

Hydra-Cell® S Series Pump Features Checklist

Performance Feature	SM Manual Control	SP Pulse-in Control	ST Pulse-in & Timer	SA Pulse-in & Analog-in
Stroke speed operation to 300 strokes/minute	✓	✓	✓	✓
LED touch-pad operation with digital readout		✓	✓	✓
Pulse-input/output		✓	✓	✓
Pulse-input/output & timer			✓	
Pulse-input/output & analog-input				✓
“Eco-friendly” energy-saving mode		✓	✓	✓
Protective secondary diaphragm	✓	✓	✓	✓
Key lock	✓	✓	✓	✓
Solenoid-operation sync signal output	✓	✓	✓	✓
Control stroke speed and length		✓	✓	✓
External stop signal control	✓	✓	✓	✓
Alarm signal output (1)		✓	✓	✓
Robust, high-impact PPO construction	✓	✓	✓	✓
IEC standard; IP65 or equivalent enclosures	✓	✓	✓	✓
Variety of liquid-end & elastomeric materials	✓	✓	✓	✓
Liquid end can be positioned 90° left or right		✓	✓	✓
High-pressure/boiler feed models	✓	✓	✓	✓
High-viscosity models (2)		✓	✓	✓
Ceramic double-ball check valve	✓	✓	✓	✓
Safe mode operation (3)		✓	✓	✓
Abnormal pressure sensor		✓	✓	✓
Manual air release valve	✓	✓	✓	✓
Optional integral relief valve (3)	✓	✓	✓	✓
Manual and automatic outgassing models	✓	✓	✓	✓
Piping/degassing tubing	✓	✓	✓	✓
Anti-siphon check valve (4)	✓	✓	✓	✓
Foot valve (4)	✓	✓	✓	✓
Ceramic weight (5)	✓	✓	✓	✓
Additional O-ring (6)		✓	✓	✓
Welded casing and parts		✓	✓	✓
Hexagonal head bolts with cross recess		✓	✓	✓
Wide voltage supply range & power connection styles	✓	✓	✓	✓

(1) Not available with 200 models or outgassing models.

(2) Available on (SP/ST/SM) 060 and 100 models only.

(3) Not available with high-pressure/boiler feed models or 200 models.

(4) Not used for HV (high-viscosity) and CD (automatic degassing joint) models.

(5) For models with PE, PF (PVC) and KF, KE & KP (PVDF) pump heads only.

(6) O-ring to prevent chemical permeation from outside the pump.