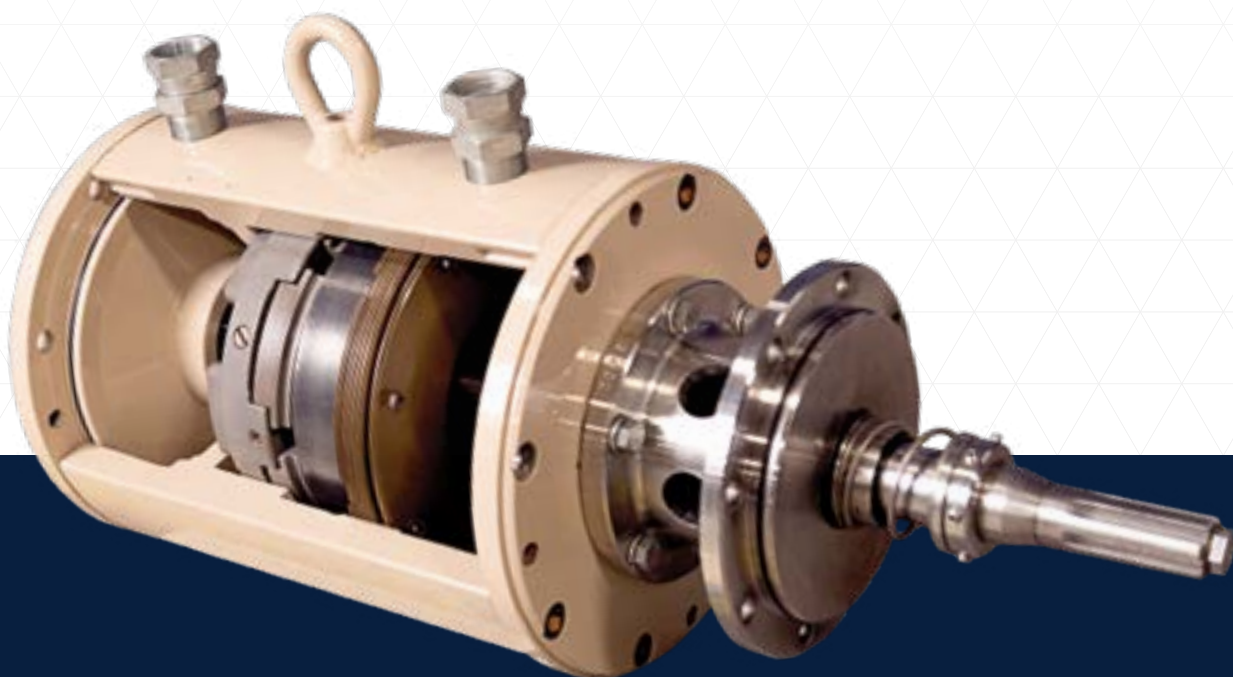




**HOSS**™

P U M P   S Y S T E M S



WHEN IT COMES TO CUSTOMIZED  
HORIZONTAL SURFACE PUMPS THERE'S  
**NO COMPARISON.**

## OUR PROMISE

To design and manufacture the most reliable and technically-advanced horizontal pump systems, and to provide responsive, industry-leading service and support.



At HOSS Pump Systems, we stand confidently behind our commitment to our customers and to ourselves. Here's how HOSS is leading the way:

### RELIABILITY

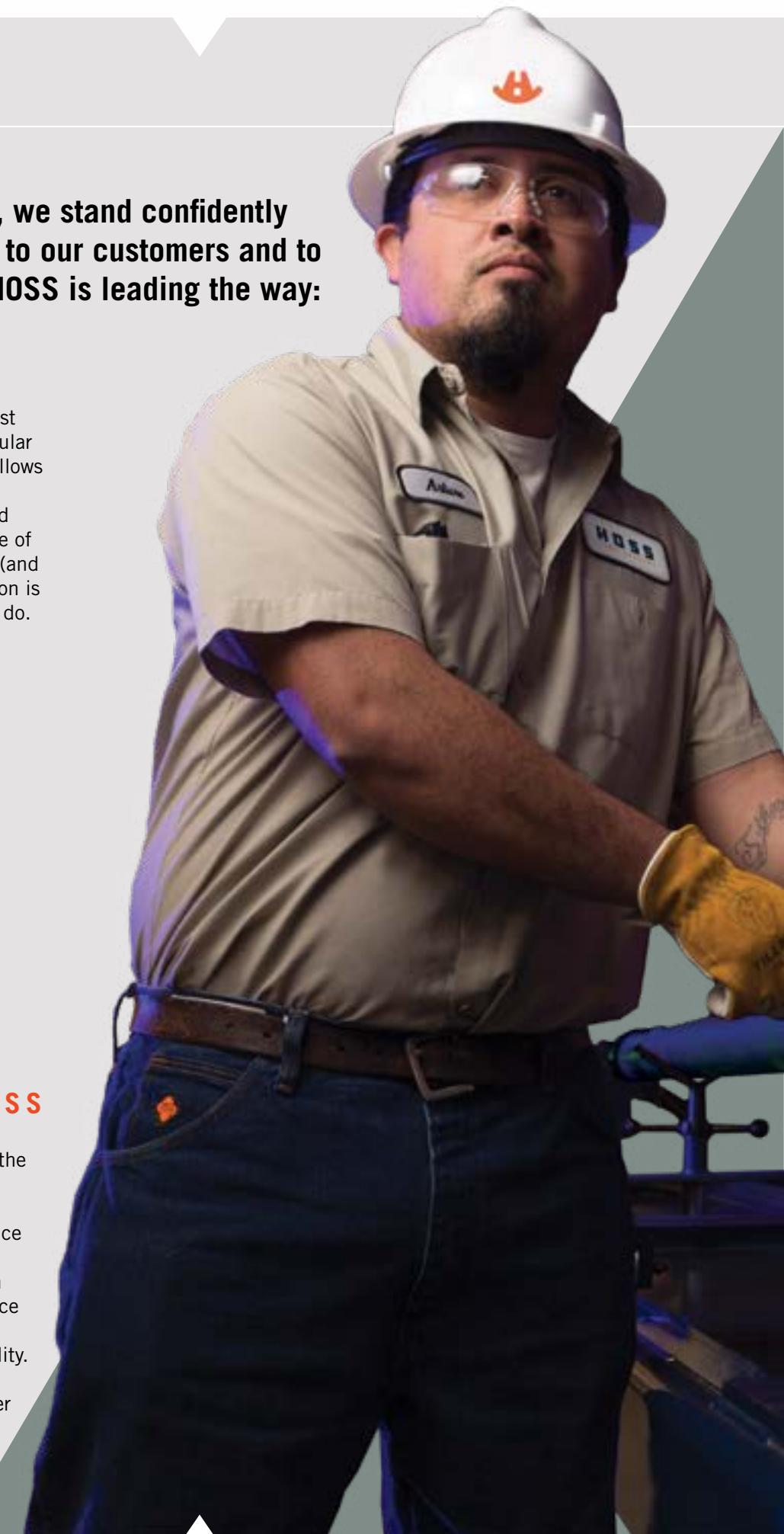
Our sole focus is on building the best horizontal pumps. Period. This singular obsession for sweating the details allows our team to engineer highly-reliable pumps that will go the distance, and then some. The unmatched run time of a HOSS pump means more uptime (and less headaches). When your operation is on the line, only a HOSS pump will do.

### TECHNOLOGY

From manufacturing our premium horizontal pumps to how we take care of our customers, continual innovation isn't just a buzzword; it's a relentless pursuit to raise the bar. Again. Our patented thrust chamber technology provides the industry's most robust design, thus delivering unmatched operational longevity and reliability you can't find anywhere else on the market. So, go ahead—take advantage of our best-in-class technology. We insist.

### RESPONSIVENESS

Sure, anyone can sell a pump, but the real measure of a business partner is how they respond when you need support. Our experienced field service teams will do whatever it takes to make sure you're taken care of with progressive preventative maintenance programs after the sale with unmatched response and accessibility. As a HOSS customer, you'll receive 24/7 on-demand access to customer service and support, whenever and wherever you need it. And that's something you can count on.





## RELIABILITY



Every Hoss pump system is designed, engineered, and built specifically to maximize the reliability of the customer's operations.

### 1 PUMP

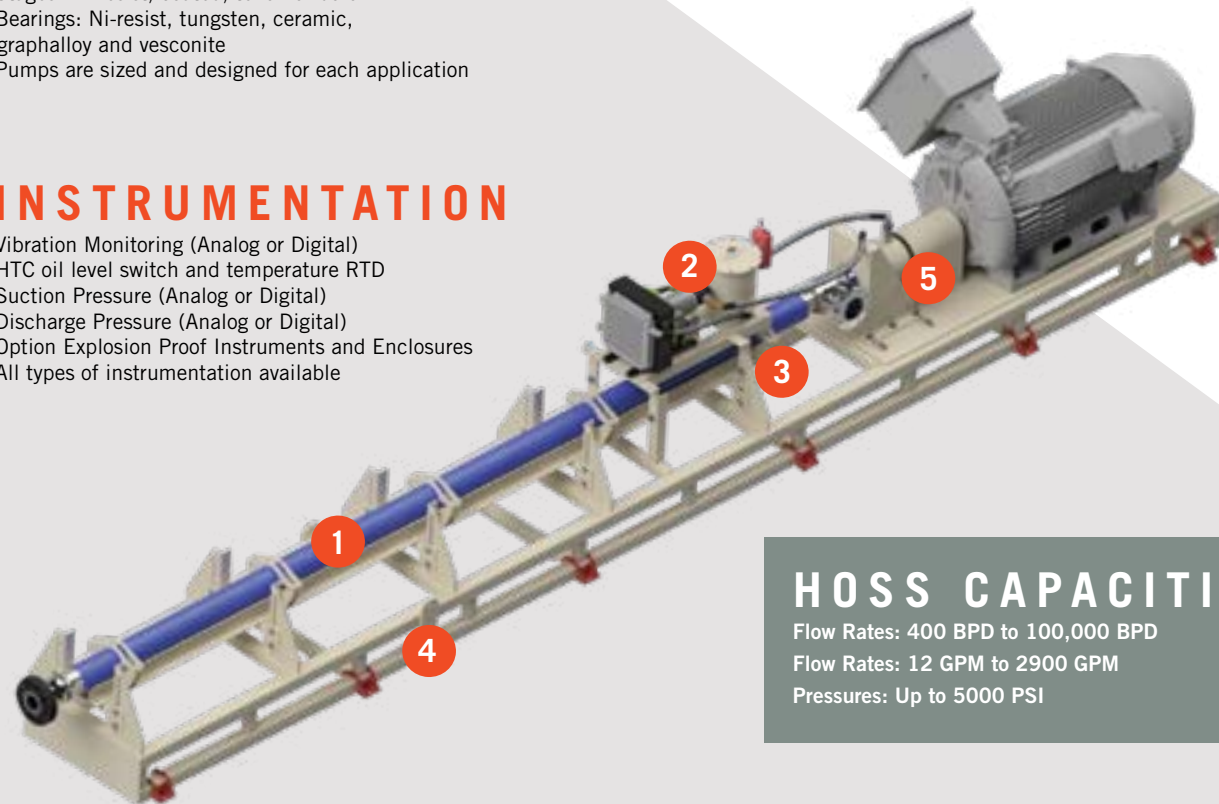
- Standard and optional pump sizes available in 400, 513, 538, 675, 862, 875, 1000 and 1025 series
- Pressure limits have been re-rated for safe surface operation
- Discharge pressures available to 5,000 psi MAWP with the 513 series and 4,800 psi with the 675 series pumps
- Pump has an over-sized, thicker housing that provides a higher pressure rating
- Stages: Ni-resist, coated, teflon or boron
- Bearings: Ni-resist, tungsten, ceramic, graphalloy and vesconite
- Pumps are sized and designed for each application

### 2 COOLER PACKAGE

- Lubricates the HTC providing long run times
- Reduces oil temperatures to increase bearing life under high loads
- On severe applications, it can be fitted with an internal cooling coil for an external water supply
- Optional external filter

### 3 INSTRUMENTATION

- Vibration Monitoring (Analog or Digital)
- HTC oil level switch and temperature RTD
- Suction Pressure (Analog or Digital)
- Discharge Pressure (Analog or Digital)
- Option Explosion Proof Instruments and Enclosures
- All types of instrumentation available



### HOSS CAPACITIES

Flow Rates: 400 BPD to 100,000 BPD  
Flow Rates: 12 GPM to 2900 GPM  
Pressures: Up to 5000 PSI

### 4 LADDER BOX SKID

- Modular & Scalable
- Rigid to ensure accuracy
- Low vibration
- Provides easier access for maintenance or repairs
- Field adaptable

### 5 HORIZONTAL THRUST CHAMBER

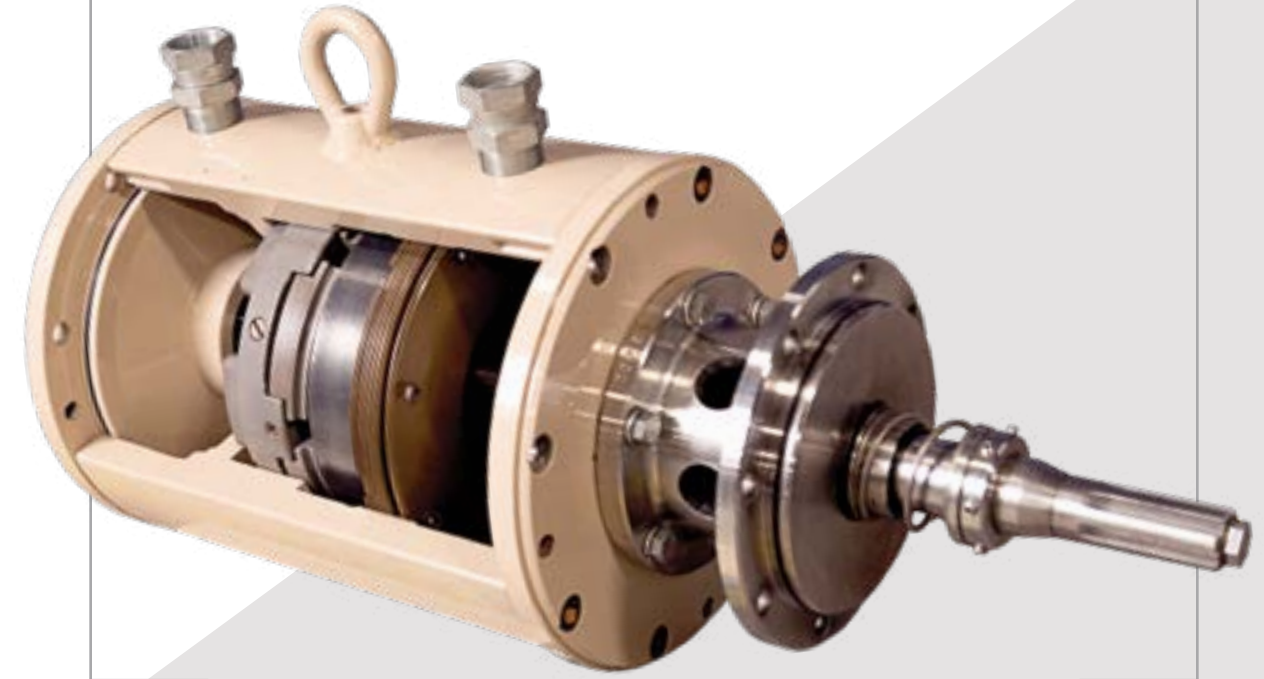
- Patented design
- Continuous operation thrust loads of up to 55,000 lbs
- All major standard seals available on the market or as specified by our clients
- 2 different seal combinations to fit your application without changing out the HTC
- Hi-strength shaft option rated to 1500HP
- Same space envelope
- Easy removal for maintenance/repairs
- Utilizes all API flush systems

## TECHNOLOGY



The Hoss Horizontal Thrust Chamber with thrust capacities of up to 55,000 lbs.

[ U.S. PATENT 8,246,251 B1 ]



The HOSS thrust chamber is unlike any other horizontal thrust chamber on the market, both in terms of technical design and in terms of delivering increased MTBF. The standard HOSS thrust carrying capacity is 19,400# and our more robust models are capable of carrying up to 55,000# of thrust.

The HOSS thrust chamber is a fully flooded system, which operates at a lower temperature. It consumes significantly less horsepower than other thrust chambers on the market, each which attribute to increased system runlife and a lower total cost of ownership.

### THE HOSS DIFFERENCE

	Hoss Pump Systems	Competitor A	Competitor B	Competitor C
Patented 19400# Horizontal Thrust Chamber Design	✓	✗	✗	✗
Order Specific Engineered Design and Build	✓	✗	✗	✗
Thrust Chamber 100% Hoss Designed and Built	✓	✗	✗	✗
Standard Thrust Chamber Thrust Capacity rated at 19400#	✓	✗	✗	✗
Able to do Thrust Capacities up to 55000#	✓	✗	✗	✗
Significantly Less HP required to operate a Hoss HTC	✓	✗	✗	✗
Fully Flooded HTC Cooling Design-No air entertainment	✓	✗	✗	✗
Lower HTC Operating Temperatures	✓	✗	✗	✗
HTC Cooling Unit standard with all Hoss Pump Systems	✓	✗	✗	✗
HPS Skids built in our Hoss operated Fabrication Facility	✓	✗	✗	✗
Immediate 24/7 Service Response and Dispatch	✓	✗	✗	✗

## VARIABLE SPEED DRIVES & AUTOMATION

Hoss offers VSD (Variable Speed Drives) specifically designed to correctly operate a Horizontal Pump System. Our engineering team works closely with our VSD suppliers to ensure that our VSD operating programs are the most advanced systems available.



### Typical controls include:

- Tank Level monitoring and control
- Suction Pressure monitoring
- Driver Motor temperature monitoring
- HTC Vibration Monitoring
- HTC Fluid Level Monitoring
- HTC Temperature monitoring
- HTC Cooling Unit Fluid monitoring
- Fluid Flow Rate monitoring and control
- Discharge pressure monitoring and control
- Operating speed monitoring and control
- Remote access and monitoring



## RESPONSIVENESS

24

Strategically located Hoss HPS field service technicians  
24/7/365 Repair Service-Quick Dispatch



### Our technicians are dedicated to Horizontal Pump Systems and have specialized training in the following:

- Proper Laser Alignment
- Complex Mechanical Seal troubleshooting, repairs, and installation
- Vibration Analysis
- VSD and instrumentation troubleshooting and repair
- Instrumentation install, setup, and calibration
- Proper HPS installation-Skid leveling and anchoring
- Service trucks tooled and stocked specifically for HPS service
- Parts inventory on hand for quick repairs and limited down time
- Testing capabilities to assure pumps are operating correctly







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