Westpower has taken high quality single line twin screw pumps and integrated them in a standard solution for surface multiphase boosting. The simple and compact system optimizes installation and operating costs; designed and built within Westpower’s Standard Systems Program, your package is delivered quickly and efficiently providing a multiphase pumping solution at the lowest total cost of ownership.

**KEY TECHNOLOGY BENEFITS**

- Increase crude oil production by reducing surface backpressure
- Restore struggling and declining well to optimal production
- Minimize surface facility and complexity, and maximize operational flexibility
- Improve CAPEX and OPEX
- Prevent high pressure wells backing out low pressure wells

**OIL FIELD APPLICATIONS**

- Crude oil, upstream multiphase boosting
- Tank hot vapour recovery (SAGD & CSS)
- Declining and mature wells backpressure control
- Wet gas compression
- Well casing hot vapour recovery

**PROGRAM BENEFITS**

- Fit-for-purpose design
- Save on engineering time and costs
- Quick delivery
- Affordable pricing
- Fully portable, for low transportation costs
- Local field service and technical support
- 100% Canadian made, design and fabrication
- Qualified for international markets
THE SYSTEM

1. Inlet Strainer
2. Multiphase Twin Screw Pump
   Compact, robust, and flexible
3. Liquid Retention Loop
   To ensure reliable operation at high GVF and intermittent dry running
4. Options
   Standard upgrades available

OUR PRE-ENGINEERED SYSTEM INCLUDES

- API 676 Horizontal Twin Screw Pump – Single Line Design. Made in Germany
- Designed for a range of flow rates and pressures; sweet or sour
- Pre-designed unit with configurable options
- Electrical integration; optional VFD with plug & play control system
- Layout and enclosure options

PERFORMANCE OVERVIEW

- **SERVICE**
  Mix of crude oil, produced water and natural gas; sweet or sour

- **FLOW RATE (TOTAL EQUIVALENT)**
  Single train up to 120 m³/hr (528 gpm)

- **DISCHARGE PRESSURE**
  Up to 2500 kPag (363 psig)

- **GAS VOLUME FRACTION (GVF)**
  Up to 97% constant
  Up to 100% temporal / intermittent

- **TEMPERATURE**
  Up to 200°C (392°F)

realize your system potential

CONTACT US FOR EXPERT INSIGHTS

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