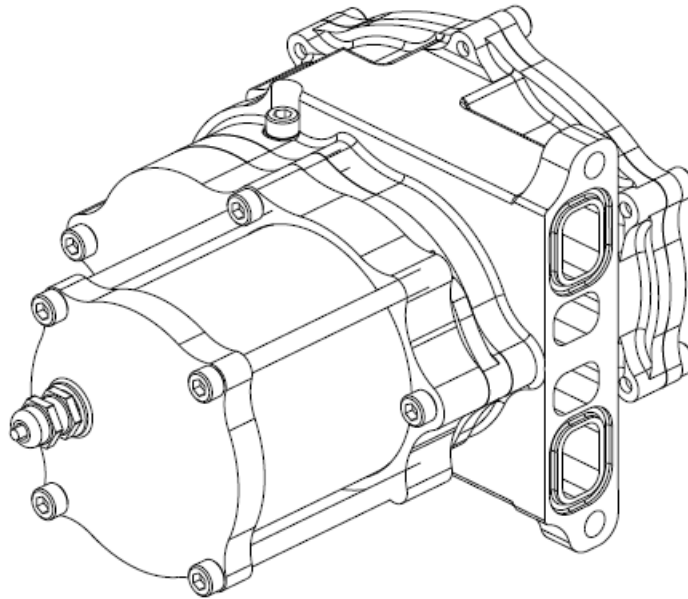


ARC-17 Preliminary Specification



Layout	Synchronized two lobe gas pump with integrated motor
Current applications	Recirculation of humid gases such as Hydrogen in fuel cells
Displacement	0.17 L.rev ⁻¹
Motor Drive	230/240VAC for evaluation units, DC voltage and CAN to suit application.
Sealing system:	Semi-hermetic, dynamic seals to suit application and pressure
Cooling system:	Optional liquid cooled motor.
Materials (gas contact)	Stainless steel, Viton, PTFE.
(motor housing)	Aluminium Alloy.
Overall dimensions	200 x 160 x 140
Weight (Inc Motor)	<10 kg
Inlet pressure	0.7 – 4 bar (abs)
Pressure head	0.3 bar
Speed range	100 – 6 000 rpm
Capacity	1 m ³ .min ⁻¹ (Vol efficiency depends on Pd/Ps, gas composition)
Power Consumption	1600W intermittent, continuous <500W @ 0.2bar (Pd-Ps), 6000rpm