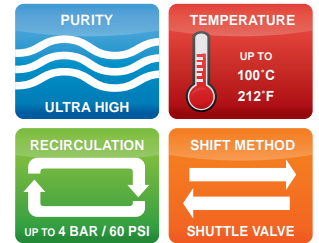


Best-Selling Pump for Chemical Recirculation

Specified for the semiconductor industry's most popular wet bench.

AP40EXT3 pumps are completely free of metals. They have PTFE/PFA fluid paths and can distribute high-purity chemicals at up to 100°C (212°F). They offer pressures up to 4 Bar (60 psi) and flow rates up to 14 lpm. They perform safely and reliably throughout their three-year warranty periods.

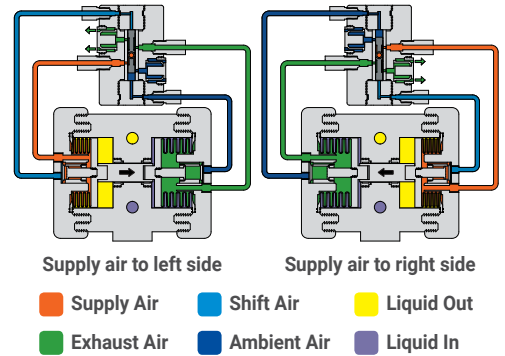


Features & Benefits

- Safe, reliable leak-free operation
- Proven reliable to 200 million+ cycles
- Nonmetal pumps with PTFE/PFA liquid paths
- No elastomer O-rings, no leaks, never retorque
- No lubrication in air shuttle or shift mechanisms
- Pneumatic Logic™ minimizes pulsation and vibration
- No preventative maintenance in three-year warranty
- Class 100 cleanroom assembly, testing, and packaging
- Leak-proof, machined design
- Polypropylene heads and ceramic in air shuttle valve
- Minimal parts for durable design
- Various liquid connection options
- Easy to install and service

Operation

Pneumatic Logic™ minimizes pulsation, vibration, and wear. It ensures correct spool placement at the end of each stroke and resets shuttle valves after shutdowns. It has no detents to fail or seals to fatigue.



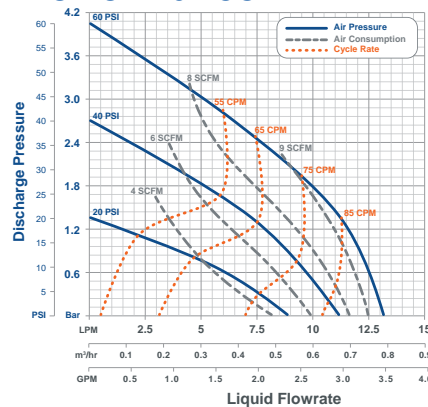
Specifications

Model	AP40EXT3	Model	AP40EXT3
Max Flow Rate*	14 lpm (3 gpm)	Max Fluid Temperature	100°C (212°F)
Displacement Per Cycle*	0.189 liters (0.05 gal)	Max Supply Air Pressure	4 bar (60 psi)
Cycles per min	≤ 80	Min Startup Air Pressure	1.4 bar (20 psi)
Air Connection	1/8, 1/4, or 3/8 in FNPT	Suction Lift*	≤ 1 m (3 ft)
Weight	4.6 kg (10.2 lb)	Fluid Path Materials	PTFE, PFA
Sound Pressure**	70.99 dB(a) 72.53 dB(a)	Non-Fluid Path Materials	PTFE, PFA, PP, Ceramic
Sound Power**	59.11 dB(a) 60.74 dB(a)		
Warranty Period	3 years		
Stroke Detection	Fiber optic with or without D10 sensor, or solid state pressure switch (NPN or PNP)		
Leak Detection	Fiber optic with or without sensor, or conductivity		
Electronic Control	CPC, CPT, or custom. Call for details.		

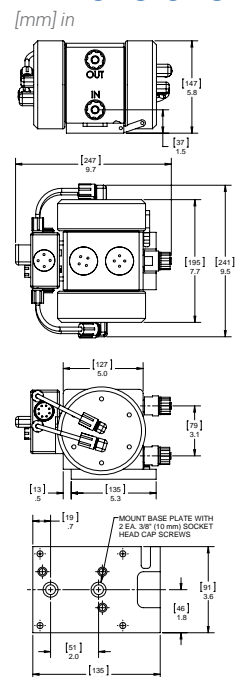
* May vary by configuration. Suction lift diminishes over time. Recommended installation level less than 3 ft above source.
 ** dB at 60 psi 50 CPM (top) and 60 psi max. CPM (bottom).
 Sound levels measured in accordance with ISO9614-2:1997.

<https://wkfluidhandling.com/ap-series/>

Performance



Dimensions



Temperature Limits

