



Water as a tool
for a clean environment

Type Skip-Jack

Sewer Cleaning



The Problem

Sewers with very big diameters have to be cleaned normally at the invert only. Here is the point where the dirt starts to buildup in the sewer and here you will find the most of the

sludge. Until today, cylindrical nozzle carrierheads, performing symmetrical jet patterns, were used. These nozzle carrierheads put in operation also clean surfaces or the sewer where it was not necessary and therefore wasted a lot of energy and

money. Flat nozzle carriers, also called brick nozzles which were designed very heavy, should guide the jets directly towards, the sewer invert. But this was achieved just for a very short time because of hose twisting and sludge piling.

Problem Solution

The new cylindrical WOMA self aligning nozzle, type Skip-Jack, is constantly brought back into the original position. This and special angles of the jets, results into a maximum of cleaning efficiency and sludge and dirt transportation in the sewer invert. A joint built in the high pressure hose will guarantee that the nozzle will align itself into the most efficient position at any operating pressure.



The Advantages

We have to decide between nozzles, guiding the high pressure water not just to the bottom of the sewer but also to the top, and those sewer cleaning nozzles, guiding the high pressure water jets to the bottom only. In comparison, those nozzles guiding the jets just to the bottom need much less energy and they also have the advantage to travel through the sewer without being interfered by tensile forces of the hose and unevenness of the sewer bottom and dirt buildup in the sewer. The new WOMA nozzle, type Skip-Jack, gives you the following advantages. Using the same pump HP installation you will get a much faster and better cleaning of the sewer inverts or you will get the same efficiency and an immense decrease of your costs by using less pump power.

Engineering

Sewer cleaning nozzle type Skip-Jack large

- ▶ For sewer sizes from 400 mm Ø upwards
- ▶ Equipped with 7 flat jet nozzles form 5
- ▶ P max. = 200 bar
- ▶ Part no. 341.0068.6
- ▶ Complete with swivel joint for optimal cleaning position
- ▶ Length 605 mm
- ▶ Diameter 155 mm
- ▶ Weight 29 kg

Sewer cleaning nozzle type Skip-Jack small

- ▶ For sewer sizes until 400 mm Ø
- ▶ Equipped with 5 flat jet nozzles form 5
- ▶ P max. = 200 bar
- ▶ Part no. 341.0068.5
- ▶ Complete with swivel joint for optimal cleaning position
- ▶ Length 500 mm
- ▶ Diameter 140 mm
- ▶ Weight 16.5 kg

WOMA is specialized in the high pressure water jet technique.

For highest performance and lowest costs, rating of pressures and flows, the high pressure hose and the high pressure water tool have to be tuned to work together as a complete system.

Please contact WOMA and use our experiences.



WOMA Apparatebau GmbH

Werthäuser Str. 77-79 · D-47226 Duisburg
P.O. Box 14 18 20 · D-47208 Duisburg
Phone +49 2065 304-0 · Fax +49 2065 304-200
Internet: <http://www.woma.de>
E-mail: info@woma.de

Delivery Programme

High-pressure plunger pumps
High-pressure water jet systems
High-pressure water tools
and accessories

Fields of Application

Agriculture
Automotive and aviation industry
Beverage industry
Cement industry
Chemical industry
Construction and concrete industry
Engineering industry
Food industry
Glass, porcelain, ceramic industry
Iron, steel and metal industry
Mining
Municipal services
Offshore industry
Power industry
Public transport
Pulp and paper industry
Ship building
Wood working industry