Large-scale building sites
- Tunnel construction
Miscellaneous projects

10' Container for outdoor installation
Compressed-air supply for building sites

- Volume flow rate: 2.0-10.0 m³/min
- Operating pressure: 7.5-10.0 bar
- Power output: 15-55 kW

Fully fitted unit equipped with:

- Screw compressor with frequency inverter
- Pressure vessel, capacity 1.000 l
- Filter line, dryer and separator
- Heating

- Mount main cable
- Connect compressed-air pipe
- Ready to go!
Miscellaneous projects

20’ Container for outdoor installation
Compressed-air supply for building sites

- Volume flow rate: 16-20 m³/min
- Operating pressure: 7,5-10,0 bar
- Power output: 110-132 kW

Fully fitted unit equipped with:
- Screw compressor with frequency inverter
- Aftercooler
- 2 Pressure vessels with a capacity of 1,500 l each
- Filter line and dryer
- Condensate extraction
- Heating

- Mount main cable
- Connect compressed-air pipe
- Ready to go!