

VULCAN

ICON[®] and ATLAS[®]
V-Series



Better performance. Fewer parts.

Fleets nationwide are demanding more reliability, easier operation and a lower total cost of ownership. Our response? The new V-Series.

The new V-Series fluid ends were engineered to meet the operational and financial demands of modern fleets while streamlining field maintenance through design simplicity and a number of fix-on-the-fly capabilities. The result is not only longer product life but also lower maintenance and repair costs, less risk of unscheduled Non-Productive Time (NPT) and a reduced overall cost of ownership. All with the advanced materials, rigorous quality and plug-and-play adaptability you've come to expect from Vulcan's legacy ICON and ATLAS fluid ends.

ICON V-Series



Quintuplex

- Designed for 2500HP pumps with 8" stroke
- 54.25" fluid end width, 10" centers

Triplex

- Designed for 2250HP pumps with 8" stroke
- 40.00" fluid end width, 12" centers

New V-Series

- 50 percent fewer components per fluid end than competing products, and numerous refinements, for simplified field maintenance
- Integrated design features enabling fast, inexpensive repairs
- Flexible design with conventional power frame flange attachment mounts up to any legacy power frame and stay rods with zero modifications
- Accepts any standard size P4-size valves and seats so you're not locked into one brand (optional tungsten carbide valve seats available for pre-order)
- Plug-and-play replacement for Kerr Frac One F1X, with zero changes to truck suction manifold or high-pressure discharge iron locations

ATLAS V-Series



Quintuplex

- Designed for GD C2500HP or 3000HP pumps with 8" stroke
- 54.25" fluid end width, 10" centers

How does the latest evolution of our ICON® and ATLAS® fluid ends give you

Engineered for Longer Life

The new V-Series fluid ends are made from Advanced Stainless™ mono-block forging—the strongest and toughest stainless steel material engineered by our in-house metallurgist specifically for high-intensity frac operations. And the design's low stress, cross-bore geometry with specialized anti-fatigue surface treatment helps take each unit even farther for absolute maximum service life.

Fewer Parts, Fewer Headaches

This next generation fluid end has 50 percent fewer components than competing designs. That's right: 50 percent! This unmatched simplicity means far easier field service maintenance, less failure risk and lower cost passed onto fleet buyers.

Faster Packing Repair and Conversion

V-Series fluid ends also streamline field maintenance through sleeve packing bores that utilize a patent-pending sleeve retainer system. This innovation lets you tackle washouts and seized or damaged packing nut threads in the field with unprecedented speed. The design also lets you convert plunger sizes quickly and inexpensively—going from a 4.5" to 4" plunger size, for example, while the fluid end is still mounted.

Streamlined Suction Cover Repairs

The unit's modular cover retainer system eliminates fluid end thread peeling and streamlines repairs to seized or damaged suction cover retainer threads, enabling the crew to fix these problems on a fast-track basis while the fluid end is still mounted.

More Flexibility of Frame and Parts

The V-Series conventional power frame flange attachment mounts to any legacy power frame and stay rods with zero mods. No connect plates or special tools required. And the units serve as exact plug-and-play replacements for a number of industry fluid ends, with exact suction manifold and discharge iron orientations and locations.

Field-Hardened Components

In addition, a number of the V-Series components have been refined for more durability. Its 8-bolt discharge flange provides more reliability than conventional configurations. And the unit features extended-life D-ring suction and discharge cover seals for performance in extreme duty service.

For more details on the new V-Series, or to arrange a field trial accompanied by a Vulcan Industrial representative, call 855.688.5226.

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