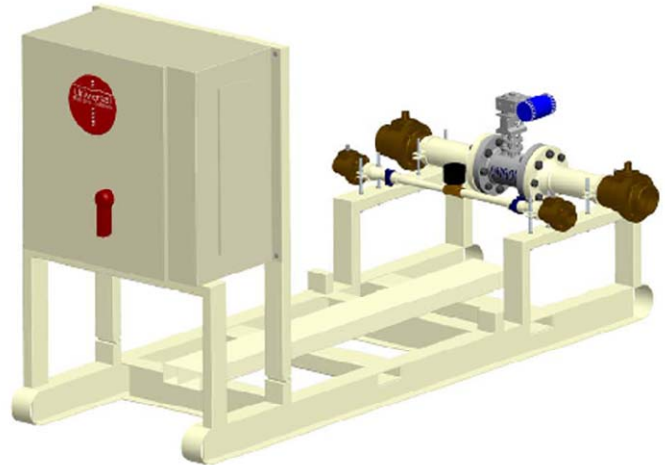




UniSkid Technical Specifications

Universal UniSkid

- **Weight:** 1200 LBS
- **Dimensions:** 9'6"L x 4'9"W x 6'6"H (subject to change w/ customization)



Yaskawa F7 Variable Frequency Drive

- **Ratings:**
 - 0.5 to 150 HP, 208 to 240 VAC; 0.75 to 500 HP, 480 VAC
- **Overload capacity:**
 - 150% for 1 min heavy duty, nominal 110% for 1 min normal duty
- **Starting torque:**
 - 150%, at 1Hz (V/f), at 0.5 Hz (open loop), at 0.3 Hz (closed loop)
- **Output frequency:**
 - 0.01 to 300 Hz for heavy duty, 400 Hz for normal duty
- **Controlled speed range:**
 - 40:1 (V/f), 50:1 (V/f with PG), 200:1 (open loop), 1000:1 (closed loop)
- **Speed regulation:**
 - 2-3% (V/f), 0.02% (V/f with PG), 0.2% (open loop), 0.01% (closed loop)
- **Speed/frequency resolution:**
 - 0.01% with digital reference, 0.1% with analog reference, 0.1 Hz with Modbus
- **Electronic reversing**
- **Adjustable accel/decel:**
 - 0.1 to 6000 sec
- **Stall prevention**
- **Drive efficiency:**
 - 96 to 98%
- **Displacement power factor:**
 - 0.98
- **Power loss ride-thru:**
 - 2 sec
- **Inertial ride-thru**
- **Selectable auto restart after momentary power loss**
- **Programmable auto restart:**
 - (0 to 10 attempts) on re-settable fault
- **Critical frequency rejection:**
 - 3 selectable, adjustable bands

Advanced Well Management Controller

- API 21.1 Compliant Gas Flow Computer
- AGA 3&8 Compliant
- Multiple Communication Ports
 - USB, Serial, Ethernet
- 8 Analog Input Points
 - 4-20mA, 1-5V Selectable
- 4 Digital Input Points
- 4 Analog Output Points
 - 4-20mA, 0-10V Selectable
- 4 Digital output points
- 2 Frequency Inputs
- 2 RTD Inputs
- SD Card Slot
- Large 4x20 Backlit LCD
- Up to 5 Levels of Security
- Modbus RTU

SCADA

- Operating System: Microsoft® Windows® 2000 or better
- Processor: 1 GHz
- Storage: 40 GB for up to XX-number of wells
- Memory: xx MB RAM
- Internet: Broadband recommended
- Radio: 900 MHz (HSK bps data rate)
- Server: Universal Well Management Software, Server Key, and Master Radio

Downhole Sensor

- Diameter: 1" O.D.
- Accuracy: ±1%
- Temp Limit: -20 to 180°F
- Signal: 4-20 mA
- Standard I-wire: Unarmored, 304 Stainless Steel Braided
- Models:

0-165 psi	1,000 psi	Proof
0-330 psi	2,000 psi	Proof
0-500 psi	1,000 psi	Proof
0-750 psi	1,500 psi	Proof
0-1,000 psi	2,000 psi	Proof
0-1,500 psi	4,000 psi	Proof
0-2,000 psi	4,000 psi	Proof

UniFlow Gas Flowmeter

- Pipe Sizes 3" or 4"
- Flow Turndown 60:1
- Accuracy $\pm 1\%$
- Min Straight Pipe Run Req.: 2 Dia. Upstream / 0 Dia. Downstream
- Flow Range 5 to 890 MCFD

Hydro-Flow Vortex Water Meter 1200

- Sizes: 1" to 3" Standard Pipe Thread
- Pressure: 150-300 psi
- Flow Rate: GPM or BPD
- Rated Class I, Division II
- Signal: Pulse Output
- Meter Body: Brass, Stainless Steel
- Flow Range: 2.6 to 350 GPM
- Temperature: -20 to 140 °F

