



COMBI washing machine

For all kinds of root and tuber vegetables



- Operation possible as bath or spray washer
- High washing performance
- Fast emptying of product allows fast grade changes
- Geometry of holes and conveying and cleaning elements adapted to crop to be washed
- Gentle product processing
- Solid construction

Type COMBI 900 potatoes

Barrel diameter	0.9 m
Barrel length	2 m, 3 m
Throughput	10 t/h

Type COMBI 1.200 potatoes

Barrel diameter	1.2 m
Barrel length	3 m, 4 m, 5 m
Throughput (smallest barrel)	25-30 t/h
Throughput (larger barrels)	30-35 t/h

Type COMBI 1.600 potatoes

Barrel diameter	1.6 m
Barrel length	4 m, 5 m, 6 m
Throughput	40-50 t/h

Barrel with round holes and turbulence paddles.

Type COMBI 900 carrots

Barrel diameter	0.9 m
Barrel length	3 m, 4 m, 5 m
Throughput	4-7 t/h

Type COMBI 1.200 carrots

Barrel diameter	1.2 m
Barrel length	4 m, 5 m,
Throughput	7-12 t/h

Type COMBI 1.600 carrots

Barrel diameter	1.6 m
Barrel length	4 m, 5 m, 6 m
Throughput	10-15 t/h

Barrel with elongated holes and turbulence fins.

Throughput may vary considerably depending on soiling and the clay content of the soil.

COMBI washing machine

The COMBI washers are the best equipped, most versatile and high performance washers in the Schneider portfolio. The COMBI can be used either for spray washing with maximum washing performance or as bath washer with maximum product protection. The COMBI is designed as a self-supporting, sturdy sheet metal construction with slanted metal-sheet floor panels and inclination up to three sediment funnels with sludge gates. The axis and spoke-free barrel is made of hot-dip galvanized steel and suspended from several V-belts from two drive shafts running lengthwise to the machine. Each drive shaft is equipped with direct drive and a gear motor to reduce wear and tear.

Depending on the type of crop to be washed, the barrel is available in two designs. Barrels with round holes and turbulence paddles are used for potatoes. Barrels with elongated holes and turbulence fins are used for carrots, beetroot and celery. The edges of the holes are bent outwards to prevent the crop from coming into contact with sharp hole edges. This ensures maximum washing efficiency at optimal product protection for each area of application. A spray pipe mounted lengthwise to the washer barrel allows washing with recycled process water or fresh water.

In bath mode, feeding water via the spray pipes can be completely dispensed. A fresh water spraying at the outlet conveyor is then sufficient to maintain the water level in the washer. This keeps water consumption to a minimum. An adjustable overflow allows infinite height adjustment of the water bath.

Regardless of the operating mode, an electrically adjustable round outlet enables adaptation to the produce to be washed, i.e. for difficult to wash soils, the filling volume can be increased by raising the slide gate to allow longer treatment of the individual crop. The machine is only suitable for continuous operation and not suitable for batch operation. The round outlet, which can be opened completely, ensures fast emptying of the washer barrel, thus allowing fast changes of varieties. The sludge gates are positioned at the end of the sediment funnels. These are connected pneumatically to the time control as standard, so that de-sludging takes place automatically during operation. The machine is equipped with height-adjustable legs.

The output belt consists of round rods made of spring steel which are riveted to an endless belt at both ends. The rods are rubber-coated or fitted with T-studs to discharge the field crops. A central, adjustable spray unit is mounted above. The spray water flows back into the washer.

Accessories and special version

- Rinsing pipe at the feed-in funnel
- Housing and barrel made of stainless steel