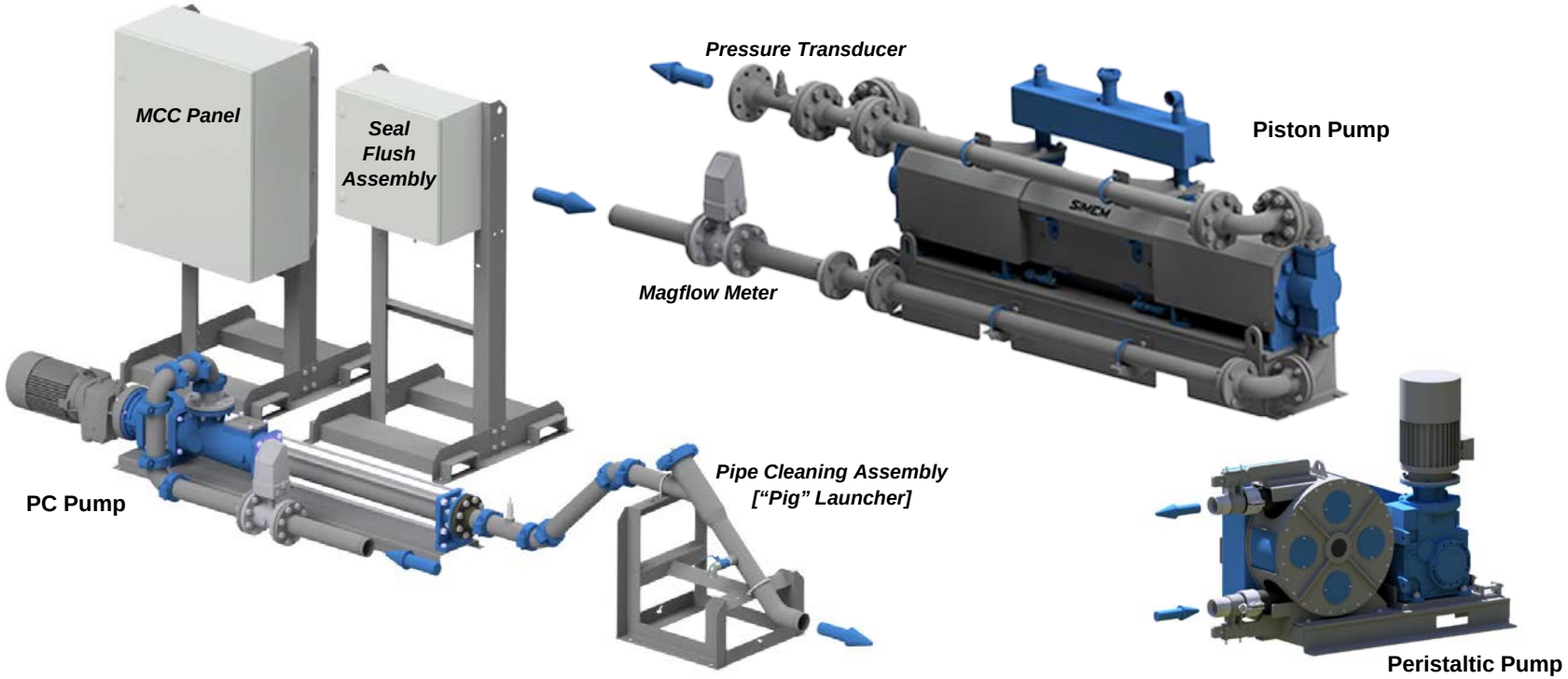
PUMPING

Pumping system design must consider many factors prior to operation. Matching a pumping solution for a specific project application requires extensive knowledge to ensure a pumping system performs as intended. Simem Underground Solutions, and its decades of experience with long-distance pumping of bi-component grouts, cellular concrete, and hydrated bentonite, designs and assembles complete systems guaranteed to perform. System types incorporate piston, peristaltic, progressive cavity, centrifugal, and air-diaphragm pumps. Systems come complete with associated power control units, instrumentation, and pipe cleaning assemblies. Systems are prepared for field connection as independent components, skid-mounted, or fully containerized.

Pumping Systems

- We Pump
  - Bi-Component Grout
  - Lightweight Cellular Concrete
  - Hydrated Bentonite
  - Cement Slurries
- Auxiliary Equipment Available
  - Hydraulic Power Units
  - MCC Panels
  - Pump Seal Flush Systems
  - Magflow Meters
  - Pressure Transducers
  - Pipeline “pig” Launchers
- Applications
  - TBM’s
  - Injection Grouting
  - Soil Mixing
  - Slurry Walls



TECHNICAL DATA

PUMP TYPE	FLOW RANGE	MAX PRESSURE	POWER
PERISTALTIC	2.2-40 m^3/h (10–176 gpm)	15 bar (218 psi)	1.5–18.5 kW (2–25 hp)
PERISTALTIC – High Pressure	2.3-30 m^3/h (10–132 gpm)	25 bar (360 psi)	3.7–30 kW (5–40 hp)
PROGRESSIVE CAVITY (PC)	2-40 m^3/h (8.8–176 gpm)	36 bar (522 psi)	7.5–75 kW (10–100 hp)
PISTON	10-35 m^3/h (110–154 gpm)	70 bar (1000 psi)	56-93 kW (75-125 hp)

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