



# PIPELINE INJECTION PUMP

FLOW RATES OF  
**15,300 BPD @ 1,500 PSI**  
 & UP TO  
**23,440 BPD @ 750 PSI**

(Higher flow rates available at lower pressures)

## FEATURES & BENEFITS:

### Multiple Sealing Options

- Single cartridge mechanical seal standard
- Double and tandem cartridge mechanical seals available
- Capable of accepting an API 682 seal

### Durable Construction

- Heat treated shaft and spur gears provide reliable service
- Internal surfaces are Vitek hardened to increase wear resistance

### Modular Port Design

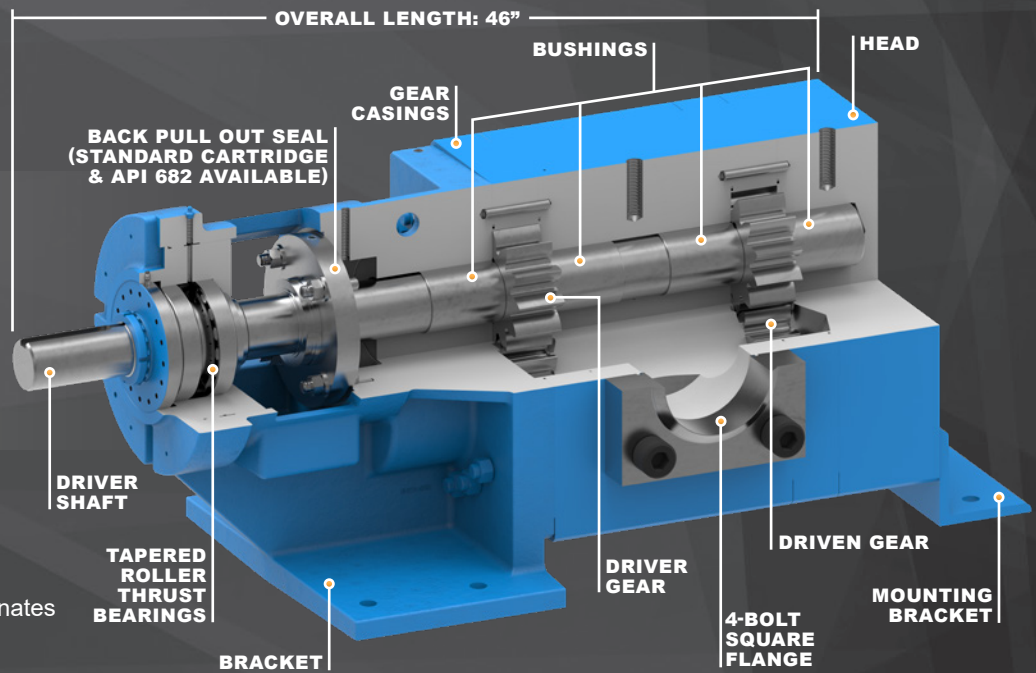
- 6", 180° 4 bolt ports standard
- Weldneck port adapter design allows for multiple interchangeable flange options
- Common Port Location (CPL) feature allows for installation of lower flow rate pumps when well production decreases without welding or piping modifications

### Compact Footprint

- External gear design is significantly more compact than screw, reciprocating, and centrifugal technologies
- Direct drive, motor-speed operation eliminates the need for gearboxes or belt drives
- Standard inverter duty rated motors

### Reduced Maintenance

- Back pull-out seal design and spacer coupling eliminate the need to disturb piping or perform alignments during seal changes
- Rigid structural steel base with milled mounting pads and jacking bolts for ease of field alignment
- No pulsation dampeners, gear reducers, belt drives, or additional equipment to service and maintain



## PERFORMANCE:

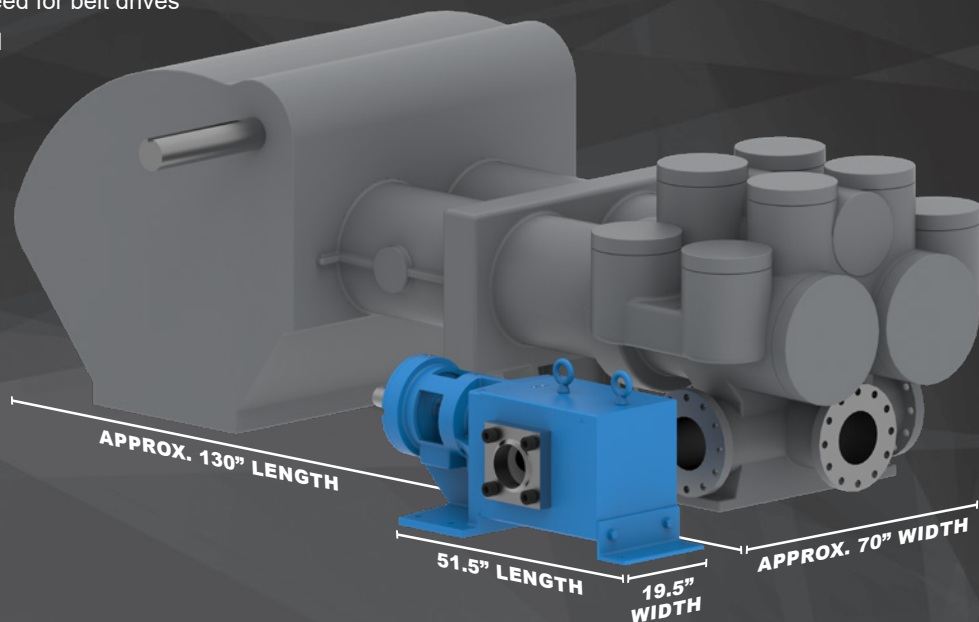
Pump Model	Ports*	Nominal Flow @ 750PSI (1,190 rpm) on 4 cP			Nominal Flow @ 1,500PSI (1,190 rpm) on 4 cP			Max Continuous Pressure	Max Recommended Temperature	Approximate Shipping Weight (Pump Only)
		GPM	BPH	BPD	GPM	BPH	BPD			
GP-425021	6"	170	245	5,890	150	212	5,100	1,500	350	1370
GP-425052	6"	345	490	11,770	298	425	10,200	1,500	350	1815
GP-425073	6"	515	735	17,655	446	638	15,300	1,500	350	2500
GP-425051	6"	340	488	11,720	-	-	-	750	350	1485
GP-425102	6"	685	975	23,440	-	-	-	750	350	2065

\* 6" port uses 3000 Series Square Weldneck Flange Adapter

For more information, visit [VikingPump.com/Pipeline-Injection](http://VikingPump.com/Pipeline-Injection)

## VIKING GEAR PUMPS VS. RECIPROCATING TECHNOLOGY:

- Lower total cost of ownership
  - Smooth flow eliminates the need for pulsation dampeners
  - Motor-speed operation eliminates the need for belt drives
  - Compact design results in a smaller skid and reduced shipping costs
- Multiple sealing options
  - Large selection of seals to accommodate individual application requirements
  - Leak detection solutions available
- Standard 1,500 PSI pressure capabilities
- Simple design
- Reduced maintenance
  - No check valves or seats to replace
  - No lube oil or oil changes required
  - No belt drives to service and maintain
  - No pulsation dampeners to maintain
- Significant space and weight savings



## VIKING PUMP'S COMMERCIAL ADVANTAGES:

- Over 107 years of experience in the pump industry
- Extensive distribution network and direct OEM channel ensure fast and knowledgeable service
- USA based, vertically integrated manufacturing: Products are produced from our own foundry, machine shop, test and assembly stands, and shipping department, all located in Cedar Falls, IA
- Part of IDEX Corporation, a \$2 billion corporation

## VIKING GEAR PUMPS VS. CENTRIFUGAL HSP TECHNOLOGY:

- Smaller physical footprint
  - Smaller complete package size, specifically at higher differential pressures
  - No additional cradle supports on longer pumps, which complicate alignment
  - Up to 15' shorter units, allowing smaller buildings or fabricated skid bases
- Smooth, linear curve flow and pressure capabilities
  - No need for complex control valves
  - Positive displacement pumps perform better in variable flow and pressure applications with less external control complexity
  - Positive displacement flow
- Better pump reliability
  - Larger drive shaft allows for better handling of radial loads
  - More robust and durable, especially in upset system conditions
  - Standard thrust bearings to control axial shaft movement and capable of elevated inlet pressures
  - John Crane 5611Q cartridge seal as standard
  - API 682 seal option with field interchangeability
  - Simpler design with fewer moving parts

