

Buffer tank and prepump BU-197



The buffer tank BU-197 is designed for buffering between lacquer supply and dosing pump, especially for UV lacquer coating.

Main features of the buffer tank BU-197

Integrated heating and degassing station.
Integrated particle filter and level sensor.
Compatible with various brands of filters.
Easy disconnection of the tank for cleaning

Media and tank properties of the buffer tank BU-197

Property	Nominal value	Tolerance / specification
Tank volume	600 ml (37 cubic inch)	
Temperature control	+15 ... +50 °C	
Maximum flow of medium	4 ml/sec	Depending on tube length and viscosity
Level sensor		Capacitive sensor

Materials in contact with the medium in the buffer tank BU-197

Part	Material	
Pump membrane	PTFE-IIR compound	Bucar ®
O-ring sealings	EDPM	optional: FFPM
Buffer tank	Stainless steel	Anticorodal, optional: Inox or POM

Physical properties and environment of the buffer tank BU-197

Property	Nominal value	Specification
Length / width / height	120 / 120 / 380 mm 120 / 120 / 250 mm	With Pall-filter With Millipore-filter
Weight	5.5 kg	
Compressed air for control of prepump	0.2 ... 2 bar	
Vacuum for control of prepump	< 0.6 bar	
Medium intake	G 3/8" thread	
Medium outlet	2 x G 1/4" thread	
Cooling water intake and outlet	G 1/8" thread	
Power supply	230 VAC / 400 W 24 VDC / 0.5 A	