

Diaphragm Supply Pump FP-20, FP-40



The diaphragm supply pumps FP-20 and FP-40 are designed as an intermediate pump between a main tank and the buffer tank of a precision dosing pump.

Main features of the diaphragm supply pumps FP-20 and FP-40

The pump handles a wide range of media viscosities.
 Controlled by time and pressure.
 All parts in contact with the medium are made of highly resistant materials.
 Easy disassembly for cleaning.

Media and pump properties of the diaphragm supply pumps FP-20 and FP-40

Property	Nominal value FP-20	Nominal value FP-40	Tolerance / specification
Dosing amount	up to 20 ml	up to 40 ml	
Viscosity	1 ... 600 cps		
Temperature range	+4 ... +60 °C		
Medium pressure created by pump	< 0.2 bar		Depending on tube length and viscosity
Maximum flow of medium	20 ml/sec	40 ml/sec	Depending on tube length and viscosity

Materials in contact with the medium in the diaphragm supply pumps FP-20 and FP-40

Part	Material	
Pump membrane	PTFE-IIR compound	
O-ring sealings	EDPM	optional: FFPM
Metal parts	Stainless steel	Anticorodal. Optionally any other material suitable for the task.

Physical properties and environment of the diaphragm supply pumps FP-20 and FP-40

Property	Nominal value	Specification
Length / width / height	70 / 90 / 90 mm	
Weight	1.5 kg	
Ambient temperature for drive	+4 ... +60 °C	
Compressed air for pneumatic functions	0.2 - 2 bar	
Vacuum for pneumatic functions	0.2 - 0.7 bar	regulated