



Putzmeister



Rotor line pump BQF 06 Roline

For profitable business in niche markets

Roline – for economic concreting on small construction sites

Growing within its niche – the Roline pump concept

The Roline machine concept makes those applications economic again which have been unprofitable so far. With this small, highly manoeuvrable machine, a wide variety of pumping tasks can be undertaken economically, fast and sometimes even more simply than with a large truck-mounted concrete pump. Add to this the fact that the machine costs a lot less, both in terms of the initial investment and the running costs.

Experiences of customers showed their advantages when pumping concrete, in swimming pools, cellars, terraces behind houses and in inaccessible narrow alleys. It is not the intention to compete with large-scale boom pumps; on the contrary, activities are limited to concreting work where pumping is easily carried out with a rotor or delivery lines and hoses.

These hoses with up to 3 m length can be easily laid without any problem and can still be moved by hand when concreting reinforcements, even when filled with concrete.

The output of the rotor pump is in theory limited to a maximum of 58 m³/h. But on smaller building sites, slower, continuous pumping is often more appropriate and more efficient than going full speed ahead and then having to hold back.

Working with Roline is therefore economical for both sides – for the customers and for the operator!

Well equipped for special tasks with the Roline:

- Renovations
- Placing of small amounts of concrete
- Difficult to reach construction sites
- Special concretes



An example: A terrace behind a private house is being installed by the owners themselves. They ordered 7 m³ concrete of 12 mm grain size.



10.00 am Arrival on the site

No supports are required with the Roline. Work can begin as soon as the reducer pipe is connected.



Easy loading and unloading of the 3 m delivery hoses and couplings



The delivery line is quickly laid and routed. A total of 45 m of delivery hoses and 45 m of delivery line are carried with the pump.



10.30 am Pumping started

Filling the cement slurry to start pumping



The DN 75 delivery hoses are easy to handle



Breaks in pumping are used to dismantle the hoses



After cleaning, the hoses are immediately stowed away



11.15 am Concrete placing complete!

When pumping is finished, the system is cleaned by reverse pumping. With the rotor pump, it is possible in a forward direction into the placement site.



11.45 am All cleaned and stowed away

Finally, the hopper and pipes are cleaned. Dismantling and cleaning are completed after only 30 minutes.

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The Roline concrete pump is ideal for the small builder and domestic applications.

- **Virtually eliminates residual concrete in the system:**
 - The customers get the concrete they pay for
 - Quick and easy to clean
- **Quiet and smooth pumping**
- **Low hopper for mini-mixer deliveries**
- **Lightweight delivery line**
 - Safe to use at only 25 bar pump pressure
 - Light for easier handling and quicker set-up
- **Delivery rate infinitely variable, forwards and reverse**
- **Delivers even the most difficult materials**
- **Low wear: the rotor hose is the only wear part of the pump and can be replaced very quickly**
- **Ease of maintenance built in**
- **Support and service from Putzmeister**

Technical data

Output	58 m ³ /h
Delivery pressure	25 bar
Rotor hose Ø	125 mm
Delivery line connection Ø	100 mm
Rotor speed	29 rpm
Hopper capacity	400 l



The rotor hose is the only wear part of the pump, and can be replaced very quickly. To protect the hose, it is laid on a fully vulcanised rubber bed.



Almost no residual concrete – nearly 100 % of the concrete in the hopper can be delivered to the construction site. Expensive concrete residue disposal is avoided.



Delivers a wide range of material including more difficult materials such as: steel fibre concrete, free flowing screed, foam concrete, self compacting concrete, fluid concrete, lightweight concrete up to a particle distribution of 32 mm.

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