

# PRODUCTS FOR JETTING

Nozzles and Accessories



# PRODUCTS

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ROTATING SWIVEL  
MINI-JET HOSES  
INSERTS

# APPLICATIONS

Cleaning of domestic or industrial discharges  
(DN20-80 mm)  
SILE | ARZINO

Cleaning of civil discharges and lateral connections  
(DN80-200 mm)  
CELLINA | MEDUNA | LIVENZA | VORTEX | ARZINO

Washing of vertical columns and pipes with bends  
MEDUNA | VORTEX | ARZINO | TREMOL

Cleaning of municipal sewers (from DN200)  
ISONZO | FARA | DURANNO | CANIN | RONDÒ

Removal of obstructions (grease, chemicals, roots)  
RAUT | BORA | WARTHOG | WGR MAGNUM

Usage with water recycling pumps  
NOZZLES WITH CERAMIC OR CARBIDE INSERTS | WGR MAGNUM

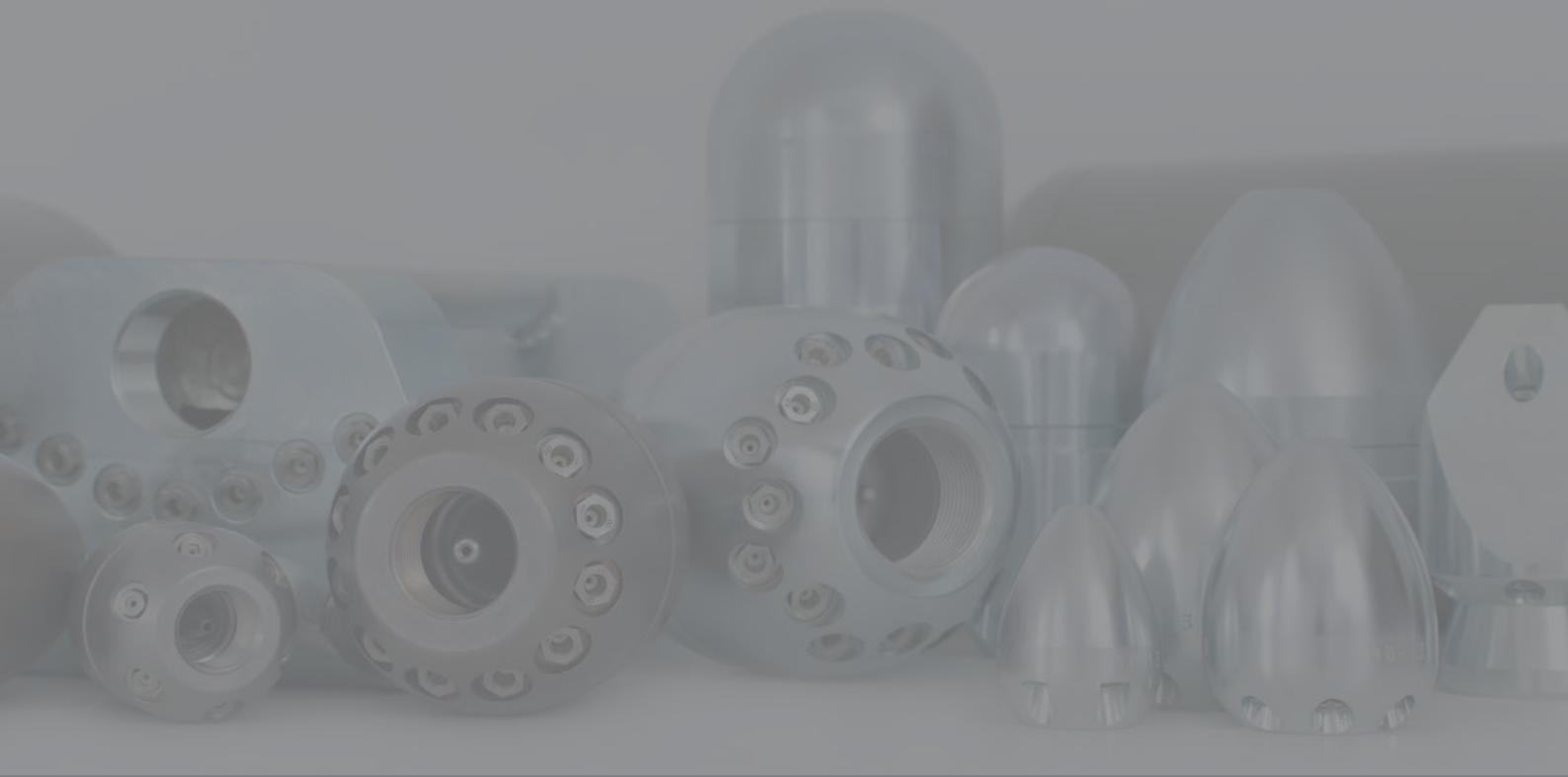
Roots removal  
BORA | AVIAN TC | CARNIA AND FRIULI | MANIAGO |  
CENTRALIZERS

Removal of hard blockages (limestone, concrete,...)  
AVIAN TURBINE WITH CARBIDE HEAD | WAMAX

Accurate cleaning of the pipe wall  
TREMOL | WARTHOG DS | WGR MAGNUM

Sediments and deposits removal  
RDS-V | ROTOR-JIGGLER | RUMAX

Sand and mud removal from the bottom of the pipe  
*Ovoid pipes*      NATISONE  
*Small flat bottomed channels*      PIAVE | MAGREDI  
*Pipes with running water*      POWERJET



At the end of any high pressure cleaning pressure there is always a **nozzle**.

For this reason, at the beginning of any good job, you always have to carefully consider and evaluate the problems to be solved and choose correctly to nozzle to use.

**Nuova Contec** offers a wide range of nozzles and equipment to enable the operators to face the most challenging working situations.

Our nozzles are designed and manufactured in order to work with pumps up to 250/350 bar, according to the nozzle. For this reason they must be used by an adequately trained operator, who knows how to work with appropriate pumps and cleaning units, while respecting the usage, maintenance and safety instructions .

It is strongly discouraged to use these nozzles for DIY applications by who doesn't have the necessary experience and professional training.

With this catalogue we aim to provide support for the choice of the right tools. For this purpose on our **YouTube Channel** several videos are available, taken from operative applications or demos. It is possible to access these videos using the QR codes reported on the margin of the different series.



Further information for each nozzle series or other products is available on our website [www.nuovacontec.com](http://www.nuovacontec.com)

## RECOMMENDATIONS

Always use the save hose devices in order to protect the high pressure hose from the edges of the manhole.

With rotating and roots removal nozzles you always to use centralizers or rings corresponding to the diameter of the pipeline.

Always read the usage, maintenance and safety instructions.

# NOZZLES KIT

Nozzle kits are an easy solution for those users who want to have some nozzles ready to be used for any daily application of pipe cleaning, flushing and unblocking. For each size several solutions are available with different nozzle combinations in plastic cases with foam shapes for each nozzle. Every kit includes tools for inserts replacing and general safety instructions as well.



## Kit 1/2"

**VALK1F.00** 1/2" F KIT (8 NOZZLES)  
(Cellina, Livenza, Meduna, Vortex, Arzino, Raut, Isonzo, Tremol)

**VALK1.00** 1/2" M KIT (8 NOZZLES)  
(Cellina, Livenza, Meduna, Vortex, Arzino, Raut, Isonzo, Tremol)



## Kit 3/4"

**VALK3F.00** 3/4" F KIT (6 NOZZLES)  
(Cellina, Vortex, Arzino, Raut, Isonzo, Tremol)

**VALK3F1.00** 3/4" KIT (4 NOZZLES)  
(Livenza, Raut, Isonzo, Tremol)



## Kit 1"

**VALK6F.00** 1" F KIT (6 NOZZLES)  
(Cellina, Vortex, Arzino, Isonzo, Raut, Tremol)

**VALK6F.00** 1" F KIT (6 NOZZLES)  
(Cellina, Vortex, Arzino, Isonzo, Raut, Tremol)

**VALK6F1.00** 1" F KIT (4 NOZZLES WITH CERAMIC INSERTS)  
(Arzino, Isonzo, Raut, Tremol),



# SILE

Small diameters,  
for mini-jet hoses  
(1/8", 1/4", 3/8")



	Conical Head	Round Head	With Hose Fitting	
	1/8" F	1/8" F	3/16"	1/4"
<b>Ø x L (mm)</b>	15x15	15x15	12x30	12x33
<b>Weight (gr)</b>	8	8	12	10
<b>Jet Angle</b>	35°	35°	35°	35°
<b>Maximum Pressure (bar)</b>	250	250	250	250
<b>Flow (lt/min)</b>	20-60	20-60	20-60	20-60
<b>Working DN (mm)</b>	20-60	20-60	20-60	20-60
<b>Part Numbers</b>	<b>5500.07</b>	<b>5500.17</b>	<b>5500.01</b>	<b>5500.012</b>
<i>w/frontal and rear jets</i>	<b>5500.07A</b>	<b>5500.17A</b>	<b>5500.01A</b>	<b>5500.012A</b>
<i>w/2 frontal and rear jets</i>	<b>5500.07F2</b>			
<i>c/4 frontal and rear jets</i>	<b>5500.07TR</b>			



	1/4" F	3/8" F	3/8" M
<b>Ø x L (mm)</b>	18x29	23x31	21x37
<b>Weight (gr)</b>	25	40	50
<b>Jet Angle</b>	35°	35°	35°
<b>Maximum Pressure (bar)</b>	250	250	250
<b>Flow (lt/min)</b>	25-80	30-90	30-90
<b>Working DN (mm)</b>	30-100	30-150	30-150
<b>Part Numbers</b>	<b>3518.00 (*)</b>	<b>3519.00 (*)</b>	<b>3519.00M (*)</b>
<i>w/frontal and rear jets</i>	<b>3518.00 (*)</b>	<b>3519.00 (*)</b>	<b>3519.00M (*)</b>
<i>w/4 frontal and rear jets</i>	<b>3518.00TR</b>	<b>3519.00TR</b>	<b>3519.00MTR</b>
<i>Only frontal jets</i>	<b>3518.00A</b>	<b>3519.00A</b>	

(\*) These nozzles have a M4 nozzle tip in front: they are always separately delivered with the plug and the tip.

# CELLINA

Round head, jets at 35°



	1/2" M	1/2" F	3/4" F	1" F
<b>Ø x L (mm)</b>	28x50	28x46	35x50	48x65
<b>Weight (gr)</b>	120	95	170	460
<b>Jet Angle</b>	35°	35°	35°	35°
<b>Frontal Jet</b>	M6	M6	M6	M6
<b>Maximum Pressure (bar)</b>	300	300	300	300
<b>Flow (lt/min)</b>	50-170	50-170	60-230	70-260
<b>Working DN (mm)</b>	50-100	50-100	60-200	100-300
<b>Part numbers</b>	<b>5520.20</b>	<b>5520.30</b>	<b>5520.60</b>	<b>5520.70</b>

# LIVENZA

Conical head,  
interchangeable inserts.



	1/2" F	3/4" F	1" F
<b>Ø x L (mm)</b>	34x55	44x65	52x75
<b>Weight (gr)</b>	222	336	500
<b>Jet Angle</b>	15°	15°	15°
<b>Frontal Jet</b>	M6	M6	M6
<b>Rear Jets</b>	M6	M6	M6
<b>Max Pressure (bar)</b>	300	300	300
<b>Flow (lt/min)</b>	40-170	50-230	50-260
<b>Working DN (mm)</b>	50-200	85-250	100-300
<b>Part Numbers</b>	<b>5515.300</b>	<b>5515.600</b>	<b>5515.700</b>

# MEDUNA

Round head, short,  
jets at 25° or 30°.



**NEW!**

	1/2" M SS	1/2" M	1/2" F
<b>Ø x L (mm)</b>	25x36	25x43	25x43
<b>Weight (gr)</b>	60	70	65
<b>Jet Angle</b>	30°	25°	25°
<b>Frontal Jet</b>	n/a	M6	M6
<b>Max Pressure (bar)</b>	300	300	300
<b>Flow (lt/min)</b>	40-170	40-170	40-170
<b>Working DN (mm)</b>	50-100	50-100	50-100
<b>Codici</b>	<b>3520.110I</b>	<b>3520.110</b>	<b>3520.210</b>



# VORTEX

Round head,  
jets with a combined jet angle  
(15°/35°)



	1/2" F	3/4" F	1" F
<b>Ø x L (mm)</b>	37x37	44x45	48x46
<b>Weight (gr)</b>	175	325	380
<b>Jet Angle</b>	15/35°	15/35°	15/35°
<b>Frontal Jet</b>	M6	M6	M6
<b>Max Pressure (bar)</b>	300	300	300
<b>Flow (lt/min)</b>	80-170	95-230	95-260
<b>Working DN (mm)</b>	50-100	60-200	80-300
<b>Part Numbers</b>	<b>5528.50</b>	<b>5532.50</b>	<b>5533.50</b>

# ARZINO

Egg-shaped, drilled (1/4" and 3/8") or with interchangeable inserts.



	1/4" F	3/8" F	1/2" M	1/2" F	3/4" F	1" F	1" 1/4 F
<b>Ø x L (mm)</b>	25x30	30x37	31x49	48x60	58x72	69x85	79x95
<b>Weight (kg)</b>	0,05	0,1	0,1	0,3	0,8	1,3	2,0
<b>Jet Angle</b>	15°	15°	35°	15°	15°	15°	15°
<b>Nr. &amp; Type of Inserts</b>	drilled	drilled	6xM6	6xM6	8xM6	8xM6	8xM10x1
<b>Max Pressure (bar)</b>	300	300	300	300	300	300	300
<b>Flow (lt/min)</b>	25-80	30-90	40-170	40-170	55-230	60-260	120-400
<b>Working DN (mm)</b>	30-80	60-120	60-200	60-200	100-250	150-350	150-400
<b>Part Numbers</b>	<b>5526.00</b>	<b>5527.00</b>	<b>5529.06</b>	<b>5528.06</b>	<b>5532.08</b>	<b>5533.08</b>	
<b>w/Ceramic Inserts</b>			<b>5529.06C</b>	<b>5528.06C</b>	<b>5532.08C</b>	<b>5533.08C</b>	
<b>SS</b>				<b>5528.06IC</b>	<b>5532.08IC</b>	<b>5533.08IC</b>	<b>5534.080IC</b>



**NEW!**

# TREMOL

Rotating nozzle, with radial jets.



	1/8" F	1/4" F	1/2" F 1/2" M	3/4" F	1" F	1" 1/4 F
<b>Ø x L (mm)</b>	14x39	22x46	35x60	50x83	70x105	70x105
<b>Weight (kg)</b>	30 gr	0,1	0,3	0,8	2,6	2,6
<b>Jet Angle</b>	90° / 40°	90° / 25°	90° / 25°	90° / 20°	90° / 20°	90° / 20°
<b>Inserts</b>	drilled	drilled	M4	M6 C	TE M6 C	TE M6 C
<b>Max Pressure (bar)</b>	275	275	275	275	275	275
<b>Flow (lt/min)</b>	25-80	30-90	40-170	70-250	100-350	100-350
<b>Working DN (mm)</b>	20-60	25-60	50-150	100-300	200-400	200-400
<b>Part numbers</b>	<b>75510.19R</b>	<b>75510.23R</b>	<b>75510.14R</b>	<b>75510.35R</b>	<b>75510.25R</b>	<b>75510.27R</b>
						<b>75510.14M</b>



# FARA AND DURANNO

Grenade nozzle, high thrust,  
ceramic or carbide inserts.



	Fara 1" F	Duranno 1" F	Duranno 1" 1/4 F
<b>Ø x L (mm)</b>	87x142	107x186	107x186
<b>Weight (kg)</b>	3,6	9,5	9,5
<b>Jet Angle</b>	10x15°	8x20° + 8x30°	8x20° + 8x30°
<b>Rear Jets</b>	M10x1	M10x1	M10x1
<b>Frontal Jet</b>	M10x1	n/d	n/d
<b>Max Pressure (bar)</b>	300	300	300
<b>Min flow (lt/min)</b>	>120	>240	>250
<b>Working DN (mm)</b>	150-500	300-800	300-1000
<b>Part Numbers</b>			
<b>with Ceramic Inserts</b>	<b>65540.600</b>	<b>65540.810</b>	<b>65540.800</b>
<b>with Carbide Inserts</b>	<b>65540.600W</b>	<b>65540.810W</b>	<b>65540.800W</b>

▶ **NEW!**



# CANIN

Torpedo shape, very high thrust,  
ceramic or carbide inserts.



	3/4" F	1" F	1" 1/4 F
<b>Ø x L (mm)</b>	68x125	98x210	98x210
<b>Weight (kg)</b>	2,5	5,6	5,6
<b>Jet Angle</b>	3x5° + 3x10°	5x5° + 5x10°	5x5° + 5x10°
<b>Inserts</b>	M10x1	M10x1	M10x1
<b>Frontal Jet</b>	n/a	n/a	n/a
<b>Max Pressure (bar)</b>	300	300	300
<b>Flow (lt/min)</b>	>80	>150	>150
<b>Working DN (mm)</b>	150-300	200-500	200-500
<b>Part Numbers</b>			
<b>with Ceramic Inserts</b>	<b>65540.760</b>	<b>65540.710</b>	<b>65540.750</b>
<b>with Carbide Inserts</b>	<b>65540.760W</b>	<b>65540.710W</b>	<b>65540.750W</b>

▶ **NEW!**

# ISONZO

SS nozzles, jets at 30°  
ceramic or carbide inserts.



	1/2" F	3/4" F	1" F	1" 1/4 F
<b>Ø x L (mm)</b>	49x80	69x111	87x135	87x135
<b>Weight (kg)</b>	0,8	1,4	4,5	4,5
<b>Nr. and Jet Angle</b>	6x30°	8x30°	12x30°	12x30°
<b>Inserts</b>	M6 (TE)	M6x8	M10x1	M10x1
<b>Max Pressure (bar)</b>	300	300	300	300
<b>Flow (lt/min)</b>	>60	>80	>250	>250
<b>Working DN (mm)</b>	80-200	150-400	200-600	200-600
<b>Part Numbers</b>				
<b>with Ceramic Inserts</b>	<b>65540.100</b>	<b>65540.200</b>	<b>65540.420</b>	<b>65540.421</b>
<b>with Carbide Inserts</b>		<b>65540.200W</b>	<b>65540.420W</b>	<b>65540.421W</b>

▶ **NEW!**

# RONDÒ

Fan-jets at 360°  
for an integral cleaning,  
Jet angle at 45°.



	1/2" F	3/4" F	1" F	1" F	1" 1/4 F
<b>Ø x L (mm)</b>	39x68	53x78	59x90	89x125	89x125
<b>Weight (kg)</b>	0,5	0,86	1,4	4,3	4,3
<b>Jet Angle</b>	45° / 18°	45° / 18°	45° / 18°	45° / 18°	45° / 18°
<b>Inserts</b>	3xM6	3xM8	3xM8	3xM12	3xM12
<b>Max Pressure (bar)</b>	300	300	300	300	300
<b>Flow (lt/min)</b>	95-150	115-190	170-265	230-340	230-340
<b>Working DN (mm)</b>	60-150	70-350	200-400	300-800	300-800
<b>Part Numbers</b>	<b>3580.01</b>	<b>3580.05</b>	<b>3580.10</b>	<b>3580.15</b>	<b>3580.20</b>

## RAUT

Multiple frontal jets.



	1/4" F	1/2" F	1/2" M	3/4" F	1" F	1" 1/4 F
<b>Ø x L (mm)</b>	20x35	30x59	30x51	50x92	59x105	75x135
<b>Weight (kg)</b>	40 gr	0,2	0,2	0,6	1,0	1,9
<b>Frontal Jets</b>	Drilled	4 x M4	4 x M4	4 x M6 <sup>(*)</sup>	4 x M6 <sup>(*)</sup>	4 x M6
<b>Rear Jets</b>	Drilled	6 x M4	6 x M4	6 x M6 <sup>(*)</sup>	6 x M6 <sup>(*)</sup>	8 x M10
<b>Max Pressure (bar)</b>	300	300	300	300	300	300
<b>Flow (lt/min)</b>	35-80	70-170	70-170	85-250	100-350	200-500
<b>Working DN (mm)</b>	30-100	50-250	50-250	100-300	150-400	150-500
<b>Part Numbers</b>	<b>5550.05</b>	<b>5550.10</b>	<b>5550.10M</b>	<b>5550.20</b>	<b>5550.30</b>	
<b>w/ceramic inserts</b>				<b>5550.20C</b>	<b>5550.30C</b>	<b>5550.40C</b>

(\*) this version is delivered with hexagonal head ceramic inserts.

## BORA

Rotating frontal jet.



	1/2" F	3/4" F	1" F
<b>Ø x L (mm)</b>	39x61	68x107	68x107
<b>Weight (kg)</b>	0,4	2,1	2,1
<b>Jet Angle</b>	20°	20°	20°
<b>Inserts</b>	6 (M6 C)	8 (M10x1)	8 (M10x1)
<b>Max Pressure (bar)</b>	220	250	250
<b>Flow (lt/min)</b>	30-170	120-350	120-350
<b>Working DN (mm)</b>	60-150	150-350	150-350
<b>Part Numbers</b>	<b>75150.01</b>	<b>75210.01</b>	<b>75350.01</b>
<b>Spare inserts for rotating jet</b>	<b>75150.01-xx</b>		

# WARTHOG

Controlled rotation.  
Frontal and/or radial jets.



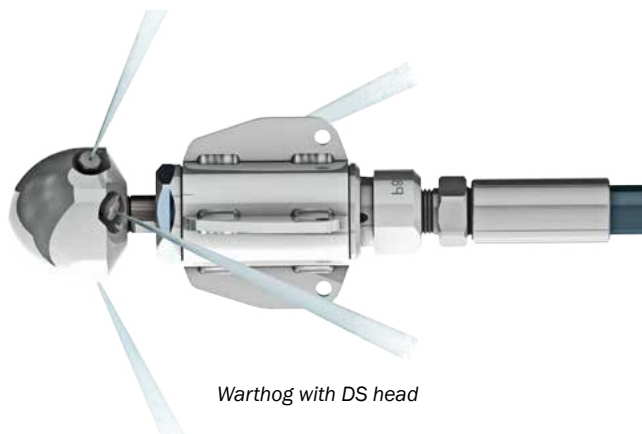
	3/8" F	1/2" F	3/4" F	1" F	1" 1/4 F
<b>Ø x L (mm)</b>	48x76	48x110	79x190	106x230	122x231
<b>Weight (kg)</b>	0,5	1,33	2,1	4,9	5,0
<b>Frontal Jet</b>	1x15°	1x15°	1x15°	1x15°	1x15°
<b>Rear Jets</b>	2x30°	2x30°	2x30°	4x35°/40°	6x35°
<b>Flow (lt/min)</b>	20-45	27-75	40-170	190-300	300-450
<b>Max Pressure (bar)</b>	350	350	550	350	350
<b>Working DN (mm)</b>	60-200	60-200	150-500	200-900	200-900
<b>Part Numbers</b>	<b>75000.53</b>	<b>75000.50K</b>	<b>75000.55</b>	<b>75000.60</b>	<b>75000.61</b>
<b>With Rubber Hose (60 cm)</b>		<b>75000.50B</b>			
<b>With Hose and Swivel Joint</b>		<b>75000.50J</b>			
<b>With Descaler Head</b>		<b>75000.50KD</b>	<b>75000.55D</b>	<b>75000.60D</b>	
<b>Maintenance Kit</b>	<b>ST.WT600</b>	<b>ST.WS600</b>	<b>ST.WH600</b>	<b>ST.WG600</b>	<b>ST.WD600</b>
<b>Service Kit</b>	<b>ST.WT610</b>	<b>ST.WS610</b>	<b>ST.WH610</b>	<b>ST.WG610</b>	<b>ST.WD610</b>
<b>Centralizers</b>		<b>5370.05</b>	<b>5370.10</b>	<b>5370.15</b>	<b>5370.15</b>
<b>Extensible Guide</b>				<b>5370.20</b>	



Warthog 3/4" with 5370.10



Warthog 1" with 5370.20



Warthog with DS head

# WGR MAGNUM

To be used with water-recycling pumps.

**NEW!**



	3/4"	1"	1" 1/4
<b>Ø x L (mm)</b>	92 x 184	110 x 270	110 x 280
<b>Weight (kg)</b>	3,06	4,9	4,9
<b>Frontal Jet</b>	1 x 15°	1 x 15°	1 x 15°
<b>Radial Jets</b>	2 x 55°	2 x 85°	n/d
<b>Rear Jets</b>	2 x 28°	4 x 38°	6 x 38°
<b>Max Pressure (bar)</b>	550	350	350
<b>Flow (lt/min)</b>	60 - 190	> 190	> 190
<b>Working DN (mm)</b>	150 - 400	200 - 900	200 - 900

#### Part Numbers

<b>Nozzle without Inserts</b>	<b>74996.01.SI</b>	<b>74997.01.SI</b>	<b>74998.00.SI</b>
<b>Standard Calibration</b>	<b>TA.WHR</b>	<b>TA.WGR</b>	<b>TA.WGR125</b>
<b>Std. Calibration w/Carb. Inserts</b>	<b>TA.WHR.W</b>	<b>TA.WGR.W</b>	<b>TA.WGR125.W</b>
<b>Descaling Calibration</b>	<b>TA.WHR.DS</b>	<b>TA.WGR.DS</b>	
<b>DS Calibration w/Carb. Inserts</b>	<b>TA.WHR.WDS</b>	<b>TA.WGR.WDS</b>	



# NATISONE

Balanced,  
with bottom oriented jets.  
Ceramic or carbide inserts.



	3/4" F	1" F	1" F	1" 1/4 F
<b>Ø x L (mm)</b>	100x260	140x400	160x520	160x520
<b>Weight (kg)</b>	10	18	32	32
<b>Jet Angle</b>	5x15°	7x28°/15°	9x28° / 15°	9x28°/15°
<b>Inserts</b>	TE M10x1 C	TE M10x1 C	TE M10x1 C	TE M10x1 C
<b>Max Pressure (bar)</b>	250	250	250	250
<b>Flow (lt/min)</b>	80-160	100-240	180-400	180-400
<b>Working DN (mm)</b>	150-500	250-800	300-1000	300-1000
<b>Part Numbers</b>				
<b>with Ceramic Inserts</b>	<b>65500.800</b>	<b>65500.810</b>	<b>65500.820</b>	<b>65500.840</b>
<b>with Carbide Inserts</b>	<b>65500.800W</b>	<b>65500.810W</b>	<b>65500.820W</b>	<b>65500.840W</b>

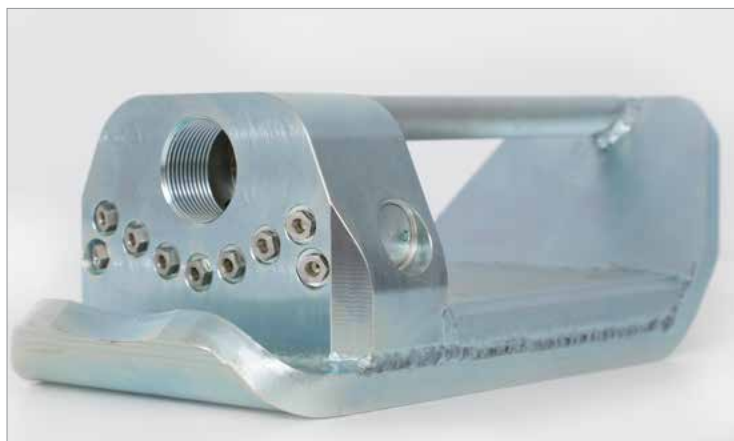
▶ **NEW!**

# POWERJET

Application of the Venturi Effect



	Powerjet 100 1" 1/4 F	Powerjet 500 1" 1/4 F	Powerjet 600 1" 1/4 F	Powerjet 900 1" 1/2 F
<b>Dimensions L x W x H (mm)</b>	720x300x280	400x300x300	720x500x270	720x590x275
<b>Weight (kg)</b>	32	40	52	80
<b>Inserts</b>	M10x1	M10x1	M10x1	M10x1
<b>Max Pressure (bar)</b>	200	200	200	200
<b>Flow (lt/min)</b>	> 280	> 280	> 280	> 500
<b>Working DN (mm)</b>	400-1200	500-1500	600-2000	1000-3600
<b>Part Numbers</b>	<b>65000.100</b>	<b>65000.500</b>	<b>65000.600</b>	<b>65000.900</b>



Magredi



Magredi Plus

# MAGREDI

Sledge Nozzles.  
Ceramic or carbide inserts.



	3/4" F	1" F	1" F	1" 1/4 F
<b>Dimensions (mm)</b>	355x160x120	355x160x120	355x160x120	355x160x120
<b>Weight (kg)</b>	17	17	22	22
<b>Jet Angle</b>	0°/5°/10°/15°/25°	0°/5°/10°/15°/25°	0°/5°/10°/15°/25°	0°/5°/10°/15°/25°
<b>Nr. of Inserts</b>	9	9	9	9
<b>Type of Inserts</b>	TE M10x1	TE M10x1	TE M10x1	TE M10x1
<b>Flow (lt/min)</b>	150	150	150	150
<b>Working DN (mm)</b>	400-1200	400-1200	400-1200	400-1200

### MAGREDI

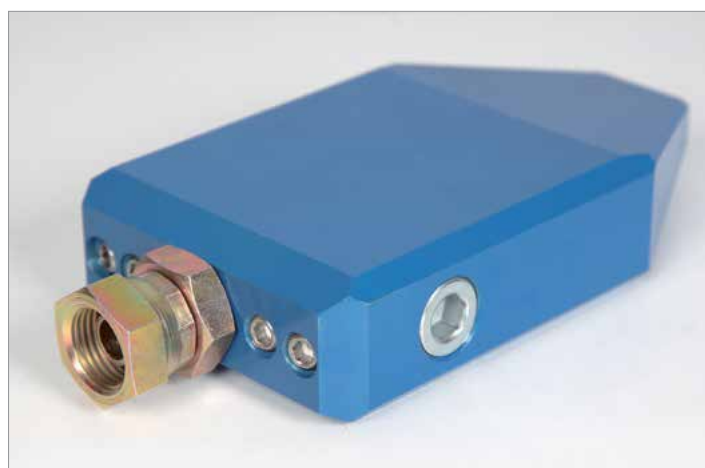
<b>with Ceramic Inserts</b>	<b>65500.872</b>	<b>65500.87</b>	<b>65500.870</b>	<b>65500.871</b>
<b>with Carbide Inserts</b>	<b>65500.872W</b>	<b>65500.87W</b>	<b>65500.870W</b>	<b>65500.871W</b>
<b>Add. Weight (5,6 kg)</b>	<b>65500.87-06</b>	<b>65500.87-06</b>		

### MAGREDI PLUS

with 5 upper jets at 75°

<b>with Ceramic Inserts</b>	<b>65500.872R</b>	<b>65500.87R</b>	<b>65500.870R</b>	<b>65500.871R</b>
<b>with Carbide Inserts</b>	<b>65500.872RW</b>	<b>65500.87RW</b>	<b>65500.870RW</b>	<b>65500.871RW</b>

► **NOVITÀ!**



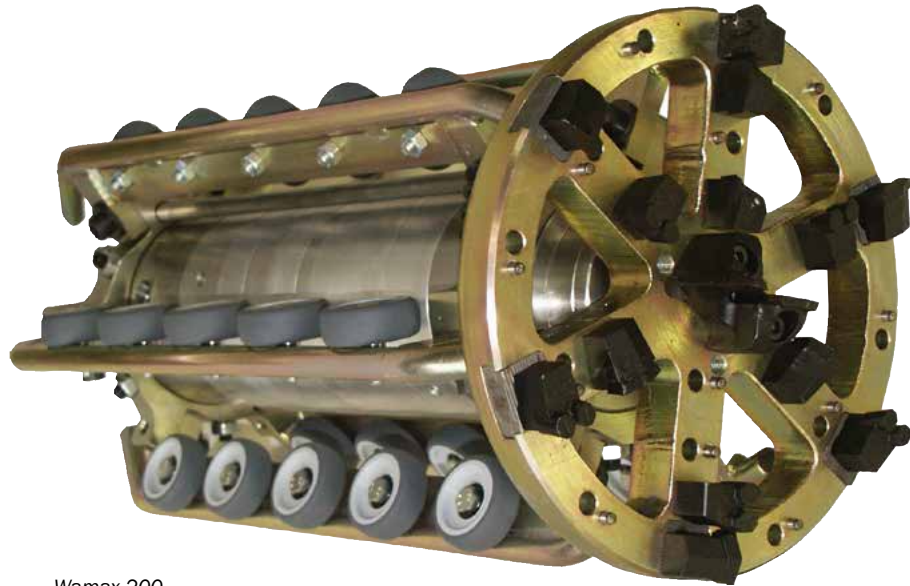
# PIAVE

Flat nozzle, for 1/2" hose.  
with ceramic inserts.

	1/2" F
<b>Dimensions (mm)</b>	165X94X37
<b>Weight (kg)</b>	3.5
<b>Jet Angle</b>	5°/10°
<b>Nr. of Inserts</b>	4
<b>Type of Inserts</b>	TE M10
<b>Min Flow (lt/min)</b>	60
<b>Working DN (mm)</b>	150-250
<b>Nozzle w/ceramic inserts</b>	<b>65500.88</b>

# WAMAX

Hydraulic Milling System.



Wamax 200

	WAMAX 100	WAMAX 200	WAMAX 300
	1" F	1" ¼ F	1" 1/4 F
<b>Ø x L (mm)</b>	75x240	125x460	150x500
<b>Weight (kg)</b>	7,9	27	40
<b>Jet Angle</b>	15°	15°	15°
<b>Inserts</b>	4 x M12 C	8 x TE ¼ C	8 x TE ¼ C
<b>Working DN (mm)</b>	100-200	150-500	300-800
<b>Part Numbers</b>	<b>77100.00</b>	<b>77200.00</b>	<b>77300.00</b>

# RUMAX

Vibrating, heavy.



	RUMAX 75	RUMAX 85	RUMAX 100
	3/4" F	3/4" F	1" F
<b>Ø x L (mm)</b>	69x188	69x188	120x260
<b>Weight (kg)</b>	3,7	3,8	8,8
<b>Jet Angle</b>	20°	20°	20°
<b>Inserts</b>	6 x M10x1 C	6 x M10x1 C	6 x M10x1 C
<b>Max Pressure (bar)</b>	200	200	200
<b>Flow (lt/min)</b>	130-265	150-340	150-340
<b>Working DN (mm)</b>	>150	>150	>200
<b>Part Numbers</b>	<b>77475.00</b>	<b>77485.00</b>	<b>77410.50</b>



## RDS-V

Light, vibrating nozzles  
with steel cage.



	1/2" F	3/4" F	1" F
<b>Ø x L (mm)</b>	65x108	77x116	95x130
<b>Weight (kg)</b>	1,1	1,7	3,2
<b>Jet Angle</b>	6 x 15°	6 x 15°	6 x 15°
<b>Inserts</b>	M6	M6	M8
<b>Max Pressure (bar)</b>	250	250	250
<b>Minimum Flow (lt/min)</b>	75	120	130
<b>Working DN (mm)</b>	100-200	150-300	150-400
<b>Part Numbers</b>	<b>77400.20</b>	<b>77400.60</b>	<b>77400.70</b>
<b>w/Carbide Theeth</b>	<b>77400.20W</b>	<b>77400.60W</b>	<b>77400.70W</b>

## ROTO-JIGGLER

Light and small vibrating  
nozzles with crowned head.



	1/4" F	1/2" F	3/4" F	1" F
<b>Ø x L (mm)</b>	38x76	48x86	58x110	78x130
<b>Weight (kg)</b>	0,3	0,6	2	3
<b>Jet Angle</b>	15°	15°	15°	15°
<b>Inserts</b>	6xM4	6xM6	6xM6	6xM8
<b>Flow (lt/min)</b>	25-70	50-120	130-250	>250
<b>Working DN (mm)</b>	50-125	80-250	125-300	150-400
<b>Part Numbers</b>	<b>77400.05</b>	<b>77400.25</b>	<b>77400.65</b>	<b>77400.75</b>

# CARNIA AND FRIULI

Root cutters  
with ring chains.



	Carnia 3/4" F	Friuli 1" F	Friuli 1" 1/4 F
<b>Dimensions (Ø in mm)</b>	60	74	74
<b>Weight (kg)</b>	1,5	2,9	2,9
<b>Jet Angle (Rear)</b>	6x20°	6x20°	6x20°
<b>Jet Angle (Rotation)</b>	6x90°	6x90°	6x90°
<b>Flow (lt/min)</b>	120-240	120-280	120-280
<b>Max Pressure (bar)</b>	250	250	250
<b>Working DN (mm)</b>	100-350	150-500	150-500
<b>Part Numbers (kit)</b>	<b>VALK3C.01</b>	<b>VALK6C.01</b>	<b>VALK7C.01</b>

# MANIAGO

Root cutter  
with different types of chains.



	1" F
<b>Ø x L (mm)</b>	88x140
<b>Weight (kg)</b>	3
<b>Rotation Jets</b>	3x90° (TE M6)
<b>Rear Jets</b>	6x20° (TE M6)
<b>Max Pressure (bar)</b>	250
<b>Flow (lt/min)</b>	150÷280
<b>Working DN (mm)</b>	200-600
<b>Part Number (kit)</b>	<b>VALK6C1.01</b>

# AVIAN

Root cutters  
with sprocket chains.



	1/2" F	3/4" F	1" F
<b>Ø x L (mm)</b>	36x60	55x83	70x140
<b>Weight (kg)</b>	0,3	1	2,6
<b>Rotating Jets</b>	3x90° (M4)	3x90° (M6 C)	3x90° (TE M6 C)
<b>Rear Jets</b>	6x25° (M4)	4x20° (M6 C)	6x20° (TE M6 C)
<b>Max Pressure (bar)</b>	250	250	250
<b>Flow (lt/min)</b>	60-160	80-240	150-270
<b>Working DN (mm)</b>	50-150	80-250	100-350
<b>Part Numbers (kit)</b>	<b>VALK1A1.01</b>	<b>VALK3A1.01</b>	<b>VALK6A1.01</b>

# AVIAN TURBINA

Turbine, carbide head,  
ceramic inserts.



	1/2" F	3/4" F	1" F
<b>Ø x L (mm)</b>	36x60	55x83	70x140
<b>Weight (kg)</b>	0,3	1	2,6
<b>Rotating Jets</b>	3x90° (M4)	3x90° (M6 C)	3x90° (M6 C)
<b>Rear jets</b>	6x25° (M4)	4x20° (M6 C)	6x20° (TE M6)
<b>Flow (lt/min)</b>	60-160	80-240	90-270
<b>Working DN (mm)</b>	50-150	80-250	100-350
<b>Part Numbers</b>			
<b>w/Carbide Head</b>	<b>75510.17TTW</b>	<b>75510.360TTW</b>	<b>75510.260TTW</b>
<b>Turbine Kit</b>	<b>VALK1T.01</b>	<b>VALK3T.01</b>	<b>VALK6T.01</b>



## CENTRALIZERS

Use pipe centralizers to keep rotating nozzles or root cutters in the center of the pipe during cleaning operations.

They include a locknut for a safer fixing of the nozzle.

**DN 150-300 centralizer** with a set of adjustable position skids. Suitable for 3/4" nozzles (Tremol, Rondò, Warthog, Avian, Carnia).

	3/4" F/M
DN (mm)	150-300
Weight (kg)	3,4
Length (mm)	250
Max Pressure (bar)	300
Part Number	5023.02



**DN 200-450 centralizer** with 2 sets of adjustable position skids. Steel wheels are set on bigger skids. Suitable for 1" nozzles (Tremol, Rondò, Warthog, Friuli, Maniago).

	1" F/M
DN (mm)	200-450
Weight (kg)	7,5
Length (mm)	325
Max Pressure (bar)	300
Part Number	5023.01-1



**DN 225-600 centralizer** with pantograph opening, and rubber wheels. Adjustable ring can be fixed along marked positions in order to open the centralizer at required DN. Suitable for 1" nozzles (Warthog, Friuli, Maniago).

	1" F/M
DN (mm)	225-600
Weight (kg)	9,3
Length (mm)	600
Max Pressure (bar)	300
Part Number	5025.01



## SLUDGE PUMP

The Venturi-effect liquid sucker can be connected to pressure washers, high pressure washing systems, secondary reels for cleaning vehicles, to quickly suck liquids and mud from flooded basements, manholes, pools, working areas, or to fill tanks and vessels.

It is able to suck up to 6 mt in depth. The suction capacity varies according to the pump flow, the depth and the working pressure.

It is provided with a piece of suction hose DN40 5 mt long.

Part number	Inlet	Nominal Pressure (bar)	ØxL (mm)	Max Flow (l/min)	Nominal Temperature (°C)
5100.00	3/8" F	250	107x115	25	90°C



## VENTURI DEVICE

This system allows to suck mud and liquids in depth, thanks to the Venturi-effect generated by the water jets within the cone.

Suction hoses of sewer cleaning vehicles can be attached to the DN80 or DN100 inlets.

An intermediate device allows for serial connection in order to increase suction depth.

Part No.	Item	ØxL (mm)	Weight (kg)
5100.10	Venturi DN80	150x270	4,4
5100.12	Venturi DN100	170x290	5,5
5110.01	Venturi DN80, interm.	150x350	4,7
5110.02	Venturi DN100, interm.	170x370	5,7



### Accessories

Part No.	Item
221403	Male Ball Joint DN80 w/Quill 3" F
221404	Male Ball Joint DN100 w/Quill 4" F
221303	Female Ball Joint DN80 w/Quill 3" F
221304	Female Ball Joint DN100 w/Quill 4" F



# MEDUSA



**Medusa** is a flushing device to be fixed on the steel suction pipe. At the same time it cleans bottom and walls of the manhole and sucks sediments. It can also be used for hydro excavation applications.



Part number	DN suction hose (mm)	HP hose inlet	Weight (kg)
<b>000D.080</b>	80 mm / 3"	1/2"(*)	3,0
<b>000D.100</b>	100 mm / 4 "	1/2"(*)	3,3
<b>000D.120</b>	120 mm / 5"	1/2"(*)	3,8
<b>000D.150</b>	150 mm / 6"	1/2"(*)	3,9
<b>000D.200</b>	200 mm / 8"	1/2"(*)	5,5

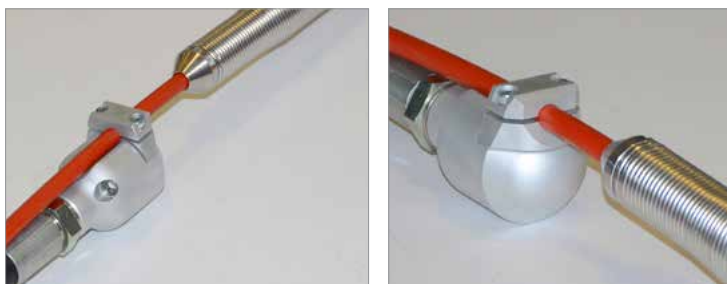
(\*) M or F available on request.

# THRUST NOZZLES

To be used between two sections of high pressure hose in order to increase thrust power.

Part Numbers	Item
<b>5532.08-01.SI</b> (*)	Thrust Nozzle, 3/4" F (IN) - 1/2" F (OUT), 8 x M6
<b>5533.08-02.SI</b> (*)	Thrust Nozzle, 1" F (IN), 1/2" F (OUT), 8 x M6
<b>5533.08-01.SI</b> (*)	Thrust Nozzle, 1" F (IN) - 1" F (OUT), 8 x M10x1
<b>5534.08-01.SI</b> (*)	Thrust Nozzle, 1" 1/4 F (IN) - 1" F (OUT), 8 x M10x1

(\*) Inserts have to be selected and ordered separately according to the combination of HP hose, nozzle (type, size and length) and configuration of the pump.



# THRUST NOZZLES

for push rod cameras

They make the progress of push cameras within pipelines smooth. 1/2" F inlet with M10 ceramic inserts. A selection of several adapters is available according to the thickness of the camera cable.

Part Number	Item
<b>5540.101-068</b>	Nozzle with adapter for DN 6,8 push rod
<b>5540.101-08</b>	Nozzle with adapter for DN 8 push rod
<b>5540.101-09</b>	Nozzle with adapter for DN 9 push rod
<b>5540.101-11</b>	Nozzle with adapter for DN 11 push rod
<b>5540.101-15</b>	Nozzle with adapter for DN 15 push rod

# ROTOJET

Nozzle with a rotating front jet at an extremely high speed. Three versions are available with a different pressure limit: 255, 310, 400 and 600 bar.

For each version several nozzles are available that differ for the orifice dimension, which corresponds to the flow (gpm), necessary to get a pressure of 276 bar. In order to select the proper orifice size it is recommended to check the table that you can download at [www.nuovacontec.com](http://www.nuovacontec.com)

In case you need to replace the internal rotation device you can order a specific repair kit.

Part Number (*)	Max Pressure (bar)	Thread	Equiv. Diam. (mm)	Flow (l/min)
75000.93/120	255	1/4" F	2,12	43
75000.92/060	310	1/4" F	1,5	28
75000.90/200	400	1/4" F	2,7	91
75000.96/080	600	1/4" F	1,7	45

(\*) Nozzles with different flow values are available upon request.



# FLUSHING NOZZLES

For lances or directly connected to a HP hose.

Part Number	Max Pressure (bar)	Thread	Ø x L (mm)	Weight (kg)	Orifice
3560.00	250	1/2" F	31x70	0,19	For insert 1/4" (*)
3560.60	250	3/4" F	32x80	0,27	5 mm
3560.70	250	1" F	40x95	0,39	5 mm

(\*) The insert is not included



3560.00 + insert 85506.xx and 3560.00 + fan jet nozzle

# FAN JET INSERTS

For lances and industrial plants.

15°	25°	40°	65°	Part Number	Thread	Equiv. DN mm	Nozzle Capacity at various pressure values (lpm)						
FBB	FBD	FBL	FBR				20 bar	30 bar	50 bar	70 bar	100 bar	150 bar	200 bar
	•	•		1460.C2	1/4" M	0,70	2,0	2,4	3,1	3,7	4,4	5,4	6,2
	•	•		1686.C2	1/4" M	1,12	3,0	3,6	4,7	4,7	6,6	8,1	9,3
				2103.C2	1/4" M	1,35	4,6	5,6	7,3	7,3	10,3	12,6	14,6
•	•	•	•	2116.C2	1/4" M	1,42	5,1	6,2	8,1	8,1	11,4	14,0	16,1
	•	•		2138.C2	1/4" M	1,54	6,1	7,4	9,6	11,4	13,6	16,7	19,2
•		•		2160.C2	1/4" M	1,66	7,2	8,8	11,3	13,4	16,0	19,6	22,6
		•		2181.C2	1/4" M	1,76	8,1	9,9	12,8	15,1	18,1	22,2	25,6
		•		2230.C2	1/4" M	1,98	10,1	12,4	16,0	16,0	22,6	27,7	32,0
		•		2341.C2	1/4" M	2,40	15,2	18,6	24,0	24,0	34,1	41,5	47,9

(\*) Inserts with other jet angles are available upon request.



# SPRAY GUNS AND LANCES



## 310 BAR SPRAY GUN

**3801.115-01**

Spray gun suitable for use up to 310 bar. No fluid passage upon trigger release. Zinc-plated insulated lance, with tip protector and nozzle holder.

Rated pressure (bar)	310
Allowed pressure (bar)	350
Rated flow rate (lt/min)	40
Rated temperature (°C)	160
<b>INLET</b>	
IN	3/8" F SWIVEL
OUT	1/4" F
Weight (kg)	0,75

## ACCESSORIES FOR SPRAY GUN W/SWIVEL

<b>3801.12-1200</b>	Molded lance 1200 mm, bent
<b>3801.12-900</b>	Molded lance 900 mm, bent
<b>3801.12-500</b>	Molded lance 500 mm, bent
<b>3802.500</b>	Vented lance, 500 mm, SS

## WASHING LANCE

**3804.720-01**

w/spray pattern adjustment

Rated pressure (bar)	250
Allowed pressure (bar)	280
Rated flow rate (lt/min)	45
Rated temperature (°C)	150
Inlet	1/2" F
Length (mm)	720
Weight (kg)	1.6



## LONG RANGE WASHING LANCE

**3804.700-01**

w/spray pattern adjustment

Rated pressure (bar)	60
Rated flow rate (lt/min)	45
Rated temperature (°C)	110
Inlet	1/2" M
Length (mm)	700
Weight (kg)	1.6





# COMPENSATED GUNS

<b>SS COMPENSATED SPRAY GUN</b> for large flow with minimum pressure drop	<b>3803.RL84</b>	<b>3803.RL204</b>
Rated pressure (bar)	500	200
Allowed pressure (bar)	560	220
Rated flow rate (lt/min)	80	200
Rated temperature (°C)	100	100
INLET	1/2" F	3/4" F
OUT	1/2" F	1/2" F
Weight (kg)	1,4	1,3

<b>ACCESSORIES FOR RL204</b>	
<b>3803.800RL204</b>	SS lance with handle, 800 mm
<b>3803.1250RL204</b>	SS lance with handle, 1200 mm
<b>3803.CP</b>	Shoulder rest



<b>SS COMPENSATED SPRAY GUN 400 bar</b>	<b>3803.NOVA400</b>
Rated pressure (bar)	400
Allowed pressure (bar)	440
Rated flow rate (lt/min)	40
Rated temperature (°C)	160
INLET	3/8" F
OUT	1/4" F
Weight (kg)	0,6

<b>ACCESSORIES FOR NOVA400</b>	
<b>3803.1200NOVA</b>	SS lance, 1200 mm



<b>SS COMPENSATED SPRAY GUN 600 bar</b>	<b>3803.RL600</b>
Rated pressure (bar)	600
Allowed pressure (bar)	660
Rated flow rate (lt/min)	60
Rated temperature (°C)	100
INLET	3/8" F
OUT	3/8" F
Weight (kg)	1,3

<b>ACCESSORIES FOR RL600</b>	
<b>3803.800RL600</b>	SS lance with handle, 800 mm
<b>3803.1200RL600</b>	SS lance with handle, 1200 mm
<b>3803.CP</b>	Shoulder rest



# SAVE HOSE DEVICES

Save hose devices protect the integrity of high pressure hoses, reducing friction with sharp edges. A regular and proper use reduces the risk of pipe bursting, increases safety for the operators and the equipment around the job site.

## LOWER GUIDE

It can be used in the lower part of the manhole, at the start of the pipeline. Robust and resistant, they are equipped with teflon wheels that make the scrolling of the hose easier. The open arches guide (5900.05A) can be used also when the cleaning operation has already started, with the pipe and the nozzle already inside the pipeline. 5 meters of rope are provided for each guide.

Part number	Description
<b>5900.05A</b>	Save hose device in SS with open arches for 3/4" and 1" hoses. Length.: 580 mm   Weight 4,1 kg
<b>5900.051</b>	Spare roller for 5900.05A
<b>5900.01</b>	Galvanized steel save hose device for 3/8" - 1/2" hoses. Length: 300 mm   Weight: 2,5 kg
<b>5900.011</b>	Spare roller for 5900.01
<b>5900.07</b>	Galvanized steel save hose device for 1" - 1 1/4 hoses Length.: 590 mm   Weight 8,6 kg
<b>5900.071</b>	Spare roller for 5900.07

## TIGER TAIL

This 90 cm long flexible guide can be used either in the lower or upper part of the manhole. Available in different sizes (DN50/80/100) and materials (smooth or rugged PVC) to better adapt to the size and type of HP hose. They can also be used to protect CCTV camera cables. 5 meters of rope are provided for each guide.

Part number	Description
<b>5900.10</b>	Tiger tail 4"/DN50 for 1/2" and 3/4" hoses
<b>5900.15</b>	Tiger tail 3"/DN80 for 3/4" and 1" hoses
<b>5900.20</b>	Tiger tail 3"/DN80 (rugged)
<b>5900.25</b>	Tiger tail 4"/DN100 for hoses up to 1 1/4"

## UPPER GUIDE

It can be used when the reel of the sewer cleaning vehicle is not placed over the manhole. Made with galvanized steel with red plastic wheel.

Part number	Description
<b>5300.01B</b>	Upper save-hose guide
<b>5300.201</b>	Spare roller for 5300.01B



5900.05A

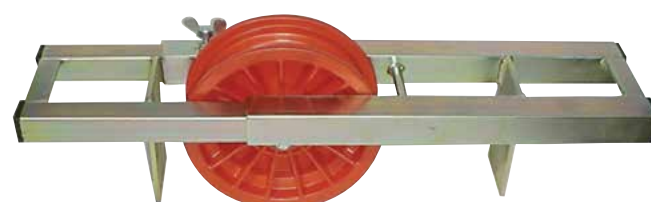


5900.07

5900.01



Tiger Tail Guides



5300.01B



## MAGNETIC KEY

with hook and hammer



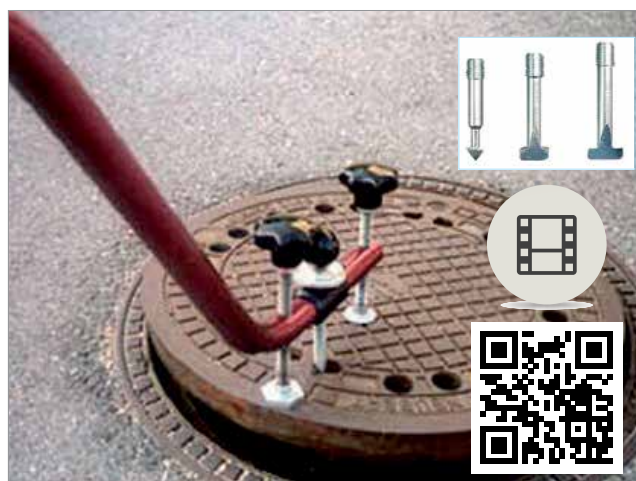
5400.25-01

Manhole Key STRONG (130 kg)

5400.25-02

Manhole Key SUPER STRONG (180 kg)

## MANHOLE COVER HOOKS



5400.047I

Alzatombini Titan-Alu

5400.00

Kit di 3 ganci per Titan-Alu

## MANHOLE COVER DETECTOR



2000.50

Metal detector CS880

2000.50-5

Carrying Case

## WARNING SIGNS



9304.03-00 Pyramid h. 70 cm

9304.03-01 Pyramid h. 90 cm

9304.03-02 Pyramid h. 70 cm

9304.03-03 Pyramid h. 90 cm

9304.03-04 Pyramid h. 70 cm,

3 x 

 +  + 

3 x 

## EMERGENCY LED



The most practical, innovative and creative solution to properly report roadworks, checkpoints, car accidents, emergency stops.

They are provided in a resistant plastic case that can include 6 lights, that can be easily recharged together.



9301.50-01

Emergency LED Kit (Orange)

9301.50-02

Emergency LED Kit (blue)

## STRAIGHT ROTATING SWIVEL

For heavy and balanced nozzles, centralizers, spray guns.

Part No.	Inlet	Max Pressure (bar)	RPM
5030.06A	1/4"	400	6
5030.10A	3/8"	400	6
5030.15A	1/2"	300	6
5030.20A	3/4"	300	6
5030.25A	1"	300	6
5030.32A	1" 1/4	250	6
5030.38A	1" 1/2	200	6



## 90° ROTATING SWIVEL

For intermittent rotations, or at medium/low speed.

Part Numbers	Inlet	Max Pressure (bar)
5035.10A	3/8"	210
5035.15A	1/2"	210
5035.20A	3/4"	210
5035.25A	1"	210
5035.32A	1" 1/2	180



## ROTARY SWIVELS FOR HOSE REELS

Straight and 90°, Stainless Steel



5040.32A



Giunti a 90°

	1/2"	3/4"	1"	1" 1/4
Maximum Working Pressure (bar)	400	400	400	400
Maximum Speed (rpm)	95	64	48	40

Part Numbers:

Swivel M/M	5040.15AM		5040.25AM	5040.32AM <sup>(*)</sup>
Swivel M/F		5040.20A	5040.25A	
90° Swivel F/F		5041.20A		
90° Swivel M/F			5041.25A	5041.32A <sup>(*)</sup>
Seal kit	5040.00-01	5040.00-02	5040.00-03	5040.00-04

(\*) with greaser

# MINIJET KIT HOSES

Three types of hoses are available to clean domestic or industrial discharges up to DN100 sized either 3/16" or 1/4" with the standard lengths of 10, 15 or 20 mt:

- thermoplastic;
- rubber hoses;
- with external metal braid.

They can be connected with a nozzle directly at the hose (A), either with a 1/8" M (B) or 1/4" M thread (C, only for 1/4" hoses).

From the reel side the standard connection is 1/4" F swivel. Upon request the hoses can be delivered with 1/2" M or F connection.

The ferrules of the front fitting are shorter compared to the standard ones, in order to facilitate the hose to go through bends.



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Part Numbers	Internal Diameter (inches)	Working Pressure (bar)	Ext. Diameter (mm)	Bending Radius (mm)	Weight (g/mt)	Max Temperature (° C)
<b>THERMOPLASTIC HOSES, with one synthetic fiber braid</b>						
<b>5913.15B</b>	3/16"	175	8,5	25	45	+60
<b>5914.20B</b>	1/4"	175	10,6	40	65	+60
<b>5917.20B</b>	1/4"	210	12,2	35	100	+90
<b>RUBBER HOSES, with one internal metal braid</b>						
<b>5995.15B</b>	3/16"	120	9,1	20	90	+60
<b>5996.20B</b>	1/4"	120	11,0	25	120	+60
<b>PTFE HOSES, with external metal braid</b>						
<b>5926.15B</b>	3/16"	210	8,0	35	90	+260 <sup>(*)</sup>
<b>5927.20B</b>	1/4"	175	9,2	45	90	+260 <sup>(*)</sup>

(\*) The high thermal resistance value make these hoses particularly suitable for hydropneumatic applications.

# ACCESSORIES AND FITTINGS

HOSE		NOZZLE					REEL			
Hose code	ID	Nozzle w/HF <sup>(1)</sup>	Nozzle w/HF w/FJ <sup>(2)</sup>	1/8" M thread	1/4" M thread	Short ferrule	Standard ferrule	1/4" F thread	1/2" M thread	1/2" F thread
		A		B	C				2M	2F
5913.__	3/16"	<b>5500.01</b>	<b>5500.01A</b>	<b>5911.04</b>	n/a	<b>5912.05B</b>	<b>4303.01B</b>	<b>4305.00F</b>	<b>4105.04M</b>	n/a
5914.__	1/4"	<b>5500.012</b>	<b>5500.012A</b>	<b>5911.05B</b>	<b>5911.055</b>	<b>5912.06C</b>	<b>5912.06</b>	<b>4105.01F</b>	<b>4105.05M</b>	<b>4105.05F</b>
5917.__	1/4"	<b>5500.012</b>	<b>5500.012A</b>	<b>5911.05B</b>	<b>5911.055</b>	<b>5912.06C</b>	<b>5912.06</b>	<b>4105.01F</b>	<b>4105.05M</b>	<b>4105.05F</b>
5995.__	3/16"	<b>5500.01</b>	<b>5500.01A</b>	<b>5911.04</b>	n/a	<b>5912.20</b>	<b>5912.10</b>	<b>4104.01F</b>	<b>4105.04M</b>	n/a
5996.__	1/4"	<b>5500.012</b>	<b>5500.012A</b>	<b>5911.05B</b>	<b>5911.055</b>	<b>5912.21</b>	<b>5912.11</b>	<b>4104.02F</b>	<b>4104.02-01</b>	<b>4104.02F-01</b>
5926.__	3/16"	<b>5500.01</b>	<b>5500.01A</b>	<b>5911.04</b>	n/a	<b>5912.05B</b>	<b>4303.02B</b>	<b>4305.00F</b>	<b>4105.04M</b>	n/a
5927.__	1/4"	<b>5500.012</b>	<b>5500.012A</b>	<b>5911.05B</b>	<b>5911.055</b>	<b>5912.06B</b>	<b>4305.12B</b>	<b>4105.01F</b>	<b>4105.05M</b>	<b>4105.05F</b>

(1) Nozzle w/hose fitting

(2) Nozzle w/hose fitting w/front jet



### Quick couplings for pressure washer

Part number	Description
<b>3800.14M</b>	Quick coupling - 1/4" M
<b>3800.14F</b>	Quick coupling - 1/4" F
<b>3800.12M</b>	Quick coupling - 1/2" M
<b>3800.12F</b>	Quick coupling - 1/2" F

# INSERTI



## INSERTS WITH HEXAGONAL INTERNAL HEAD

MATERIAL	STEEL				CERAMIC			
	Size	M4	M6	M6	M8	M10	M10x1	M12
	0.60	85990.060 (*)	85992.060 (*)	85993.06				
	0.80	85990.080 (*)	85992.080 (*)	85993.08	85994.08			
	1.00	85990.10 (*)	85992.10 (*)	85993.10	85994.10	85995.10	85997.10	85996.10
	1.20	85990.12 (*)	85992.12 (*)	85993.12	85994.12	85995.12	85997.12	85996.12
	1.40	85990.14 (*)	85992.14 (*)	85993.14	85994.14	85995.14	85997.14	85996.14
	1.60	85990.16 (*)	85992.16 (*)	85993.16	85994.16	85995.16	85997.16	85996.16
	1.80	85990.18 (*)	85992.18 (*)	85993.18	85994.18	85995.18	85997.18	85996.18
	2.00		85992.20 (*)	85993.20	85991.20	85995.20	85997.20	85996.20
	2.20		85992.22 (*)	85993.22	85994.22	85995.22	85997.22	85996.22
	2.40		85992.24 (*)	85993.24	85994.24	85995.24	85997.24	85996.24
	2.60		85992.26 (*)	85993.26	85994.26	85995.26	85997.26	85996.26
	2.80		85992.28 (*)			85995.28	85997.28	85996.28
	3.00		85992.30 (*)					
	3.10					85995.31	85997.31	85996.31
	3.40					85995.34	85997.34	85996.34
	4.00					85995.40	85997.40	85996.40
<b>PLUG (*)</b>		<b>85990.00</b>	<b>85992.00</b>	<b>85992.00</b>	<b>85994.00</b>	<b>85995.00</b>	<b>85997.00</b>	<b>85996.00</b>
Key		B2	B3	B3	B4	B5	B5	B6

(\*) 10 pcs



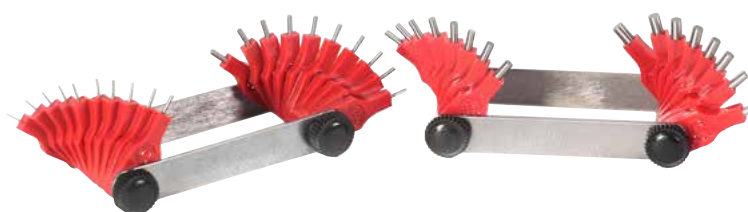
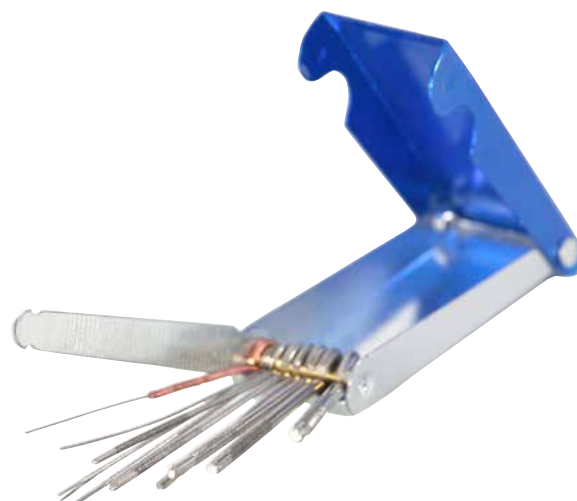
## INSERTS WITH HEXAGONAL EXTERNAL HEAD

**NEW!**

MATERIAL	CERAMIC	CERAMIC	CERAMIC	CARBIDE	
	DN foro (mm)	M6	M10x1	1/4"	M10x1
	0.60	85511.06			
	0.80	85511.08			
	1.00	85511.10	85510.10	85506.10	85510.W10
	1.20	85511.12	85510.12	85506.12	85510.W12
	1.40	85511.14	85510.14	85506.14	85510.W14
	1.60	85511.16	85510.16	85506.16	85510.W16
	1.80	85511.18	85510.18	85506.18	85510.W18
	2.00	85511.20	85510.20	85506.20	85510.W20
	2.20	85511.22	85510.22	85506.22	85510.W22
	2.40	85511.24	85510.24	85506.24	85510.W24
	2.60	85511.26	85510.26	85506.26	85510.W26
	2.80		85510.28	85506.28	85510.W28
	3.10		85510.31	85506.31	85510.W31
	3.40		85510.34	85506.34	85510.W34
	4.00		85510.40	85506.40	85510.W40
<b>PLUGS</b>		<b>85511.00</b>	<b>85510.00</b>	<b>85506.00</b>	<b>85510.00</b>
Key size		6 mm	10 mm	14 mm	10 mm

# ACCESSORIES FOR INSERTS

Part numbers	Description
<b>Cleaning and measuring sets</b>	
<b>85500.600</b>	Tip cleaning set
<b>85500.605-1</b>	Orifices measuring kit 0,45 - 1,50 mm
<b>85500.605-2</b>	Orifices measuring kit 1,50 - 3,00 mm
<b>Keys for inner hexagonal inserts</b>	
<b>85500.510L</b>	Hexagonal L key 2 mm (B2) for M4
<b>85500.510</b>	Hexagonal T key 2 mm (B2) for M4
<b>85500.512L</b>	Hexagonal L key 3 mm (B3) for M6
<b>85500.512</b>	Hexagonal T key 3 mm (B3) for M6
<b>85500.514L</b>	Hexagonal L key 4 mm (B4) for M8
<b>85500.514</b>	Hexagonal T key 4 mm (B4) for M8
<b>85500.516L</b>	Hexagonal L key 5 mm (B5) for M10
<b>85500.516</b>	Hexagonal T key 5 mm (B5) for M10
<b>85500.517L</b>	Hexagonal L key 6 mm (B6) for M12
<b>85500.517</b>	Hexagonal T key 6 mm (B6) for M12
<b>85500.518</b>	Hexagonal L key 3/16" for ODP inserts
<b>Keys for outer hexagonal inserts</b>	
<b>85500.506-03</b>	Tubular box wrench (6 mm) for TE M6
<b>85500.506-01</b>	Tubular box wrench (10 mm) for TE M10
<b>85500.501</b>	Tubular box wrench (14 mm) for TE 1/4" inserts
<b>85500.505</b>	Hexagonal socket 1/4" for M10x1 (10 mm)
<b>85500.500</b>	Hexagonal socket 1/2" for TE 1/4"
<b>85500.503</b>	Hexagonal socket 3/8" for AP2 inserts
<b>Containers</b>	
<b>VAL.11-001</b>	Twistpack (D.35x80)
<b>VAL.11-002</b>	Twistpack (D.50x80)
<b>VAL.2</b>	Plastic container (6 compartments)



Orifices measuring kit



Hexagonal L keys



Tubular box wrench



Container for inserts



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