

# Eternal youth 200



*quattro*



**DULEVO**  
INTERNATIONAL

COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
ISO 9001

# Super-compact in and around the city

... alleyways included



## It gets everywhere

If rubbish is not within the brushes' reach, the Dulevo 200 *quattro* offers the possibility to use a powerful refuse suction pipe.

During this operation the exclusive Dulevo filter system continues to capture even the finest particles and emits only perfectly clean air into the surrounding environment.

## Manoeuvrability

The compact size and tight turning circle make the Dulevo 200 *quattro* the ideal machine in any situation where the space is limited.



# 200 *quattro*

## So compact yet so large!

CE



#### SWEEPING WIDTHS:

- MAIN BROOM ONLY	mm	1.300
- WITH RIGHT HAND SIDE BROOM	mm	1.700
- WITH RIGHT AND LEFT HAND SIDE BROOMS	mm	2.100
- WITH SIDE AND FRONT EXTENDABLE BROOMS	mm	2.600

WASTE HOPPER VOLUME m 2,5

WATER TANK VOLUME l 400

MAXIMUM DUMP HEIGHT mm 1.600

MAXIMUM SPEED Km/h 30

UNLADEN WEIGHT Kg 4.000

TOTAL WEIGHT Kg 6.000

HOMOLOGATED PAYLOAD Kg 2.000

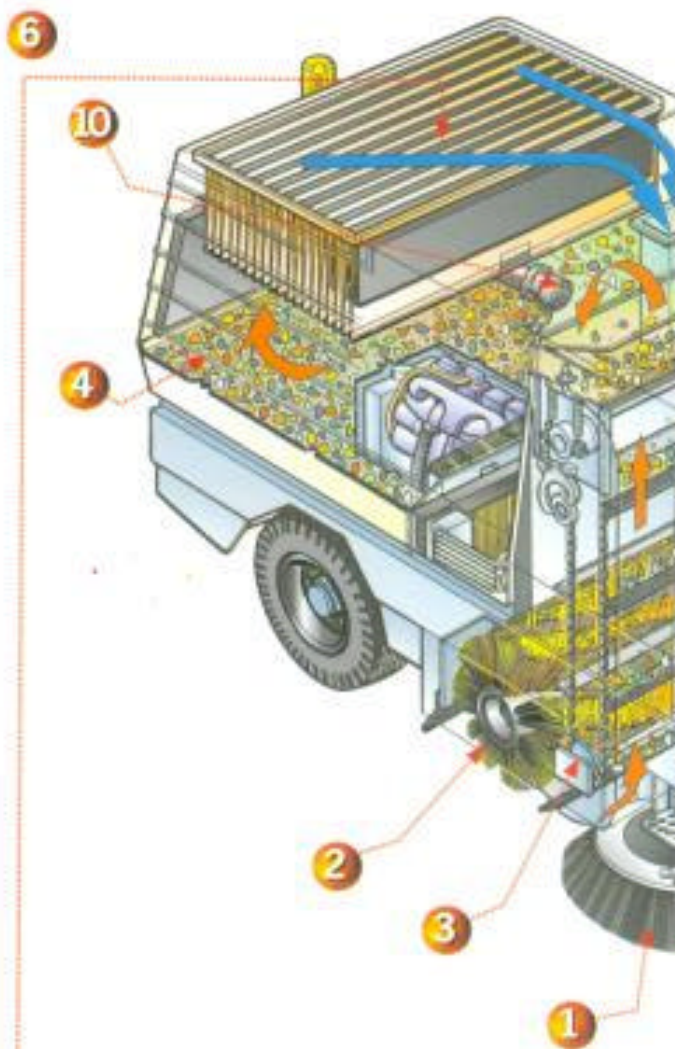
ENGINE: MWE VW 494 01A/15 (EURO 2)

POWER 59kW(79HP)@ 2.600rpm

FUEL diesel

SERVICE BRAKE hydraulic

PARKING BRAKE mechanical

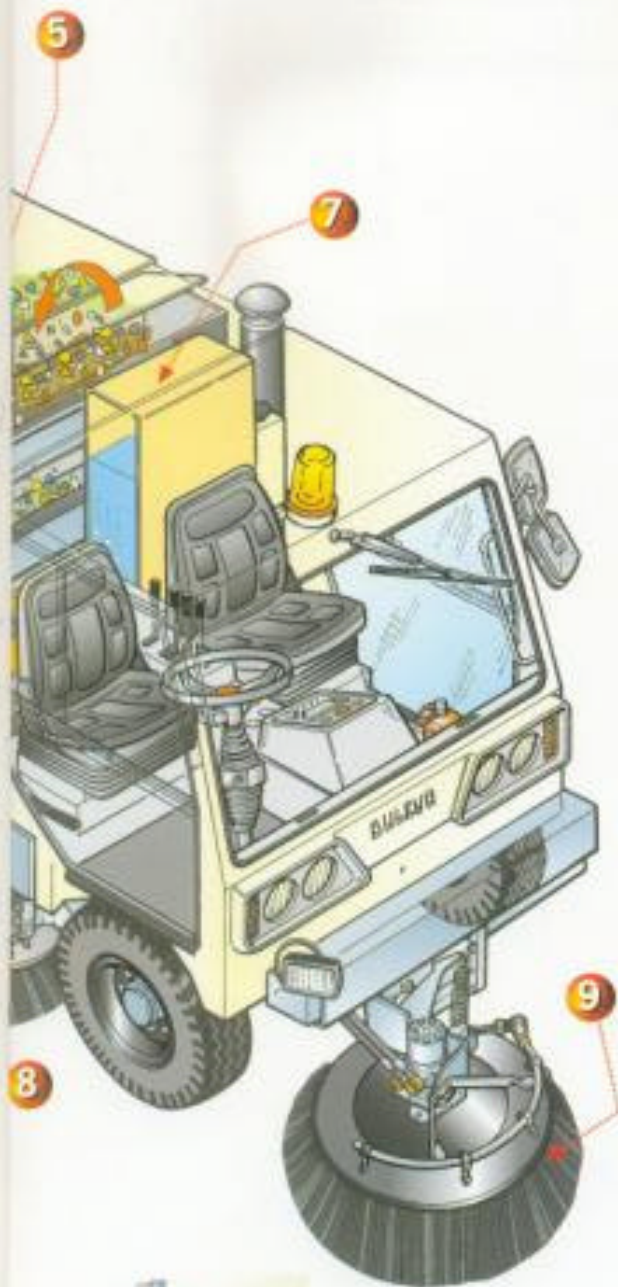


### Dust Control Filter

The **DUST FILTER** 5 has a large surface area of over 19m<sup>2</sup> which allows long working periods without the danger of becoming clogged.

The **DULEVO** filter is manufactured from a rot proof polyester (73%) and cotton (27%) fabric, is practically indestructible and ensures filtration of even the finest and impalpable dusts. The filtration system also includes an effective **FILTER SHAKER** 10 controlled directly from the driver's position. Operated hydraulically before dumping the hopper, the filter shaker vigorously strikes the metal filter tensioning rods, shaking the elements in all directions, and ensuring the complete separation of the dust from the fabric. The loosened dust then falls inside the hopper.

The Dulevo 200 quattro is a technological gem which offers everything that could possibly be expected from a cleaning machine. Its very high performance and its respect for the environment are the results of an uncompromising commitment to technology.



## The combined mechanical-vacuum system

The collection system starts with one or more **SIDE BRUSHES** (1) which transfer dust and debris into the centre of the machine where a large diameter **CYLINDRICAL MAIN BRUSH** (2) throws everything forward onto a high speed **VERTICAL CONVEYOR** (3).

The conveyor in turn transfers the collected materials into the top of the **WASTE HOPPER** (4), thereby optimising the load capacity of the vehicle.

The waste hopper, built from AISI 304 stainless steel, is equipped with a totally hydraulic dumping system which allows emptying at a height of between 800 and 1600 mm. (SA version).

The dust lifted by the main brush during its mechanical working phase is drawn into the hopper by the vacuum created in the hopper by a powerful **VACUUM FAN** (5). The reduced fan dimension and its position minimise the suction noise even at maximum speed.

The Dulevo patented **DUST FILTER** (6) system, made from polyester-cotton fabric, traps the finest dust and completes the sweeping cycle ensuring that only clean air is exhausted into the environment.

The side brushes which are positioned outside the vacuum system, only require a small quantity of water sprayed onto them to control the dust.

The water spray system consists of a fibreglass **WATER TANK** (7) which, via a membrane pump, sends water to the **NOZZLES** (8) positioned near the side brushes and the **FRONT EXTENDING BRUSH** (8).

The 200 quattro is equipped with hydrostatic transmission on the rear wheels.

## Main cylindrical brush

The **MAIN BRUSH** assembly (2) is suspended from its central point and perfectly balanced, this allows it to "float" and therefore to follow the road surface whatever the conditions.

The ground pressure is adjustable and kept constant thanks to an efficient hydraulic system that allows the brush to "read" the surfaces' configuration. This system is particularly efficient for uneven surfaces.

## Extending front brush

The **EXTENDING FRONT BRUSH** (8) ensures efficient cleaning of side walks and difficult to reach areas not normally accessible with the normal side brushes. The brush movement is operated by a joystick placed on the cab door, in a position that avoids distracting the operator whilst driving.

The front brush is hydraulically adjustable to obtain optimum performance.

In case of impact, efficient magnetic sensors operate the withdrawal of the brush, which is also fitted with additional mechanical protection against damage.