

DeltaSolo Compact MVP

Fully automatic, ready-to-connect package single-pump pressure booster system with continuously variable speed control. To DIN 1988-500.

Function:

Pressure booster system with continuously variable speed control for adjustable constant supply pressure in drinking water applications. The system is started and stopped as a function of pressure.

Features:

- Horizontal Cameo high-pressure centrifugal pump with wetted parts made of stainless steel
- KSB IE3 motor (≥ 0.75 kW)
- Motor-mounted frequency inverter
- Check valve integrated in the pump discharge nozzle
- 8-litre membrane-type accumulator equipped with Flowjet flow through valve; accumulator fitted on the discharge side, with shut-off valve and drain valve
- Pressure sensor for controlling supply pressure
- Pressure gauge for pressure indication
- Powder-coated baseplate
- 1.5-metre power cable with shockproof plug
- All components mounted on one baseplate
- Foot set for height compensation for installation on uneven surfaces

Pump data:

- Fluid handled:
- Fluid temperature: max. 60 degrees Celsius
- Connection type:
- Pump connection: 1
- Number of stages:
- Stand-by pump: no
- Pump flow rate:
- Pump head:
- Inlet pressure min.:
- Pump head at $Q = 0$:
- Nominal pressure of the system: PN 10

Operating data of the system:

- Total flow rate
- Start-up pressure
- Discharge pressure / setpoint:
- Discharge pressure at $Q = 0$:

Motor/electronics:

- International Efficiency (IE): IE3 ≥ 0.75 kW
- Power supply 1~ 230 V, 50 Hz
- Power input P1 per pump:
- Nominal speed:
- Current input max.:
- Enclosure: IP55

Monitoring / open-loop control / closed-loop control:

- Energy-efficient continuously variable speed control by frequency inverter
- Integrated electronic dry running protection

Communication / interfaces:

- Control panel with function keys
- LEDs for function and fault indication
- 1 volt-free digital input for external dry running protection

Materials:

- Pump: wetted components made of stainless steel
- Piping: stainless steel
- Valves: brass and stainless steel, suitable for drinking water
- Baseplate: steel, powder-coated

Certification:

The system is suitable for drinking water. It is certified to ACS (France) and WRAS (United Kingdom). All components and materials are approved by DVGW.

The metal materials are included in the positive list of approved metal materials by the German Environment Agency (UBA).

Pressure booster systems are subjected to hydraulic testing with sterile water at the factory; they are closed after testing. During the test KSB continuously monitors the test water quality. Test certificate available on request.

Dimensions and connections:

- Suction side and discharge side:
- Dimensions L x W x H:

Purchase order information:

- Make: KSB
- Type series: DeltaSolo Compact MVP
- Material price group: FD

Material number:**Please note:**

Prior to commissioning in drinking water applications the system has to be flushed at the site in accordance with the requirements of the German TrinkwV drinking water ordinance and of DIN EN 806 (to prevent microbial contamination).

This also applies if the system has been at standstill for a prolonged period of time.

Typical tender for DeltaSolo Compact MVP

1983.551/05-EN

Subject to technical modification without prior notice

06 September 2022