

Ergoblast® 3000

Ergonomic high pressure blasting guns

The Ergoblast® 3000 developed with the co operation of industrial end users and in consultation with safety standards organisations offers an exceptional combination of user friendly ergonomic design and advanced high pressure technology.

Awarded with the “Safety at work prize“ by the German association of commercial and industrial workers.



Futuristic ergonomics

- The gun can be continuously operated with a minimum of effort and without physical strain resulting in greater productivity.
- The operating (switching) grip can be changed within a set time without interrupting blasting.
- Every operator short or tall, slim or bulky can find the optimal, comfortable working grip and support opposition.
- The operator does not have to 'fight' against the reaction force.
- Total flexibility makes muscle cramp a problem of the past.



A standard of safety way above the recognised norm

- Employing ergonomic (bio technical) design always improves safety.
- The long all round switching surface is easily reached by all builds of operator. There is no trigger so “dead hand” and the temptation to jam or tape the gun ‘on’ is eliminated.
- The 4 pole cable system ensures safe signal transmittal.
- There are no threaded ‘T’ connections.
- There are no radial leakage bores.
- It is almost impossible for the operator to bypass the safety procedures.

- The switching surface remains unaffected by dirt or other outside influences.
- Enables the operator to maximise his body weight in all of the various working positions
- No trigger
- No flow restrictions
- Heavy duty dissipater sleeve around the UHP hose at the gun connection

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Advanced high pressure technology

- The straight through (from inlet to nozzle) lance has no sharp bends or restrictions. This design reduces pressure loss, eliminates turbulence and ensures a smooth flow which results in a more efficient water jet emitting the nozzle.
- The control signal between the Ergoblast and the pump unit bypass valve is transmitted via a 4 pole cable.
- The gun can be used with all pump types.
- Operation status indicators
- The ergonomic design puts much less physical strain on the operator which means less fatigue so there is increased utilisation
- Versatile modular construction enables a number of applications.



High reliability

- Robust, fully encapsulated electronics
- No moving parts
- No seals or housing orifices
- Manufactured from wear resistant, long life materials



- Robust hand worn encapsulated transponder provides contactless switching eliminating mechanical wear.



- The transponder actuated switching surface extends over the whole length and circumference of the front hand grip.

Technical data

- max. operating pressure: 3000 bar
- max. flow rate at Δp 5 bar: 45 l/min
- Length: 1000 mm, 1200 mm
- Weight: 4,4 kg
- Hose connection: M 26 x 1,5
- 4-pole system

Versatile accessories



- Shoulder stock
- Swivelling hose connector
- Lance extensions
- Spray back protection
- Dissipater sleeve for UHP water connection



Nozzle inserts



Pneumatic motor and nozzle heads



Rotorjets



Abrasive jet cutting nozzles



Abrasive injection nozzles



Thermacon