

Intended Use

The DSI Multi Pump is a pneumatic pump designed to inject, by means of compressed air, resins and void fill foams. These are used for strengthening weak rock and coal, and filling voids in mines and other excavations. Resin and foam information available upon request.

Accessories available:

- Injection gun
- Lances
- Hoses
- Seals
- Flushing oil
- Connection fittings
- Available on request

Conditions of Use and Storage

- Temperature:
permissible ambient temperature during operation: +5 to +40 [°C]
- Relative humidity:
air humidity: 30 [%] to 95 [%]

Transport Conditions

The DSI pump set can be transported using light means of transport or moved on the ground for short distances. When handling or transporting the set, the fastening belts must be secured to the outer frame and must not be attached to the compression cylinders or the pump.



Pump Set Parameters

Technical Data				
Mixing Ratio (Resin/Catalyst)	1/1	2/1	3/2	4/1
Performance	9.0 [l/min] 40 [rpm]	7.5 [l/min] 40 [rpm]	8.0 [l/min] 40 [rpm]	9.5 [l/min] 40 [rpm]
Pressure ratio	34/1	34/1	34/1	27/1
Pumping distance depending on hose diameter: 12 [mm] for resin and 10 [mm] for catalyst 20 [mm] for resin and 12 [mm] for catalyst	100 [m] 600 [m]	100 [m] 600 [m]	100 [m] 600 [m]	100 [m] 600 [m]
Feed pressure	2 - 7 [bar]	2 - 7 [bar]	2 - 7 [bar]	2 - 7 [bar]
Consumption (air)	2 [m³/min]	2 [m³/min]	2 [m³/min]	2 [m³/min]
Dimensions	1.22 x 0.48 x 0.48 [m]	1.22 x 0.48 x 0.48 [m]	1.22 x 0.48 x 0.48 [m]	1.22 x 0.48 x 0.48 [m]
Weight	105 [kg]	110 [kg]	110 [kg]	105 [kg]
Application temperature	15 - 33 [°C]	15 - 33 [°C]	15 - 33 [°C]	15 - 33 [°C]