REACTION DRIVE
The washing action is obtained through water jets coming from a rotating head, where the head motion is obtained purely through reaction force originated by the fluid jets being ejected.

The operating pressure influences the head rotation speed, which must be limited to avoid the water jets being broken into minute droplets and losing part of their impact force.

These devices perform very satisfactorily in a great number of general applications, where the products to be washed away do not originate severe problems and with limited size tanks.

To cope with the large variety of industrial applications we offer heads made out completely of stainless steel, out of PTFE, PVDF or a mix of those materials.

Connections are obtained through female thread or easy to clean clip fix slip-on pipe.

MOTOR DRIVE
A further step in performance with one axis heads performance is obtained with a design where a very simple friction motor provides for low speed rotating head.

This design offers a remarkable advantage because of the lower rotation velocity: the jets remain coherent without being broken into droplets by centrifugal force and all of their impact energy can be transferred to the tank surface.

SPRAY ANGLES
All the spray angle values given in this catalog are to be understood for heads hanging from the tank top and spraying downwards.

Therefore the definitions of Up and Down assigned to a given spray angle of a tankwasher always refer to the same direction as the upper and lower part of the tank, when the tankwasher is located at the tank top.

See the diagrams beside for reference.

CONNECTION DIMENSIONS
Tankwashers are often requested with a clip connection for quick disassembly and for easy cleaning of the components. They are also available with a weld connection.

Our standard dimensions for these two popular designs are given at page 22.