



CBU142

Compact Booster Unit - single pump

To ensure the quality of drinking water according to EN 1717

APPLICATION

Fully automatic, ready-for-connection compact booster unit in modulating installation consisting of a tank, free outlet Typ AB and vertical high pump head.

For separation of drinking water and liquids of category 5 according to EN 1717.

The modular design makes it possible to disconnect modules for installation in buildings with limited space.

The membrane pressure vessel approved for drinking water positioned on the pressure side as control tank, direct flow in accordance with DIN 4807-5.

SPECIAL FEATURES

- Corrosion resistant by use of high-quality stainless steel
- Compact design, space-saving
- Highest protection level for category 5 fluids
- Easy and quick commissioning because of pre-assembled, ready for installation and tested unit
- No risk of microbial contamination due to hygienic separation of drinking water from non-drinking water
- Hygienically non-hazardous materials acc. UBA, KTW and W270
- Design base plate
- Switch on is pressure-dependent, Switch off is flow-dependent
- Visualisation of functions/disturbance by LED's
- Reset-function



TECHNICAL DATA

Media	
Medium:	Industrial water Cooling water Liquids which do not attack the materials chemically and mechanically. max. +30 °C
Flow rate:	up to 8 m ³ /h, 2,22 l/s
Max. pumping head:	76 m
Connections/Sizes	
Connection sizes:	G 1 1/4" - R 1 1/4"
Pressure values	
Max. operating pressure:	8 bar
Specifications	
Actuator:	1-Phase-alternating current (AC) motor
Supply voltage:	230 V, 50 Hz
Protection class:	IP55
Thermal class:	F
Power:	1.5 kW (P _N)
Current consumption:	9.0 A
Empty weight:	81 kg
Tank volume:	100 litre

CONSTRUCTION

Overview	Components	Materials
	1 Tank	LLDPE compounded
	2 Pump housing	Stainless steel
	3 High-pressure pump	1.4301 (Pump shroud); Pump Casing; Stage casing; Discharge cover
	4 Pump control unit	-
	5 Base frame	Steel, powder-coated blue
	6 Pipeline	Ms-red bronze/Chrome-plated steel
Not depicted components:		
Membrane pressure vessel	Connection made of stainless steel	
	Flow armature according to DIN 4807-5	
Hydraulic system	Stainless steel	
Seal	EPDM	
Slide bearing	Aluminium oxide	
Floating ring seal	acc. to EN 12756	
Floating ring	Silicon carbide	
Counter ring	Hard coal	
Elastomer	EPDM	
Diaphragm	Suitable for drinking water	

TRANSPORTATION AND STORAGE

Keep parts in their original packaging and unpack them shortly before use.

The following parameters apply during transportation and storage:

Parameter	Value
Environment:	clean, dry and dust free
Min. ambient temperature:	0 °C
Max. ambient temperature:	+40 °C
Max. ambient relative humidity:	85 % *

*non condensing

TECHNICAL CHARACTERISTICS

Pressure drop characteristics



DIMENSIONS

Overview

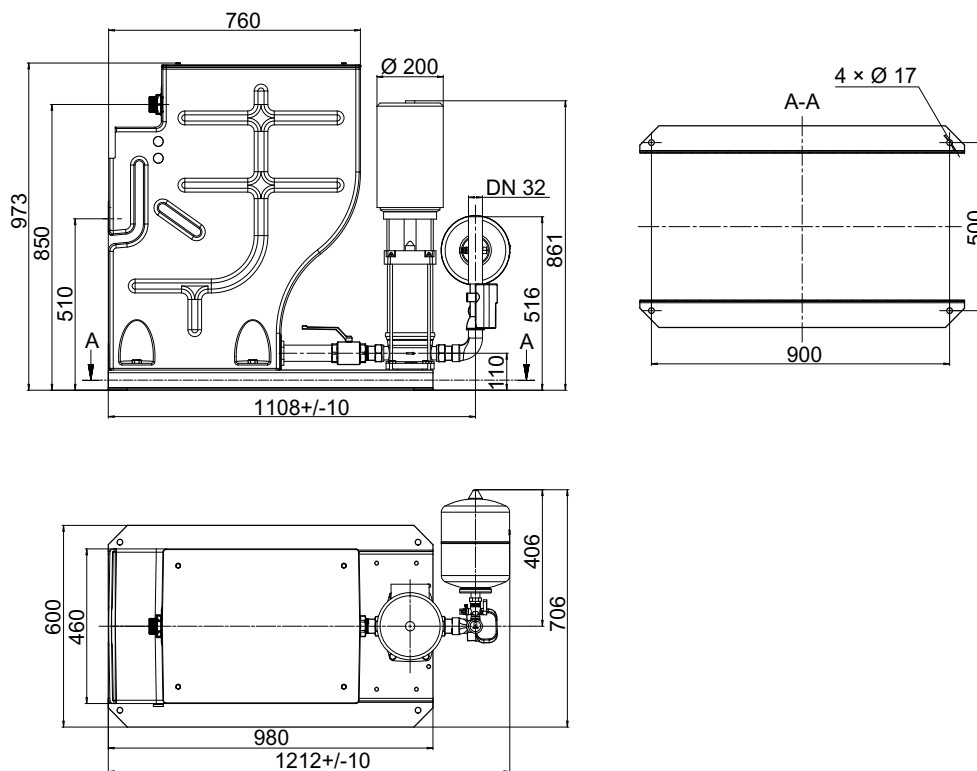





Fig. 1 Dimensions

Note: All dimensions in mm unless stated otherwise.

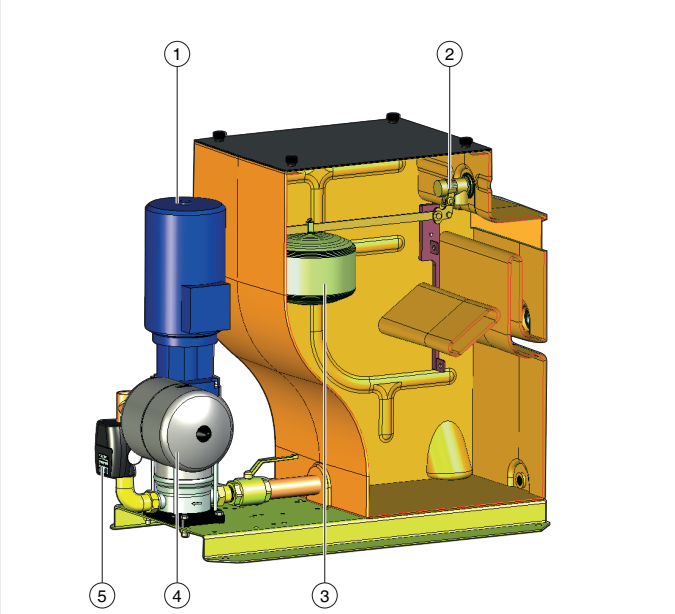
ORDERING INFORMATION

Ordering Number: CBU142-32A-065

Accessories

	Description	Dimension	Part No.
	Feet set		
			FEETSET-CBU142
	Sensor holder (no picture)		
			SENSHOLD-CBU142
	Sensor		
		3 m	SENSOR-CBU142

Spare Parts

Overview	Description	Dimension	Part No.
	1 Pump movitec ve 6/08		
			PUMP-CBU142
	2 Float valve		
			VR170-11/4A
	3 Float stainless steel		
		ZN170-11/4A	
4 Membran buffer tank 8l			VESSL-CBU142
5 Pump control broi 2000			
			PUMPCONT-CBU142

For more information

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Subject to change

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