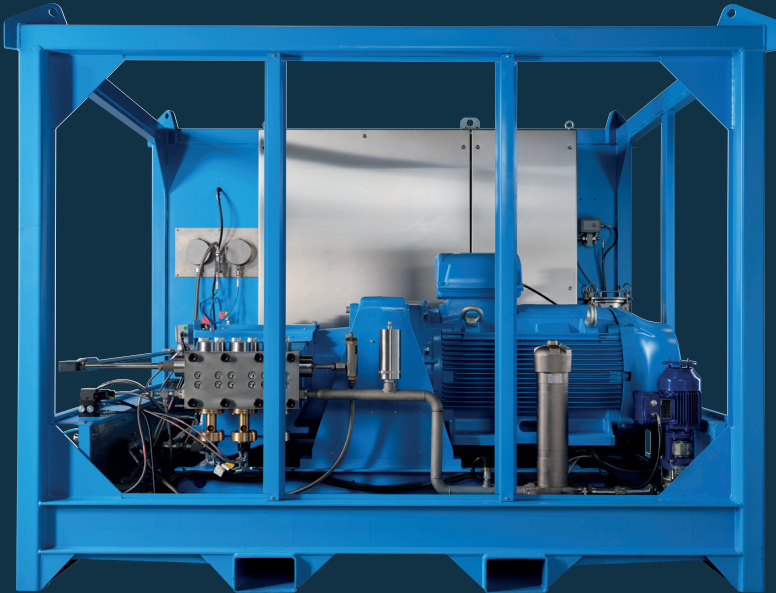


High-Pressure Umbilical Flushing Unit for the Oil & Gas Industry



Industrial high-pressure systems engineered for efficiency

Armstrong **Industrial** delivers high-pressure pumping solutions that combine proven reliability with advanced efficiency technology. Our systems are designed to optimise your operations while reducing energy consumption and operational costs.

Advanced performance

Proven reliability

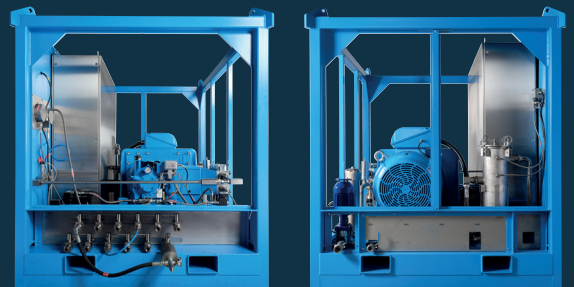
Measurable efficiency

Ceramic RAM Technology

- Superior wear resistance compared to traditional steel components
- Extended service life reduces replacement frequency
- 40-60% lower embodied carbon footprint than steel construction
- Corrosion resistance for harsh operating environments

Intelligent Controls

- Variable speed drives for energy optimisation
- Smart monitoring capabilities for predictive maintenance
- IoT connectivity for performance tracking
- Integration with facility management systems
- Enhanced capacities for heavy-duty operations*



Optimised for Standard Industrial Applications

Flows 10 - 60 Litres/min | 2.5 - 15.8 GPM

Pressures 170 - 1100Bar+ | 2,500 - 16,000 PSI+

Applications

*Available upon request

01
Blow-out prevention systems

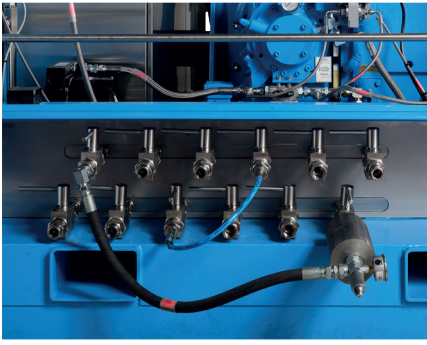
02
Umbilical pressure testing and flushing

03
High-pressure tooling testing and controls

04
Hydro-static pipe testing

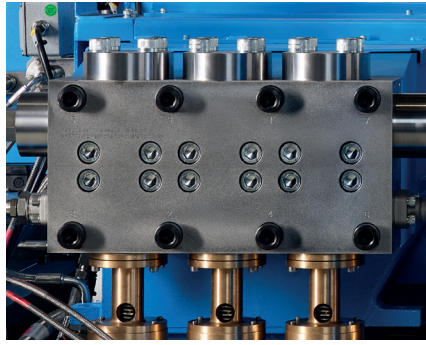
05
Industrial cleaning and descaling

06
Drilling hydraulics: Jetting (up to 60,000PSI)



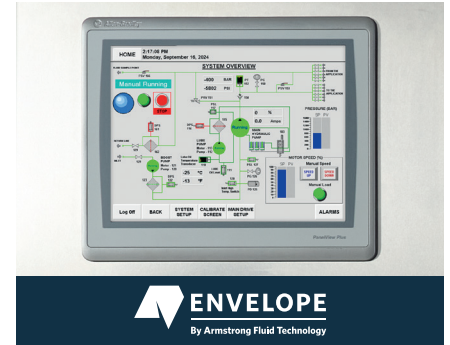
High Pressure Manifold

Supplied with six connections to allow multiple testing, increasing customers capacity.



Valve Lifters

Armstrong **Industrial**'s design providing rapid pressure control, for multiple pressure settings.



Control Panel

Integrated with Armstrong Envelope Optimization, the system enables auto-verified flushing via onboard sensors and adaptive control logic — ensuring precise flow rates, stable pressure, and commissioning without manual checks.

01 High Pressure Manifold

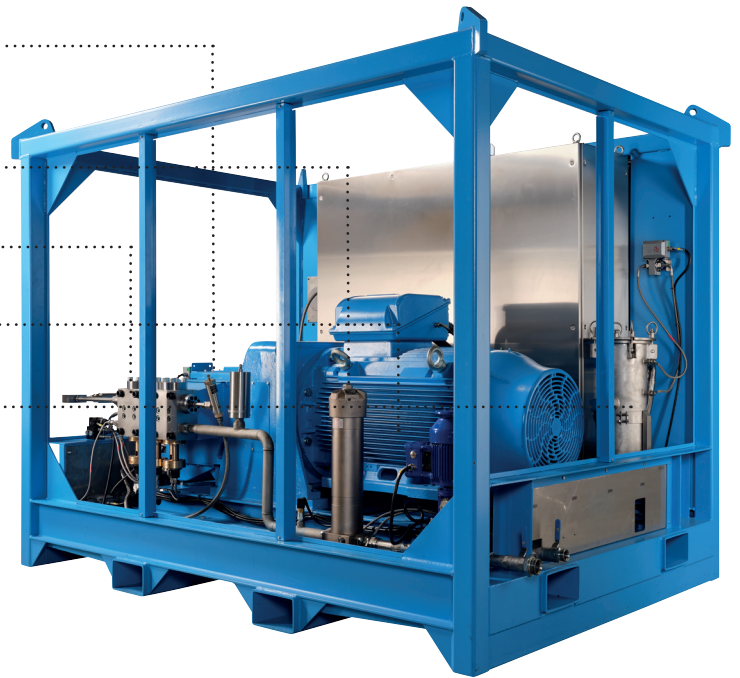
Shown above - Located on left side of unit

02 Suction / Filtration

03 Hydraulic Valve Lifters

04 Motor

05 HP Return Filter



Measurable Environmental Benefits

Reduced Embodied Carbon

Ceramic components have 40-60% lower carbon footprint than steel

Lower Transport Emissions

Lighter construction reduces shipping environmental impact

Extended Equipment Life

Superior materials reduce replacement frequency

Energy Optimisation

Variable speed drives enable power consumption management

Operational Efficiency

Predictive Maintenance

Smart diagnostics help optimise service schedules

Energy Management

Real-time monitoring and optimisation capabilities

Modular Design

Serviceable components extend operational life

Global Support

Responsive technical support and parts availability

Compatible Fluids

Water systems (fresh, salt, de-ionised)

Water and glycol mixtures

Hydrocarbon services (oils, hydraulic fluids)

Alcohol-based fluids

Custom compatibility available for specialised applications

Optional Features

Variable speed drives and advanced controls

Acoustic enclosures for noise reduction

Trailer-mounted mobile configurations

Remote monitoring and diagnostics

Custom pressure and flow specifications

Atex motor

Atex controls system

Nitrogen purge system

High efficiency IE5 motors