

Hydra-Cell® S Series Performance Benefits

Safety Features to Handle Abnormal Conditions

Safe Mode - liquid transfer force is controlled during no-discharge operation to prevent abnormal pressure build-up. (Not available for SM models or boiler and high-pressure applications.)

Integral Relief Valve - releases abnormal pressure automatically if the pressure exceeds the set value. (Not available for boiler and high-pressure applications.)

Air Release Valve - “gas-lock” occurs when air enters the pump head and prevents chemicals from being discharged. Dead space inside the pump head is limited to avoid air entry and build-up. Should air enter the pump, an automatic air release valve on select models discharges the air; on other models, simply turn the air release knob.

Abnormal Pressure Sensor - alarm sounds if abnormal pressure builds up due to clogged pipes or if the discharge valve is closed. (Not available for SM models.)

Waterproof and Dust-resistant Specifications

IEC standard; IP65 or equivalent. (Avoid condensation or immersion in water.)

Robust, Resilient Construction

All S Series pumps are molded from high-impact PPO to provide superior resistance to heat and outstanding dimensional stability.

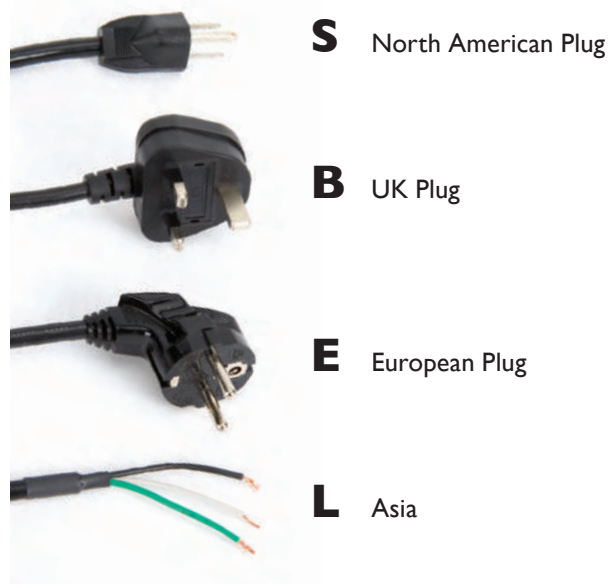
Stability

A ceramic weight is supplied with all PVDF pump heads (KE, KF, and KP models). When a PE or FEP is used for the suction side of the pump, the ceramic weight is attached to straighten the tubing.

Wide Voltage Range

All pumps can be used with AC100 to 240V (±10%) power supplies so there is no need to worry about site power supply voltage or voltage fluctuations. A variety of power plug types are available.

Power Plug Options



Materials of Construction Reference

Order Code	Pump Head	O-Ring	Valve Seat	Joint	Valve or Ball Stop	Application
PE	PVC	EPDM	EPDM	PVC	PVC	General Chemicals
PF	PVC	FKM	FKM	PVC	PVC	General Chemicals
KE	PVDF	EPDM	EPDM	PVDF	PVDF	General Chemicals
KF	PVDF	FKM	FKM	PVDF	PVDF	General Chemicals
KP	PVDF	FKM	PTFE	PVDF	PTFE	General Chemicals
ST	316SS	PTFE	–	Ceramic	PTFE	General Chemicals
CL	Acrylic	FKM	FKM	PVC	PVC	Outgassing Fluids
CA	Acrylic	FKM	FKM	PVC	PVC	Outgassing Fluids
CN	Acrylic	FKM	FKM	PVC	PVC	Outgassing Fluids
CD	Acrylic	FKM	FKM	PVC	PVC (Hastelloy Spring)	Outgassing Fluids
BH	PVC	EPDM	PTFE	PVC	PVC	High Pressure
CH	PVC	EPDM	PTFE	PVC	PVC	High Pressure
HV	PVC	FKM	–	PVC	–	High Viscosity