



TURBOSOL[®]

PUMPING TECHNOLOGY FOR THE BUILDING INDUSTRY

TURBOSOL
*over 60 years
of experience
and reliability*

UNI 30

PISTON PUMP



UNI 30: great performance, sturdy construction and long service life. UNI 30 is a pump and sprayer for common, structural and special mortars.

www.turbosol.it

UNI 30 VERSIONS

TECHNICAL DATA	ES	DS
Motor / Engine	electric motor 5,5 kW - 400 V/50 Hz	2-cylinder diesel engine 10,5 Kw - 14,3 HP
Theoretical output*	30 ÷ 50 l/min	30 ÷ 50 l/min
Max. aggregate size	8 - 10 mm pumping / 6 - 7 mm spraying	8 - 10 mm pumping / 6 - 7 mm spraying
Max. working pressure	45 bar	45 bar
Compressor	270 l/m	270 l/m
Hopper capacity	190 l	190 l
Delivery distance*	up to 300 m	up to 300 m
Delivery height*	up to 100 m	up to 100 m
Filling height	75 cm	75 cm
Delivery manifold	Ø 50 mm	Ø 50 mm
Chassis	articulated drawbar and pneumatic wheels	articulated drawbar and pneumatic wheels
Size (L x W x H)	200 x 148 x 120 cm (150 cm with fixed mixer)	215 x 148 x 120 cm (150 cm with fixed mixer)
Weight	660 kg	790 kg
Paddle type mortar mixer (optional)		
Mixer drive	1,5 kW - 400 V/50 Hz	1,5 kW - 400 V/50 Hz
Mixer capacity	180 l	180 l

* The data indicated are theoretical and depend on the quality and consistency of the materials to be used, wear and tear of the pump and the diameter of the hoses. The performance in distance and height can not be reached simultaneously.



Characteristics

UNI 30 is the most powerful single piston pump with ball valves available in the market. Widely tested in many different working conditions all around the world, it is extremely strong and reliable for any sort of civil and industrial work. Ideal as well for the most difficult sites, it mixes up to 8/10 mm aggregate size. UNI 30 isn't an ordinary pump, it is a Turbosol machine that made history: more than 10.000 units sold all over the world. It's also available with built-in paddle type mortar mixer (MF version).

Applications

- Spraying of traditional site mixes and many kind of pre-blended mortars
- Plastering jobs
- Pumping common or ready-mixed mortars, self-levelling screeds, micro-concrete, slurries and grouts
- Injection, stabilization, grouting
- Spraying on 3D panels
- Structural repair
- Structural strengthening
- Shoring of slopes
- Shotcreting

Indestructible

- Thanks to its high quality components and its service friendly construction, UNI 30 stands out with long service life, competitive price and and long-lasting commercial value.
- Extremely low ware and tare: more than 40.000 m2 with one piston.

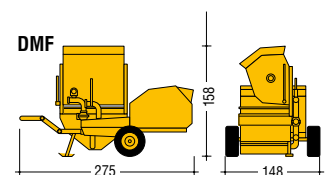
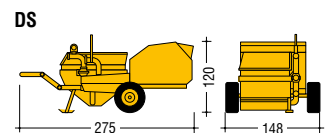
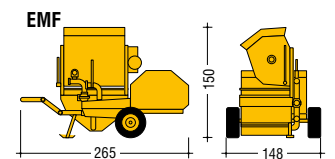
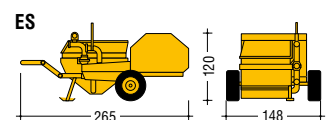
Scope of delivery

- Piston pump with gravity ball valves
- 2-speed gear reduction unit
- Automatic mechanical safety device against overpressure
- Self-bearing frame with pneumatic wheels and articulated drawbar
- Material recycling device
- Built-in air compressor
- Vibrating sieve with 8 mm mesh
- Hopper safety grill
- Start/stop pneumatic remote control
- Delivery manifold with pressure gauge
- 40 m mortar hose (20+10 Ø 50 + 10 Ø 40 mm) with cam lock couplings
- 41 m air hose Ø 13 with quick couplings
- Manual grease pump
- Cleaning tools
- N. 1 metal hose bracket
- N. 2 plastic hose brackets
- Accessory box with spray gun, series of nozzles and ball valves

Optionals

- Pressure gauge for Ø 50 hose
- Water gauge
- Various diameters pumping nozzles and shotcrete guns
- Cement slurry injection device
- Steel ball valve
- 10 mm mesh for sieve
- Various hose extensions
- Paddle type mortar mixer (MF version)
- Spare parts kit

DIMENSIONS (cm)



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Standard equipment and optionals could vary due to specific market and legal requirements. The data in this brochure are purely indicative. Turbosol Produzione S.p.A. could make alterations to the models described in this brochure at any time for technical and commercial reasons.

