

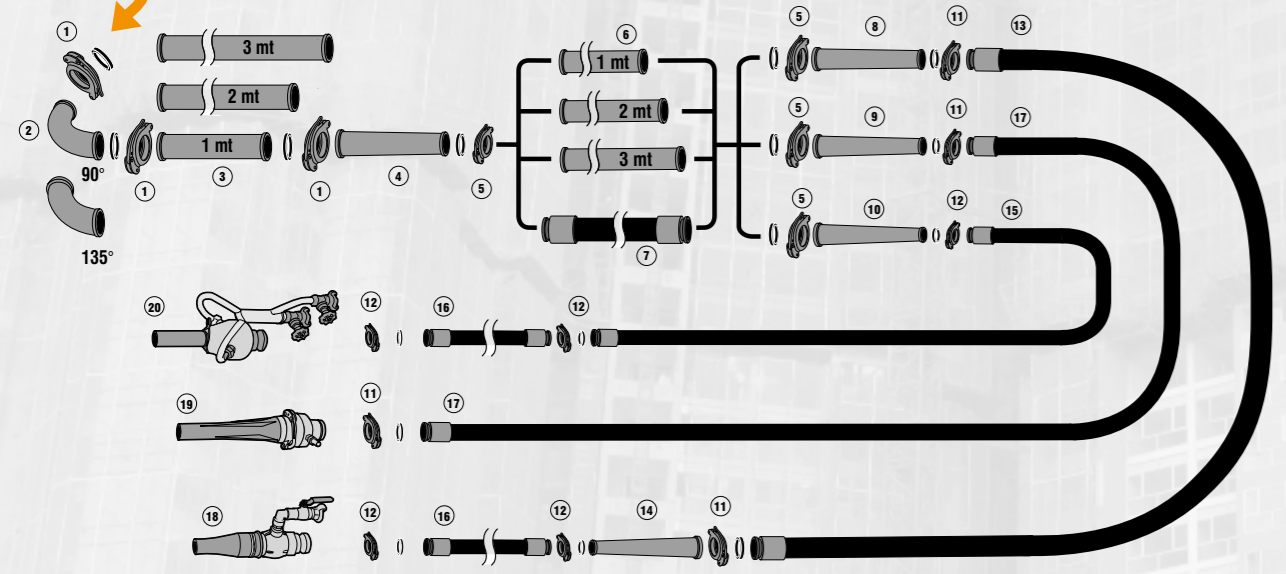
**TURBOSOL**  
over 60 years  
of experience  
and reliability

**TURBOSOL**<sup>®</sup>  
PUMPING TECHNOLOGY FOR THE BUILDING INDUSTRY

**Accessories for shotcrete**



- ① Victaulic coupling and gasket Ø125 mm
- ② Steel bend Ø125 mm at 90° / at 135°
- ③ Steel pipe Ø125 mm - 3 m. / 2 m. / 1 m.
- ④ Reduction cone from Ø125 to Ø100 mm
- ⑤ Victaulic coupling and gasket Ø100 mm
- ⑥ Steel pipe Ø100 mm - 3 m. / 2 m. / 1 m.
- ⑦ Rubber hose Ø100 mm - 3 m.
- ⑧ Reduction cone from Ø100 to Ø75 mm
- ⑨ Reduction cone from Ø100 to Ø65 mm
- ⑩ Reduction cone from Ø100 to Ø50 mm
- ⑪ Victaulic coupling and gasket Ø50 mm
- ⑫ Victaulic coupling and gasket Ø75 mm
- ⑬ Rubber hose Ø75 mm - 10 m.
- ⑭ Reduction cone from Ø75 to 50 mm
- ⑮ Rubber hose Ø50 mm - 10 m.
- ⑯ Rubber hose Ø50 mm to the spraygun - 10 m.
- ⑰ Rubber hose Ø65 mm - 10 m.
- ⑱ Shotcrete gun Ø50 mm
- ⑲ Shotcrete gun Ø65 mm with silicate coupling
- ⑳ Shotcrete gun Ø50 mm with silicate coupling



BM 30	BM 30
<b>TECHNICAL DATA</b>	
Perkins diesel engine	404D22 - 4 cyl. - 37,3 kW - 51 HP - liquid cooled
Progressive variable output pump*2	from 2 to 30 m3/h
Pumping cylinders	Ø 180 mm with a stroke of 700 mm
Delivery collector	Ø 125 mm
Max. pressure	on the material up to 80 bar
Pumpable granulometry	0 ÷ 35 mm
Hopper capacity	300 l
Loading height	140 cm
Size (L x W x H)	363 (488 <sup>^</sup> ) x 149 (160 <sup>^</sup> ) x 161 (170 <sup>^</sup> ) cm
Weight (with draw-bar)	1.900 kg
Weight (with on road towing set-up)	> 2.000 kg

<sup>^</sup>1 Towing position.  
<sup>^</sup>2 These data are not absolute but depend on the quality of the materials to be pumped, their consistency, wear and tear of the pump and the diameter of the hoses being used. The performance in distance and height can not be reached simultaneously.

- BM 30**
- STANDARD EQUIPMENT**
- protection canopy for mechanical parts
  - elastic axle for road towing with brakes and towlights (version /T)
  - 4-cylinders liquid cooled diesel engine
  - pump assembly with "S" valve
  - hopper with agitator
  - reverse gear
  - delivery manifold 5" (125 mm) Victaulic couplings
  - hydraulic circuit with exchange sequence variable output pump
  - hose cleaning glass
  - remote control box with 30 m cable

- PUMPING VERSION**
- electromechanical control panel
  - concrete grill with electric vibrator
  - 7 pieces of steel pipe Ø 125 mm - 3 meters
  - 1 piece of steel pipe Ø 125 mm - 1 meter
  - 1 piece of rubber hose Ø 125 mm - 4 meters
  - 2 pieces of steel bend Ø 125 mm at 90°
  - 2 pieces of steel bend Ø 125 mm at 135°
  - 13 pieces of Victaulic couplings Ø 125
  - 14 pieces of gasket for coupling Ø 125
  - tool box
  - technical and approval literature

- SHOTCRETE VERSION**
- electronic control panel (electromechanical upon request)
  - vibrating sieve with 15 mm mesh
  - shotcrete gun
  - 30 m (10+10+10) of Ø 50x73 mm rubber hose
  - 1 piece of reduction cone from Ø 125 to Ø 100 mm
  - 1 piece of reduction cone from Ø 100 to Ø 50 mm
  - 1 piece of steel bend Ø 125 mm at 90°
  - kit for hoses Ø 50 mm
  - tool box
  - technical and approval literature

- ACCESSORIES UPON REQUEST**
- high pressure cleaner with hose, gun and nozzles
  - 3-function radio remote control
  - anti-theft TATS
  - accessories and hoses Ø 100, Ø 75, Ø 65, Ø 50 mm
  - Admixture dosing pump kit

**Applications BM 30**



**Vibrating grill with 15 mm mesh**

**TURBOSOL**<sup>®</sup>  
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**CE**  
COMPANY WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
= ISO 9001:2008 =

The equipment on the models and the 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.



**POWER VALVE. VARIABLE DISPLACEMENT  
TWO CYLINDER PUMP.**



# BM 30

## PUMP FOR CONCRETE AND SHOTCRETE



### Maximum power, dual purpose

Thanks to the special technological construction BM 30 can be used for transporting concrete and for shotcrete. This is given by the special construction and dimensions of the pump-valve assembly and the configuration of the hydraulic system. The pressure exercised by the pump can be elevated up to a peak of 80 bar, by progressively reducing the output, thus being able to pump at great heights and distances.



### Easy to maintain

Easy access for maintenance through the side doors. The centralised lubrication system guarantees the daily lubrication. Easy hopper and "S" valve cleaning due to the large, tipping hopper. High-pressure water cleaner (optional).



### High productivity levels

With 80 bar of maximum pressure, BM 30 can pump between 2 and 30 cubic meters per hour of concrete. It is equipped with a vibrating system to rapidly convey the inerts. All the pumpable aggregates can be reinforced with flexible or rigid fibres and sprayed with admixes. Admixture dosing pump with rotor and stator for precise and continuous flow (optional).



### Safe to use

BM 30 is equipped with a series of devices for easy and fast use: automatic shutdown of the mixer and pump with the grill opened, safety sensors to protect the engine and hydraulic circuit. Diesel engine with reduced sound and gas emissions in accordance with current standards and emergency button for emergency stop.



### Applications

Pumping concrete, grouts, structural mortars, refractory mortars, mixtures containing heavy metal particles, land reinforcement, micro-piles by casting or pressurized injection of mortars and cementitious slurries and shotcrete. BM 30, as an alternative to common concrete truck pumps, especially in difficult to reach job-sites.



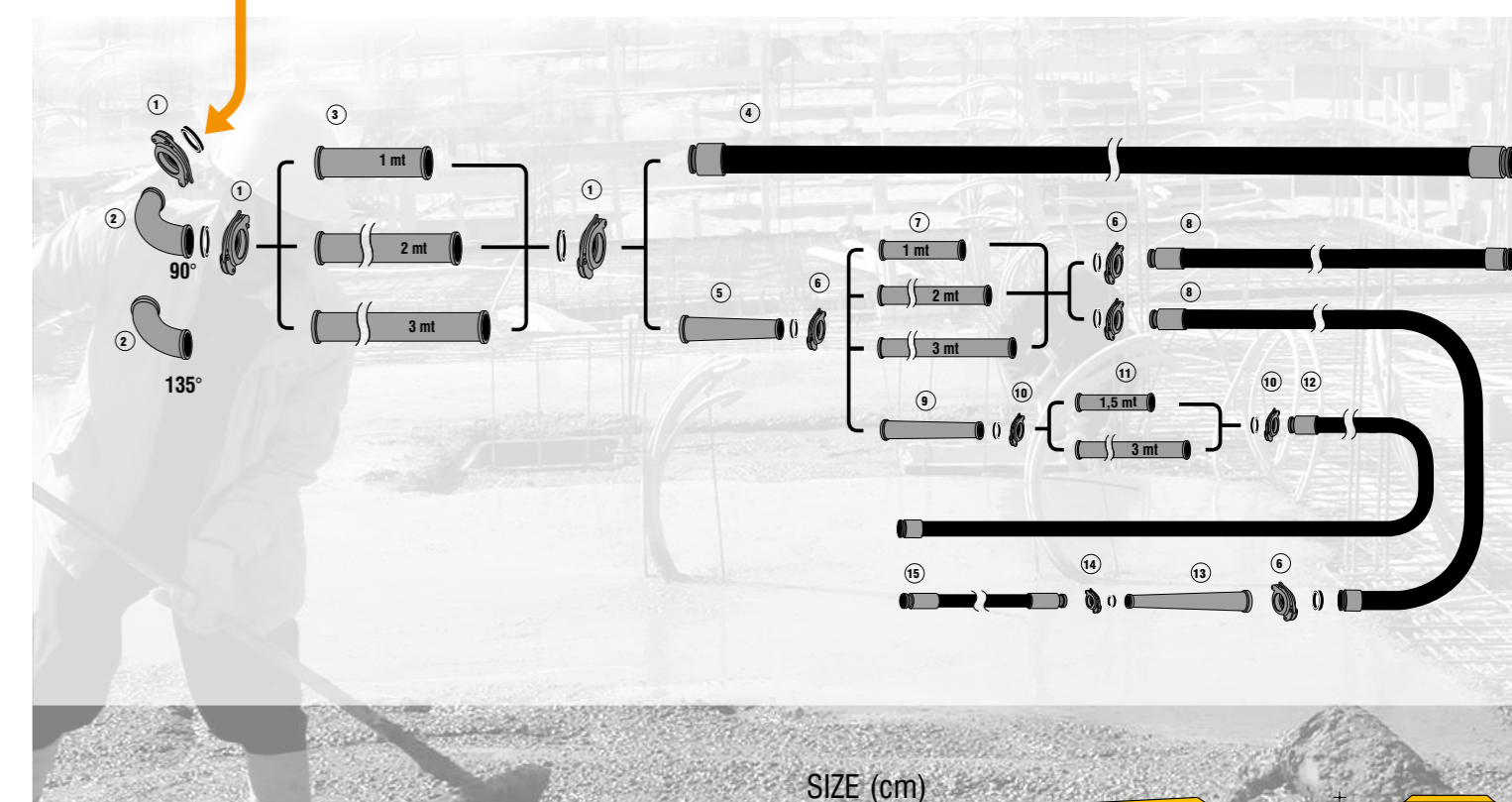
### Why should I buy it

Different diameter steel pipes or rubber hoses can be used, depending on the particle size of the aggregates. Designed for heavy working conditions, highly resistant to operating stress. Easy to wash and to service. Designed for simple and safe operation. Built to comply with all national and international safety standards.



### Accessories for pumping

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- ④ Rubber hose Ø125 mm - 4 m.
- ⑤ Reduction cone from Ø125 to Ø100 mm
- ⑥ Victaulic coupling and gasket Ø100 mm
- ⑦ Steel pipe Ø100 mm - 3 m. / 2 m. / 1 m.
- ⑧ Rubber hose Ø100 mm - 3 m.
- ⑨ Reduction cone from Ø100 to Ø75 mm
- ⑩ Victaulic coupling and gasket Ø75 mm
- ⑪ Steel pipe Ø75 mm - 3 m. / 1.5 m.
- ⑫ Rubber hose Ø75 mm - 10 m.
- ⑬ Reduction cone from Ø100 to Ø50 mm
- ⑭ Victaulic coupling and gasket Ø50 mm
- ⑮ Rubber hose Ø50 mm - 10 m.



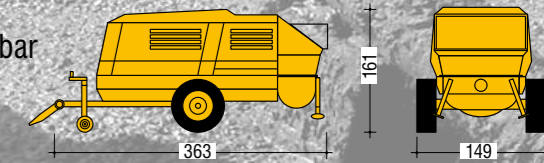
On-road towing



Manual draw bar

### SIZE (cm)

Manual draw bar



On-road towing

