



Highly versatile and easy to install system

The SPECTRUM Horizontal Pumping System (HPS) utilizes a modular design which offers a versatile, low maintenance pumping system for use in multiple applications in the oil and gas, industrial and mining markets.

Designed for ease of installation and maintenance, SPECTRUM HPS units are factory assembled and require minimal alignment in the field, with only suction and discharge flange connections and power hook up needing to be done.

Configurable design

Their modular design and the inherently flexible nature allows operators to change out components to meet varying duty conditions. Equipment can be easily redeployed for different applications should requirements change. Flexibility is increased further with the option of powering the unit with produced gas or diesel.

The SPECTRUM HPS has low levels of noise and a skid design that dampens vibration. For harsher applications, the unit can be fitted with Abrasion Resistant (AR) bearings to further increase run life.

SPECTRUM HPS units are a low maintenance, cost effective alternative to triplex, split case and vertical turbine pumps and are designed for many years of service.

APPLICATIONS

- Water injection & disposal
- Jet pumping
- Crude oil transfer
- NGL, LPG, Naphtha & Ethane
- Lean amine
- CO₂ injection
- Geothermal water injection
- Methanol
- Mine dewatering & dust suppression
- Pipeline booster
- High pressure industrial facilities

BENEFITS

- Robust frame design
- Straightforward installation
- Quick change out features with rear and front pullout design
- Competitive lead times
- Low maintenance
- Low capital and operational expenditure
- Adaptable for changing load conditions
- Quick service and repair
- Wide operational range
- Low noise levels

FEATURES

- Flexible couplings
- Environmentally friendly
- Modular design for changing seal types
- Flexible pump bearing configuration
- Intake and discharge flanges as per ANSI standards
- Provision for bearing RTD & velocity meters

PERFORMANCE SPECIFICATIONS

Capacity, BDP (m³/d)	100 - 45,000 (15 - 7,200)
Discharge pressure Psi (kPa)	Up to 7,000 (48,260)
Power (single skid) kW(hp)	1,177 (1,600)
Testing capability kW(hp)	1,177 (1,600)

MATERIAL SPECIFICATIONS

Impellers & diffusers	Ni-Resist, alloy coatings as required
Shafts	Monel
Intake & discharge	Carbon Steel and 316 stainless steel
Sleeve bearings	Ni-Resist, Tungsten Carbide
Flanges	ANSI 150 through 2500