



## DESCRIPTION

1/2" F breakthrough nozzles with high impact front jets with controlled rotation.

## MAIN FEATURES

The Warthog WS 1/2" nozzles are designed for use in pipes between DN100 and 200 mm and are commonly used with secondary purge truck reels or compact jetters.

Due to their ability to easily remove grease and roots, they are the optimal solution for cleaning and flushing drains in restaurants, hospitals, residences and campsites.

Three versions are available:

- With 1/2" F fitting to connect the high-pressure hose directly to the nozzle;
- With a 60 cm pipe section, which allows for easier passage of bends in smaller pipes;
- With pipe section and articulated joint for easier use in technical bends from DN100.

It is possible to have the nozzles with different jet configurations:

- Standard configuration with rear jets and front jet (15° inclination) for breaking through obstructions;
- Descaling configuration with rear jets and radial jets (85°) for more aggressive washing against pipe walls.

We recommend the use of cage-guided nozzles for more effective use in 200 mm diameter pipes and to protect the nozzles themselves against shocks that could lead to premature wear of the shaft and internal seals in the long run. For regular maintenance, use maintenance and overhaul kits with original spare parts.

## RECOMMENDATIONS

For effective and efficient operation, the nozzles must be specially configured (with regard to the size of individual holes), depending on the characteristics of the pump (flow rate and pressure) and the cross-section, length and type of high-pressure hose. This information must be provided by the customer at the time of order and must be compatible with the technical specifications of each individual nozzle.

The operator must choose a working pressure compatible with the pipeline conditions: high working pressure values could cause structural damage to the pipe walls.

## TECHNICAL SPECIFICATIONS

<b>Inlet:</b>	1/2"	1/2"
<b>Pressure Range:</b>	85 - 345 bar	85 - 345 bar
<b>Flow Range:</b>	34 - 80 l/min	34 - 80l/min
<b>Working DN:</b>	100 - 200 mm	100 - 200 mm
<b>Head:</b>	Standard	DS
<b>Inserts:</b>	1 x AP2 @15° (avanti) 2 x AP2 @ 30° (dietro)	1 x AP2 @15° (avanti) 2 x AP2 @30° (dietro) 2 x AP2 @85° (radiali)
<b>Length:</b>	112 mm	112 mm
<b>Diameter:</b>	48 mm	48 mm
<b>Weight:</b>	1,33 kg	1,33 kg
<b>Max Pressure:</b>	345 bar	345 bar
<b>Recycling Water:</b>	No	No
<b>Maintenance Intervals:</b>	40 - 50 hr	40 - 50 hr
<b>Part Numbers:</b>		
<i>With 1/2" F joint:</i>	<b>75000.50D</b>	<b>75000.50KD</b>
<i>With flexible hose:</i>	<b>75000.50B</b>	
<i>With flexible hose and joint:</i>	<b>75000.50J</b>	

## MAINTENANCE KIT

<b>ST.WS600</b>	Maintenance Kit for Warthog WS 1/2" F
<b>ST.WS610</b>	Overhaul Kit for Warthog WS 1/2" F

## CENTRALIZERS

<b>5370.05</b>	Centralizer DN120 for Warthog WS 1/2" F
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