

Cleaning blocked concrete delivery pipes



Dynajet high-pressure cleaners loosen and remove concrete blockages in Putzmeister concrete pumps.

Concrete pumps made by Putzmeister in Aichtal are renowned worldwide for application under even the toughest site conditions.

Considering not only the enormous quantities of material conveyed, pump pressures and net reaches but also the variety of concretes mixes, blockages in delivery lines can occur. These blockages can affect just small pipe sections as well as the whole pipe length and the pump cylinders. In any case, rapid and professional action must be taken to avoid serious damage.

Very often it is no longer possible to pump in reverse or to allow the delivery line to run empty as the concrete in the individual pipe sections will have already set within just a few hours.

Up to now, only one course of action was open. The affected pipes had to be disassembled, discarded and replaced with completely new ones. Some parts, such as the cylinders could be drilled open by mechanical means whereby, in addition to this time-consuming activity, there was always the danger that the chrome lining on the inner wall would be irreparably damaged.



It doesn't often happen – but it can. The concrete pump is blocked. And rapid, efficient handling is the order of the day. Cleaning the blocked pipe using high-pressure is both an effective and an economically interesting solution.

There is now a simpler and more cost-efficient solution to the problem.

The blockages can be removed by means of the Dynajet series of high-pressure cleaners.

In our own experimental trials, we used the electrically-driven, compact trolley Dynajet 350^{me}.

This type is excellently suited to the task. It is light-weight and small and can be transported either together with the concrete pump or by the serviceman in an estate car.

Using 350 bar cleaning pressure and special pipe-cleaning nozzles, even



pipes which have been blocked with set concrete for up to 24 hours can be thoroughly cleaned.

If the pump cylinders have been affected, they can be cleaned after up to ten hours without having to be

A look inside the blocked pipe section illustrates clearly the difficulties.



Astonishing that such excellent results were achieved with such a small electric high-pressure cleaner – the Dynajet 350^{me}.

disassembled. Savings in both time and money are obvious.

During the trials, individual pipe sections were cleaned in each case from both ends using a hand-held high-pressure gun fitted with an extension and a so-called rotor-type jet. The extension piece was necessary in order to protect the operator from spray water and any pieces of residue concrete flying around.

Afterwards, the individual pipe sections were flushed through once more in order to remove even the last residues.

The results were more than satisfactory as they clearly showed that high pressure is a very effective method of cleaning concrete delivery lines.

If you consider that one single blockage not seldom causes damage of €10,000,- to € 20,000,- the capital expenditure for a Dynajet high-pressure cleaner including all the accessories easily pays off in just one single case. The choice is obvious.



Tackling the concrete with an extended lance and a rotating nozzle.

The results need no further comments.



Data at a glance:

High-pressure cleaner alternative	Dynajet 350 ^{me} (electric motor) Dynajet 350 ^{mg} (petrol engine)
Task	Cleaning the interior of blocked concrete pipes
Water pressure	350 bar (approx. 5.250 psi)
Wasser throughput	21 l/min
Accessories	pipe cleaning nozzle, rotating nozzles, extensions

For further information please contact us directly, or your nearest Putzmeister branch. You can also

reach us in the Internet under www.dynajet.de