



Technical Specification

Bucher Municipal Cityflex 204

TANK

Volume	4 m ³ . Approved for respectively 0.5 bar positive pressure and 80% vacuum according to EU directive 97/23/EC, article 3.3.
Movable partition	<p>The tank is equipped with a movable partition. The partition divides the tank into two compartments of flexible size.</p> <p>A ram moves the partition hydraulically. An air-pressurised gasket is fitted in the partition to ensure that the sludge is kept separate from the water. The pressure in the gasket is controlled from the control panel.</p>
End cover	A fully automatic end cover hydraulically operated.
Ball valves	<p>One 3" top suction valve pneumatically operated and one 4" bottom suction valve, manually operated. Inside the tank, the top suction valve is fitted with a vertical pipe, which takes the incoming sludge to the top of the tank. Both valves are equipped with Bauer-couplings for suction hoses.</p> <p>The top suction valve is fitted with decanting pipe.</p>
Sloped tray	Light material and water is emptied through the bottom valve by pressurising the sludge compartment. Heavy material is emptied through the open-end cover by means of the partition pushing out the material onto the sloped tray.
Tank level indicators	<p>A sludge level indicator with pointer. The pointer is connected to a float ball placed in the end of the sludge compartment.</p> <p>A water level indicator made of a transparent hose. A red ball in the hose indicates the water level.</p>

HIGH-PRESSURE UNIT

Type	URACA P3-10
Capacity	127 litres per minute at 160 bar Control of pressure and flow from the control panel.
Hose reels	One hydraulically operated hose reel with 50 m $\frac{3}{4}$ " and 60 m $\frac{1}{2}$ " jetting hose, mounted at the rear of the unit.

Protection of pump A water filter mounted on the suction side of the pump protects the pump.

The pump is automatically switched off when the amount of water in the tank is reduced to approx. 250 litres.

Water filling The water filling pipe is mounted with an “air gap” on the side of the tank and equipped with a ball valve, coupling ends direction downwards.

Dump valve Dump valve

VACUUM UNIT

Type Jurop RV 360 Air cooled

Capacity 10200 litres a minute at free flow
9400 litres per minute at 60 % vacuum
Max 90 % vacuum

Protection of compressor A filter unit in the pipe system protects the compressor. A mechanical float valve placed in the top of the end cover prevents the sludge from entering the compressor in case of the tank being full.

Transport reel Hydraulic transport hose reel equipped with 30m of 3” suction hose, with 3” TW-couplings.

TRANSMISSION

Auxiliary hydraulics For powering of vacuum pump, water pump, end cover, hose reel and share boost, that insures high vacuum pump revolutions at low engine revolutions.

Cooling system The hydraulic system is fitted with an extra cooling system, which ensures continuous operation under warm conditions.

CONTROL

Control panels 1 – control panel mounted on the jetting hose reel at the rear, where all functions are operated.

Pneumatics PTO, partition seal, and bottom outlet.

Remote	remote control
Output in cab	12 volt supply in the cap
Converter	Converter for CCTV system 24 Volt to 12 Volt

LIGHTS AND REFLECTORS

Work lamps	3 - work lamps.
Beacon light	3 - rotating beacons.
Sidelights	4 - sidelights with built-in reflectors.
Reflectors	Reflector bar and reflectors rear.
Grills	Protection over rear lights

CABINETS AND SHELVES

Cabinets	1 – plastic tool cabinets, one mounted on each side at the rear, with lockable covers. 1 – cone holder 1 – large aluminium tool cabinet, mounted on the left hand side of the unit, painted, with lockable covers. 1 – medium size tool cabinet High spec factory fitted hot water hand wash system
Shelves	1 – aluminium tool shelf, with lockable cover, mounted on the right hand side of the unit. 1 – aluminium tool shelf mounted on the left hand side of the unit above the cabinet. The tool shelves are painted.
Roof box	Open box for storage on top of the tank

ACCESSORIES

Nozzle	ENZ – nozzle set ½”
Hose	1,75 meters 4” hose

CHASSIS

Type Scania P250DB4x2HNB EURO 5, ADR compliant supplied by J. Hvidtved Larsen A/S

FINISH

Undercarriage Colour: Grey

Cabin Colour: Light Ivory White

Tank Colour: Light Ivory White

Sign plates One aluminium sign plate on each side of the tank.

Text and striping Possible text and striping will be invoiced separately.

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The current Bucher international locations.

