# QUALITY ENGINEERING. **RELIABLE MANUFACTURING. DEPENDABLE PEOPLE.**

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# **AWC Hydro Master and Torque Master Valves**

# AWC has deployed more than 14,000 frac valves worldwide.

### Services

#### Frac 360 Aftermarket Services

Frac Valve costs don't end with acquisition. If a valve is down for repair, then it's not earning money for you. Fast, effective repair and maintenance services are a critical consideration of frac valve ownership.

AWC offers frac valve repair and remanufacturing at strategically located Aftermarket Service Centers. High quality and fast turnaround that minimize Total Cost of Operations are an essential component of our Frac360 Aftermarket Services.

#### FracLab

Our frac valve engineering team is committed to finding new ways to improve frac valve design and function. We strive to improve the safety and longevity of our valves to make them more accessible for preventative maintenance.

Custom Solutions: When it comes to designing custom solutions, AWC offers a wide range of skilled engineering services. Our specialized engineering team collaborates with our research and development team and technology group to evaluate and improve our designs to reduce risks.

# Mobile Service Capabilities

We proudly offer the best, most affordable and reliable mobile service capabilities on our core product line. Our aftermarket services are committed to managing our customers' risk, preventing downtime, and delivering the highest ROI possible.

- Hydraulic Accumulator
- Air Compressor
- Grease Unit
- Generator

# **Advantages**

We control the design and manufacturing of all AWC large-bore frac valves.

- H2S Service Ready
- Secure Operation
- C Enhanced Safety
- Solution Content Conte
- Stainless Steel Inlays
- 🕑 Unique Ball Screw Design
- Single Chain of Accountability

### **Hydraulic Accumulator & Remote Stands**

Available Inventory. Fast Delivery.







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#### **Benefits**

Frac components experience significant tensile stress caused by flexing and sliding wear. When it comes to protection against wear and corrosion, HVOF coating surpasses chromium plating.

HVOF coatings are excellent for safeguarding items from damage. Applying HVOF coatings to internal components like gates, seats, stems, pistons, mandrels, and washpipes are great illustrations of how this process may be employed.

Each Regate system is engineered to produce ultra-dense coatings at a rapid rate by generating exceptionally high particle velocity. We also have liquid-fueled and gaseous-fueled high-pressure equipment to help you get the best coating results.

#### Spray and Fuse Coatings

Sprayweld, Vacuum Fusing, & Heat Treating

- Hard coating with a high bond strength hardness up to RC 62
- Resistance to heat, cold, corrosion, and galling
- Can be used on new or used parts
- Can be applied up-to .095" thick
- Lower cost
- Base metal restored to customer specifications

### **HVOF Spraying Materials**

*Tungsten Carbide*: For high-stress environments and applications that are prone to wear.

*Tungsten Carbice-Cobalt-Chrome:* For abrasive or sliding wear applications that are also exposed to corrosion.

*Tungsten Carbide-Nickel Superalloy:* For hydraulic rods, ball valves, drilling, and saltwater applications.

*Chromium Carbide:* Offer high-temperature resistance to solid particle erosion, abrasion, and tribocorrosion.

#### Stainless Steel: For salvage and repair applications

It's important to note that the specific properties of coatings can vary depending on the composition, manufacturing process, and application requirements.

#### **High-Pressure Coating**

- · Applications and Properties
- Can be applied to finished parts (new & used)
- Gates, seats, stems, pistons, mandrels, and washpipes
- Resistance to heat, cold, corrosion, and galling
- No heat treatment needed
- Very hard surface: RC 70
- High bond strength at 12,000+ PSI



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