

Aquapower 700 -

rotor nozzle with
controllable speed



Rotor nozzle - utilizing **automatic rotation speed limitation** - is perfect for all around pipe cleaning and primarily intended for grease removal. It will also remove scale, crusts and deposits of all kinds. Aqua Power 700 can also be operated with forward jet.

- **ideal for vehicles with water recycling system**
- nozzle body made of highly wear-resistant, stainless material
- individually adjustable to pipe diameter
- maintenance free, replaceable nozzle inserts
- rotation speed adjustable according to customer

**for vehicles with
water recycling system**

Aquapower 700 – 1/2" Part N° 0010 0270

incl. ceramic inserts

Accessories – optional

Guide skid DN 100	Part N° 0020 0111
Guide skid DN 125	Part N° 0020 0113
Guide skid DN 150	Part N° 0020 0112
HP swivel joint 1/2"	Part N° 0080 0010

Can also be used without swivel joint!

Aquapower 700 – 3/4" Part N° 0010 0274

incl. ceramic inserts

Accessories – optional

Guide skid DN 100	Art.-Nr. 0020 0111
Guide skid DN 125	Art.-Nr. 0020 0113
Guide skid DN 150	Art.-Nr. 0020 0112
HP swivel joint 3/4"	Art.-Nr. 0080 0011

Can also be used without swivel joint!

Aquapower 700 – 1" Part N° 0010 0276

incl. skids and ceramic inserts

Accessories

extension kit for pipe diameter from 400 mm	Part N° 0010 0277
HP swivel 1"	Part N° 0080 0012
HP swivel 1 1/4"	Part N° 0080 0013
pull-back / anti-hook device	Part N° 0010 0290

HP swivel joint stringently required for 1 1/4" hose!

**perfect for
manhole cleaning!**



Available sizes for hose connection	1/2"	3/4"	1" – 1 1/4"
Part N°	0010 0270	0010 0274	0010 0276
pipe diameter (mm)	from 50	from 75	from 150

product video on
YouTube

- also suitable for recycled water
- up to manhole diameter 2000 mm with a water flow of at least 300 lpm
- easy cleaning of very deep manholes without entering

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Standardized Nozzles



Standardized sewer cleaning nozzles for different applications.

Ball Nozzle

- with or without forward jet
- small, maneuverable and very agile
- suitable for all plumbing applications
- made of stainless steel



Available sizes for hose connection	1/8"	1/4"	3/8"	1/2"
Part N° w/o forward jet	0010 0110	0010 0114	0010 0112	0010 0116
with forward jet	0010 0111	0010 0115	0010 0113	0010 0117
Length / Diameter (mm)	15 / 15	24 / 20	24 / 24	30 / 30
Weight (kg)	0.02	0.05	0.08	0.1
Pipe diameter (mm)	20 - 100	25 - 125	25 - 125	40 - 150

Standard Nozzle

- with or without forward jet
- light, maneuverable version
- made of stainless material



Available sizes for hose connection	1/8"	1/4"	3/8"	1/2"	1"
Part N° w/o forward jet	0010 0081	0010 0085	0010 0083	0010 0087	0010 0091
with forward jet	0010 0082	0010 0086	0010 0084	0010 0088	0010 0092
Length / Diameter (mm)	15 / 15	24 / 20	24 / 24	50 / 30	80 / 50
Weight (kg)	0.02	0.03	0.08	0.2	0.6
Pipe diameter (mm)	20 - 100	25 - 100	25 - 100	40 - 150	75 - 250

Sewer Flush Nozzle

- made of wear-resistant, hardened material
- solid and reliable all-round nozzle
- with replaceable propulsion inserts
- 1/4" and 3/8" version available with forward jet



Available sizes for hose connection	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Part N° w/o forward jet	0010 0100	0010 0098	0010 0101	0010 0102	0010 0103	0010 0104
with forward jet	0010 0099	0010 0097	-	-	-	-
Length / Diameter (mm)	30 / 28	30 / 28	52 / 38	98 / 64	148 / 88	178 / 98
Weight (kg)	0.06	0.06	0.25	1.5	4.6	6.2
Pipe diameter (mm)	30 - 100	30 - 100	50 - 150	75 - 400	100 - 500	125 - 600

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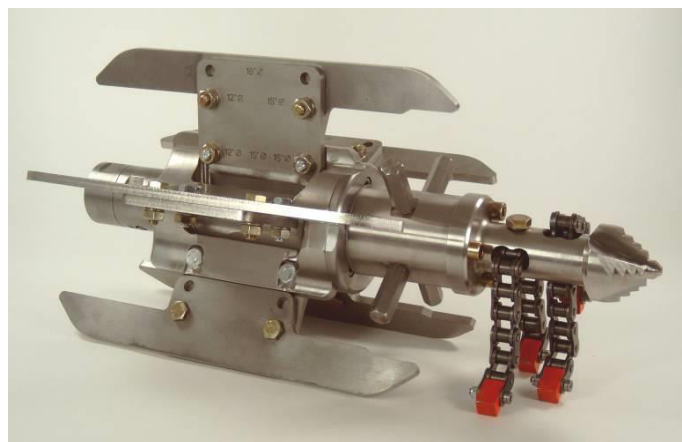
Cutter SUPER NOVA 4000



An **extra robust cutter** of the newest generation with reinforced chains to efficiently handle **deposits and incrustations of all kinds in pipes and sewers, such as lime, concrete, extensive root growth, etc.** The optimum cutter for pumps of medium to high performance, also suitable for vehicles with **water recycling system!**

Advantages:

- application also in difficult pipes (offsets, pipe rips, protruding taps, etc.)
- replaceable nozzle inserts
- solid and reliable construction
- maintenance-free bearings with 2-year warranty*
- efficient cleaning by self-sharpening reinforced chains



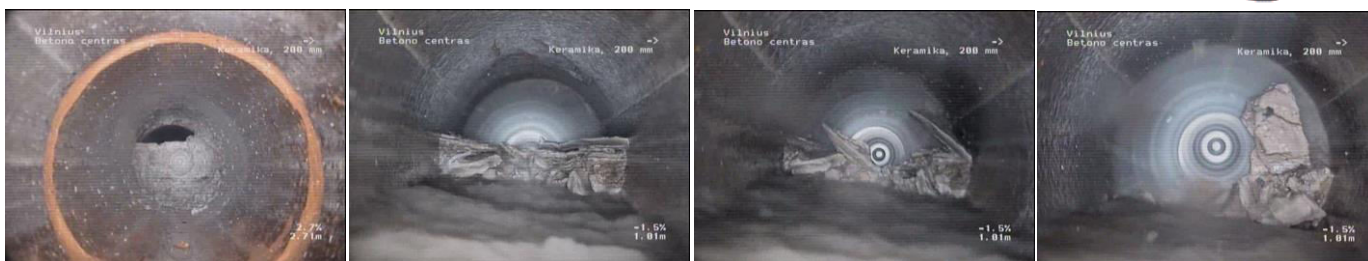
SUPER NOVA 4000

Technical Specifications:

- Material of nozzle body: special stainless steel
- 4 self-sharpening cutting tools

NEW GENERATION
- extra robust -
maintenance-free bearings
*with 2-year warranty**

product video on
YouTube



...concrete deposits in the pipe

Part N°	Model	Hose connection	Flow rate (liter/min)	Pressure bar	Pipe diameter basic equipment (mm)	Pipe diameter add. equipment (mm)	Weight (kg/piece)
0020 0400	SuperNova4000	1 ¼" or 1"	from 180	from 100	150 – 400	600 / 800 / 1200	30
0020 0401	SuperNova4000 Recycling	1 ¼" or 1"	from 180	from 100	150 – 400	600 / 800 / 1200	30

Chain cutters must be operated with HP swivel joint!

Additional equipment:

- HP swivel joint 1 ¼" Part N° 0080 0013
- HP swivel joint 1 ¼" - 1" Part N° 0080 1141
- 5 m replacement chain Part N° 0020 0422
- chain breaker Part N° 0020 0409
- pull-back device Part N° 0021 0240
- hard metal tips Part N° 0021 0111
- expansion kit for pipe diameters up to 600 / 800 / 1200 mm
- spray bars for all-round pipe cleaning up to pipe diameter 1200 mm

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Cutters Super PLUS 150/200



The Cutters SUPER PLUS 150/200 are efficient tools to handle the most **hard obstructions, such as roots, lime, scaling, cement wash, tuberculation, and other types of deposits and blockages** using self-sharpening chains. Chains can be adjusted for different pipe diameters. The optimum cutter for pumps of medium to high performance.

Advantages:

- application also in difficult pipes (offsets, pipe rips, protruding taps, etc.)
- replaceable penetrator and nozzle inserts
- solid and reliable construction
- maintenance-free bearings with 2-year warranty*
- efficient cleaning by self-sharpening chains

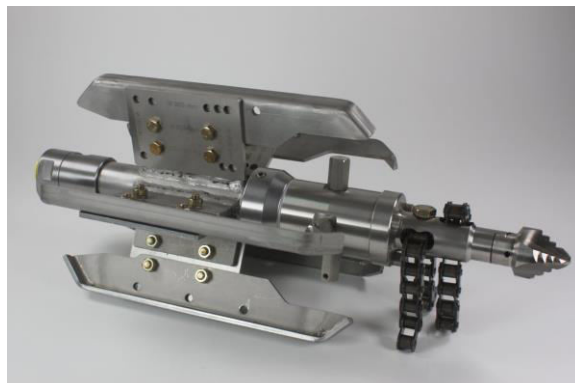
product video on



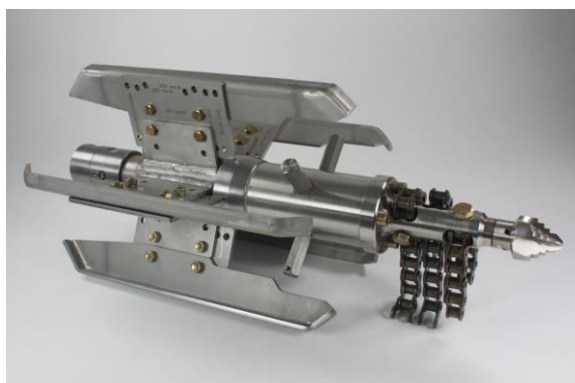
Technical Specifications:

- material of nozzle body: special stainless steel
- 4 (SFP150) or 6 (SFP200) self-sharpening cutting tools
- both cutters can be used in egg-shaped pipes

*maintenance-free bearings
with 2-year warranty*
- also for rent -*



Super Plus 150



Super Plus 200

root penetration in pipe →



Part N°	Model	Hose connection	Flow Rate (liter/min)	Pressure from	Pipe diameter (mm) basic equipment	Pipe diameter (mm) additional equipment	Weight (kg/piece)
0020 0242	Super Plus 150	1" or ¾"	from 120	100 bar	150 – 400	800	12
0020 0151	Super Plus 200	1 ¼" or 1"	from 200	100 bar	200 – 500	800 / 1200 / 2000 / 3000	15

Additional Equipment: Chain cutters must be operated with an HP swivel joint!

- | | | | |
|---|--|---|---|
| <ul style="list-style-type: none"> • HP swivel joint 1" (SFP150) • HP swivel joint 1 ¼" (SFP200) • cross cutter 32x45 made of special steel • 5m replacement chain • chain breaker • pull-back device | <ul style="list-style-type: none"> Part N° 0080 0012 Part N° 0080 0013 Part N° 0020 0070 Part N° 0021 0022 Part N° 0021 0239 Part N° 0021 0240 | <ul style="list-style-type: none"> • hard metal tips for concrete-like deposits • sets of additional equipment for pipe diameters up to 800 / 1200 / 2000 mm • spray bars for all-round pipe cleaning up to pipe diameter 800 / 1200 / 2000 / 3000 mm • additional equipment for egg-shaped pipes | <ul style="list-style-type: none"> Part N° 0021 0111 |
|---|--|---|---|

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Stainless Steel Nozzles



Egg Nozzle

Light and agile all-round nozzle

- with forward jet
- replaceable nozzle inserts front and rear

Available sizes for hose connection	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Part N°	00100210	00100211	00100212	00100213	00100214	00100215
Length / Diameter (mm)	30 / 22	30 / 22	50 / 37	60 / 40	70 / 55	85 / 65
Weight (kg)	0.2	0.2	0.3	0.4	0.7	1.2
Pipe diameter (mm)	from 30	from 30	from 40	from 70	from 80	from 100



Devastator Egg Nozzle (Poking Nozzle)

Light and agile all-round nozzle

- with forward jet
- replaceable nozzle inserts front and rear

Available sizes for hose connection	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Part N°	00100218	00100219	00100220	00100221	00100222	00100223
Length / Ø (mm)	22 / 22	22 / 22	50 / 34	60 / 45	66 / 54	85 / 65
Weight (kg)	0.2	0.2	0.2	0.4	0.6	1.0
Pipe diameter (mm)	from 30	from 30	from 40	from 50	from 70	from 70



Twister Nozzle

Light and agile all-round nozzle

- with rotating forward jet
- with or without replaceable rear inserts



Available sizes for hose connection	1/2"	1/2"	3/4"
Part N°	0010 1320	0010 0330	0010 0321
with, w/o rear inserts	without	with	without
Length / Ø (mm)	64 / 40	64 / 40	84 / 40
Weight (kg)	0.3	0.3	0.4
Pipe diameter (mm)	from 50	from 50	from 60



Nozzle Display

- Available for all sizes & hose connections
- Nozzles can be set up individually
- according to customer requirements



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Floor Cleaner - 5 up to 14 jets



KEG Floor Cleaners - utilizing patented fluid mechanics - provide considerably higher efficiency than conventional sewer cleaning nozzles. Due to optimum fluid mechanics, the entire flow from the high pressure hose is converted into maximum cleaning power. The side walls of the pipe are cleaned with different jet angles, which makes these Floor Cleaners **ideal for removing sludge, debris, mud, etc.** **Part N° 0010 0120 also suitable for slot drain cleaning.**

Advantages of the patented fluid mechanics:

- reduced water and energy consumption by:
 - zero water turbulence inside nozzle body
 - efficiency rate of about 80 %
- time-saving operation by increased performance
- extra cost reduction by:
 - replaceable nozzle inserts
 - wear-resistant material of nozzle body



with patented fluid mechanics

product video on **YouTube**



Extra weight container to be filled with lead in the event of high pump performance (from 1" hose connection)

Available sizes for hose connection	1/2" or 3/4"	3/4" or 1"	3/4" or 1"	3/4" - 1" - 1 1/4"	1" - 1 1/4" - 1 1/2"	1" - 1 1/4" - 1 1/2"
Part N°	0010 0120	0010 0121	0010 0122	0010 0123	0010 0124	0010 0125
Weight (kg)	8.0	12.0	14.0	18.0	18.0	22.0
Number of inserts	5	6	8	10	12	14
Pipe diameter (mm)	from 100	from 200	from 250	from 300	from 400	from 500

Floor cleaners must be operated with HP swivel joint!

Additional equipment:

- Y-connector with 2 HP hoses (325 mm) Part N° 0010 0126
- Y-connector with 2 HP hoses (500 mm) Part N° 0010 0126a
- 2 supports for part 0100 0120 Part N° 0010 0119
- lead balls Part N° 0010 0127
- jet angle adapters Part N° 0010 0184



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Mini chain cutters for plumbing applications



KEG Chain Cutters are used if conventional cleaning tools fail to remove such hard obstructions as roots, scale, cement wash.

Advantages:

- 90° lateral applications possible (without swivel joint)
- efficient cleaning by self-sharpening chains
- replaceable nozzle inserts
- maintenance-free
- time and energy-saving operation

Technical Specifications:

- Nozzle body made of special steel
- Self-sharpening chains
- Maintenance-free bearing with 2-year warranty
- Suitable for working pressure from 60 bar

2-year warranty on maintenance-free slide bearings - entire equipment also for rent -*



Hummingbird Chain Cutter DN 50

for pipe diameter 50 - 150 mm, with stainless steel drill point
 - light, flexible, agile
 - also available with pulling device
 - with skids for pipe diameters 100, 125 and 150 mm



Mini Chain Cutter DN 75

NEW: with stainless steel drill point, suitable for pipes from 75 - 250 mm



product video on **YouTube**

Part N°	Model	Pipe diameter (mm)	Flow rate (litre/min)	Pressure (bar)	Weight (kg/piece)
0020 0110	Hummingbird DN 50	50-150	from 28	from 60	0.6
0020 0344	Mini DN 75	75-250	from 50	from 60	2.5

Chain cutters must be operated with an HP swivel joint!

Additional equipment:

Mini DN 75

- Guide skid for pipe diameter
 - 100 mm
 - 125 mm
 - 150 mm
 - (min. 70l/m) 200 mm
- for pipe diam. 225/250 mm:
 - guide skid for diam. 200 mm + 4 skids
- HP swivel joint
- 2 m replacement chain
- chain breaker
- hard metal tips for concrete-like deposits

Part N°

- 0020 0065
- 0020 0066
- 0020 0067
- 0020 0068
- 0020 0068
- 0021 0045
- 0080 0011
- 0020 0021
- 0020 0360
- 0020 0350

Hummingbird DN 50

- Guide skid for pipe diameter
 - 100 mm
 - 125 mm
 - 150 mm
- HP swivel joint
- 2 m replacement chain
- chain breaker
- hard metal tips for concrete-like deposits
- also available with pulling device

Part N°

- 0020 0111
- 0020 0066
- 0020 0112
- 0080 0010
- 0020 0021
- 0020 0360
- 0020 0350



* ..accord. to KEG's terms of warranty

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OMG High-Performance Nozzle

The OMG Nozzle is made of highly wear resistant, stainless steel. Utilizing the patented fluid mechanics and two different jet angles, it highly efficient, but still gentle to the pipe.

Its extra long nozzle body makes it easy to overcome holes and cracks in the pipes. Hence the OMG Nozzle is perfect for cleaning pipes and sewers in poor condition (holes, decayed pipe material etc.) and in preparation of pipe relinings / rehabilitations.

Advantages:

- patented fluid mechanics
- replaceable nozzle inserts
- with forward jet
- highly wear resistant, stainless material of nozzle body
- extra long



*with patented
fluid mechanics*

Available sizes for hose connection	1"	1 ¼"	1 ½"
Part N°	0010 0266	0010 0267	0010 0268
Weight (kg)	16.2	16.2	16.2
Length / Diameter (mm)	450 / 108	450 / 108	450 / 108
Number of inserts	13	13	13
Pipe diameter (mm)	from 150 mm	from 150 mm	from 150 mm

Long Nozzle

The Long Nozzle is perfect for cleaning problematic pipes and sewers, especially for corrugated pipes. Thanks to its reduced turbulences inside the nozzle, it works with superior efficiency.

Advantages:

- replaceable nozzle inserts
- with forward jet



Available sizes for hose connection	½"	¾"	1"	1 ¼"
Part N°	0010 0262	0010 0263	0010 0264	0010 0265
Weight (kg)	0.6	6.2	6.2	6.2
Length / Diameter (mm)	100 / 35	290 / 64	290 / 64	290 / 64
Number of inserts	5	7	7	7
Pipe diameter (mm)	from 50 mm	from 100 mm	from 100 mm	from 100 mm

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Special Nozzles for Line Blockages



Quattro Nozzle with forward jet

Special nozzle for clogged pipes.

The front water jets loosen the blockages, the sharp edges provide additional assistance in clearing flow off obstacles

- replaceable nozzle inserts
- nozzle body made of highly wear-resistant and stainless material



Quattro Nozzle with drill point

is excellently suitable for application in the case of **total blockages and compressed material** in lines. The replaceable tip deeply penetrates the blockage, the deposits being immediately washed to the rear. As the nozzle stays centered in the pipe, it is excellently suitable for applications in offsets and bends.

- nozzle inserts and drill point replaceable
- nozzle body made of highly wear-resistant and stainless material
- excellent traction, as there is no forward jet working



Available sizes for hose connection		1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Part N°	with forward jet	0010 0052	0010 0050	0010 0054	0010 0056	0010 0058	0010 0060
	with drill point	0010 0053	0010 0051	0010 0055	0010 0057	0010 0059	-
Weight (kg)		0.1	0.1	0.15	0,4	0.9	2.7
Length / Ø (mm)	w/o drill point	30 / 22	30 / 22	55 / 30	70 / 45	95 / 57	170 / 75
Pipe diameter (mm)		from 50	from 50	from 75	from 75	from 100	from 100

Rambo Nozzle –

Quattro Nozzle with drill point and forward jet

Special nozzle for total line blockages and compressed material.

This multi-edged nozzle combines the advantages of two nozzles in one tool:

Quattro Nozzle with forward jet and Quattro Nozzle with drill point.

The replaceable tip deeply penetrates the blockage and water jets loosen blocking material and wash it away to the rear. The nozzle stays centered inside the pipe and is therefore also able to cope with offsets and to go into bends.

- drill point and nozzle inserts replaceable
- nozzle body made of highly wear-resistant and stainless material

*special nozzles
for total line blockages
and compressed material!*



Available sizes for hose connection		1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Part N°		0010 0067	0010 0067a	0010 0066	0010 0065	0010 0063	0010 0064
Weight (kg)		0.1	0.15	0.15	0.95	2.7	2.7
Length / diameter (mm)		40 / 22	40 / 22	55 / 30	120 / 52	170 / 75	170 / 75
Pipe diameter (mm)		from 50	from 50	from 75	from 75	from 100	from 100

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Royal Nozzle / Torpedo Nozzle



Royal Nozzle

The Royal Nozzle is made of special hardened stainless steel. Utilizing the patented fluid mechanics and two different jet angles it is mainly used for all around cleaning of pipe diameters from 300 to 1200 mm. KEG's Royal Nozzle boasts a maximum of performance so far unrivaled.

product video on
You Tube



Available sizes for hose connection	¾"	1"	1 ¼"	1 ½"
Part N°	00100020	00100021	00100022	00100023
Weight (kg)	7.5	7.5	7.5	7.5
Length / Diameter (mm)	190 / 108	190 / 108	190 / 108	190 / 108
Number of inserts	12	12	12	12
Pipe diameter (mm)	300 - 1000	300 - 1200	300 - 1200	300 - 1200



- Royal Nozzle -

with patented fluid mechanics

Torpedo Nozzle

Torpedo Nozzle utilizing the patented fluid mechanics is mainly used for the removal of sand, silt, mud and debris etc. from the floor of pipes and in applications when good traction capacity is needed. Two different jet angles ensure a very good mud and sand transport especially in pipe diameters from 150 – 400 mm. The Torpedo Nozzle is made of special hardened stainless steel and boasts replaceable nozzle inserts



- optimum mud and sand transport in round pipes (Royal Nozzle – Traction)
- optimum mud and sand transport in egg-shaped pipes

Available sizes for hose connection	¾"	1"	1 ¼"	1 ½"
Part N°	00100030	00100031	00100032	0010 0033
Weight (kg)	5.6	5.6	5.6	5.6
Length / Diameter (mm)	180 / 98	180 / 98	180 / 98	180 / 98
Number of inserts	8	8	8	8
Pipe diameter (mm)	150 - 400	150 - 400	150 - 400	150 - 400



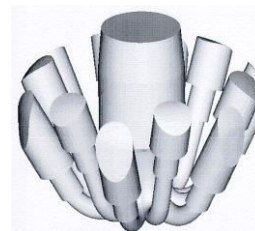
- Torpedo Nozzle -

Advantages of patented fluid mechanics

- Reduced water and energy consumption by
 - zero water turbulence inside nozzle body
 - efficiency rate of about 90 %
- time-saving operation by increased performance
- extra cost reduction by:
 - replaceable nozzle inserts
 - wear resistant material of nozzle body
- less maintenance of pump & vehicle



product video on
You Tube



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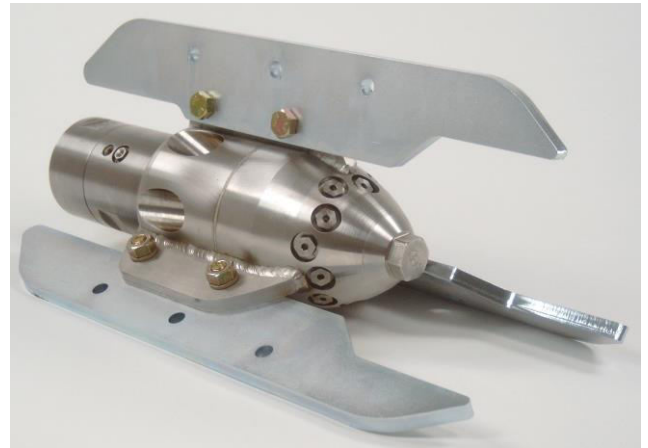
Safety – the novelty by



Do you also have problems with blowing up toilets and extreme air current in the pipe?

The solution: Safety Nozzle

- KEG special nozzle with optimized jet angles utilizing patented fluid mechanics
- prevents blowing up toilets
- reduces air current in pipe by approx. 80%
- based on the findings of Oldenburg University of Applied Sciences and TU Dresden
- suitable for pipe diameters from 150 mm
- comes with a guide skid



Safety Nozzle by KEG

Available sizes for hose connection	1"	1 1/4"
Part N°	0010 0045	0010 0046
Pipe diameter (mm)	from 150	from 150

Additional equipment:

- HP swivel joint 1" Part N° 0080 0012
- HP swivel joint 1 1/4" Part N° 0080 0013
- Pull-back device Part N° 0010 0290

approx. 80% less air current and water atomization!



Rotor Nozzle

Rotor Nozzle

Due to its high cleaning performance the Rotor Nozzle allows for a perfect **all around pipe** cleaning. The constant rotary movement ensures a continuous cleaning of the interior wall of the pipe. The Rotor Nozzle is mainly used to remove grease and scale deposits as well as minor root penetrations.

Advantages:

- no maintenance required
- replaceable nozzle inserts
- highly wear-resistant stainless steel

*with 2-year warranty**



Rotor Nozzle

Available sizes for hose connection	1/4"	3/8"	1/2"	3/4"	1" small	1"	1 1/4"
Part N°	0010 0070	0010 0069	0010 0071	0010 0072	0010 0073a	0010 0073	0010 0074
Weight (kg)	0.3	0.3	0.6	2.1	2.1	3.8	3.8
Length / diameter (mm)	62/30	62/30	77 / 42	110 / 60	110 / 60	140 / 78	140 / 78
Number of inserts	4	4	7	7	8	9	9
Pipe diameter (mm)	50-150	50-200	75-250	100-300	150-400	150-400	150-400

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Sewer Nozzle / Cleaning Nozzle



Sewer Nozzle

The Sewer Nozzle utilizing the patented fluid mechanics and two different jet angles was primarily designed for a **day to day all around pipe cleaning**. It is made of special hardened stainless steel and boasts replaceable nozzle inserts.



- Sewer Nozzle -

Available sizes for hose connection	3/4"	1"	1 1/4"	1 1/2"
Part N°	0010 0040	0010 0041	0010 0042	0010 0043
Weight (kg)	6.5	6.5	8.7	8.7
Length / Diameter (mm)	180 / 99	180 / 99	208 / 109	208 / 109
Number of inserts	10	10	12	12
Pipe diameter (mm)	150 - 500	150 - 500	150 - 600	150 - 600

with patented fluid mechanics



- Cleaning Nozzle -

Cleaning Nozzle

The Cleaning Nozzle utilizing the patented fluid mechanics and two different jet angles is mainly used for **all around cleaning** of specifically **smaller pipe diameters**. Due to its **light design it will go round bends** and can be successfully used in different applications. It is made of special hardened stainless steel and boasts replaceable nozzle inserts.

Available sizes for hose connection	3/8"	1/2"	3/4"	1"	1" 30°/40°	1 1/4"
Part N°	00100004	00100001	00100002	00100003	0010 1103	0010 0005
Weight (kg)	0.3	0.3	1.7	2.7	2.7	2.7
Length / Diameter (mm)	45 / 44	45 / 44	105 / 64	125 / 74	125 / 74	125 / 74
Number of inserts	8	8	8	8	8	8
Pipe diameter (mm)	75 - 200	75 - 200	100 - 300	100 - 400	100 - 400	100 - 400

Advantages of patented fluid mechanics

- Reduced water and energy consumption by
 - zero water turbulence inside nozzle body
 - efficiency rate of about 80 %
- time-saving operation by increased performance
- extra cost reduction by:
 - replaceable nozzle inserts
 - wear resistant material of nozzle body
- less maintenance of pump & vehicle



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Sighted Nozzle – small –



Sewer cleaning and inspection all in one go – completely wireless

Advantages:

- cleaning nozzle for efficient sewer cleaning featuring KEG's patented fluid mechanics
- ideal for pipes from 200 mm
- supplies images also in slippery pipes, where conventional cameras encounter problems
- monitoring of the cleaning process thanks to simultaneous video recording **by the nozzle**
- proof of the proper condition of the pipe in terms of the **Federal Self Control Regulations** and the **DIN EN 14654 Standards**
- **early detection of damages** allows for dramatic decrease of pipe maintenance cost and prevents further damages



"Sighted Nozzle" for pipe diameters 200 - 500mm

no cables - no problems!

product video on
You Tube

The most important information for all sewer authorities is provided without extra effort or cost:

- Is the pipe clean?
- Is the pipe okay?

Technical Specifications

- range of operation: pipe diameters from 200 - 500 mm
- also available for pipes from 150 mm -
- pump performance: at least 140 l/min, 100 bar
- video recording: DURING cleaning process
– completely WIRELESS –



Damages and deposits detected during the cleaning process...



...localized pipe damage



...deposits at the bottom of the pipe



... root penetration

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Sighted Nozzle



Sewer cleaning and inspection all in one go – completely wireless

Advantages:

- Internal power supply
- Smart pipe cleaning as cleaning efficiency is adjustable to the degree of soiling
- Thus savings in water, energy and time
- Continuous monitoring of the cleaning process, simultaneous video recording possible
- proof of the proper condition of the pipe in terms of the **Federal Self Control Regulations** and the **DIN EN 14654 Standards**
- **Early detection of damages** in the pipe while cleaning (localisation and documentation of early-stage damage during the cleaning process)
- In time detection of damages allows for dramatic decrease of pipe maintenance cost and prevents further damages/problems
- Live footage / information available anytime



Fig.1: for pipe diameters from 500 mm

The most important information for all sewer authorities is provided without extra effort or cost:

- Is the pipe clean? • Is the pipe okay?

no cables - no problems!



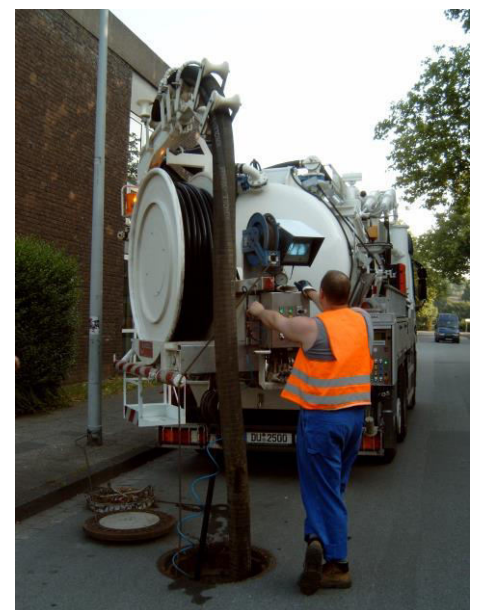
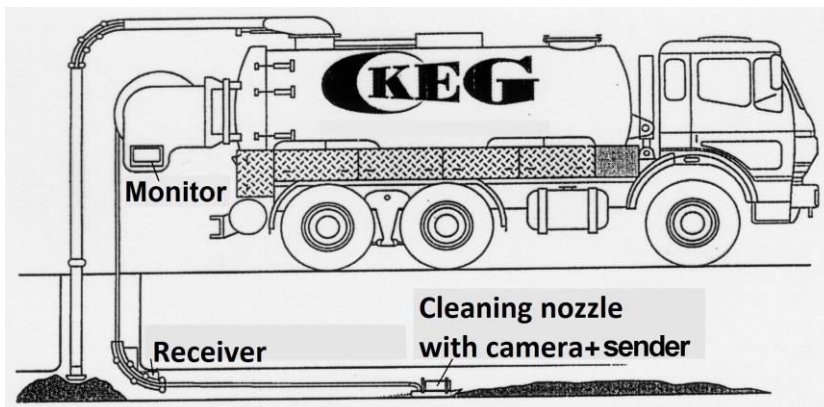
Fig.2: for pipe diameters from 300 mm

Technical Specifications

- range of operation: pipe diameters from 300mm
- transmitter range: > 300 m
- operation time: unlimited
- weight: 20 – 28 kg
- pump performance: from 160 l/min, 120bar
- WIRELESS transmission of video signal by radio DURING the cleaning process



product video on
You Tube



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Traction Nozzle



The Traction Nozzle with patented fluid mechanics and two different jet angles is an excellent tool to remove deposits and blockages (**for example sand, debris, mud, etc.**), in mainly difficult pipes and when tight traction is required, especially in smaller pipe diameters. This small maneuverable nozzle is also suitable for pipes with offsets and bends. The Traction Nozzle is made of highly wear-resistant special steel and equipped with replaceable inserts.

Advantages

- Reduced water and energy consumption by:
 - patented fluid mechanics
 - zero water turbulence inside nozzle body
 - efficiency rate of about 80 %
- time-saving operation by increased performance
- extra cost reduction by:
 - replaceable nozzle inserts
 - highly wear-resistant, stainless material of nozzle body
- available with or without forward jet
- less maintenance of pump and vehicle



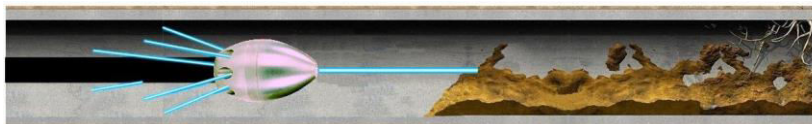
with patented fluid mechanics



- Floating Nozzle -

... nozzle **without** forward jet ... nozzle **with** forward jet

Available sizes for hose connection	3/8"	1/2"	3/4"	1"	1 1/4"
Part N°	0010 0008	0010 0010	0010 0012	0010 0014	0010 0017
	0010 0009	0010 0011	0010 0013	0010 0015	0010 0016
Weight (kg)	0.3	0.3	1.1	1.6	2.7
Length / Diameter (mm)	47 / 40	47 / 40	98 / 60	110 / 68	125 / 80
Number of inserts	7	7	7	7	7
Pipe diameter (mm)	40 - 150	40 - 150	60 - 200	75 - 250	75 - 300



product video on **YouTube**

Facts Worth Knowing About KEG Cleaning Nozzles

- ▶ **Recycled Water**
KEG's cleaning nozzles are basically suitable for use with recycled water. On request we advise you on this particular issue and assist you in selecting the proper cleaning tool and its size according to pump performance and pipe diameter.
- ▶ **KEG Warranty**
All KEG pipe cleaning tools utilizing patented fluid mechanics and equipped with titanium ceramic inserts are available with **3-year warranty*** on nozzles and inserts (*according to KEG's Terms of Warranty).
- ▶ **Material/Nozzle Inserts**
Our cleaning nozzles are made of highly wear-resistant special hardened stainless steel. They come with replaceable threaded inserts (except for Ball and Standard Nozzles) and are individually configured according to pump performance.

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Vibration Nozzle



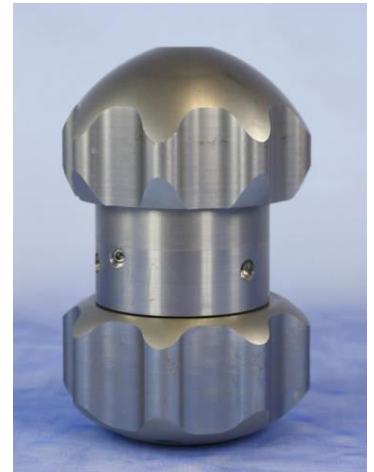
Vibration Nozzle

This nozzle is particularly suitable for the removal of **hard deposits**

- intended for pipes from 30 mm diameter
- due to vibrations of the nozzle hard deposits fall off the pipe walls
- highly wear-resistant stainless material of nozzle body
- maintenance free, replaceable nozzle inserts

→ applications under TV monitoring only!

product video on
You Tube



- Vibration Nozzle -

Available sizes for hose connection	¼"	3/8"	½" small	½"	¾"	1" small	1"	1 ¼"
Part. N°	0010 0199	0010 0105	0010 1106	0010 0106	0010 0107	0010 1108	0010 0108	0010 0109
Weight (kg)	0.18	0.18	0.18	0.78	2.6	2.6	6.3	6.3
Length / diameter (mm)	50 / 30	50 / 30	50 / 30	90 / 50	125 / 76	125 / 76	165 / 110	165 / 110
Number of inserts	4	4	4	5	5	6	6	6
Pipe diameter (mm)	> 30	> 30	> 75	> 75	> 100	> 150	> 150	> 150

Vibration Nozzle for recycled water

This nozzle is particularly suitable for the removal of **hard mineral deposits**

- intended for pipes from diameter 150 mm
- due to vibrations of the nozzle hard deposits fall off the pipe walls
- highly wear-resistant stainless steel of nozzle body
- replaceable nozzle inserts
- boasting two circulator turbines

→ Applications under TV monitoring only!



Vibration Nozzle - Recycling -

Available sizes for hose connection	1"	1 ¼"
Part N°	0010 0197	0010 0198
Pipe diameter (mm)	> 150 mm	> 150 mm

product video on
You Tube

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