



100 VHP SERIES

Triplex Plunger Pumps



Quality Products, Exceptional Customer Service

RAM Pumps Ltd.'s portfolio of Triplex & Quintuplex pump packages are designed and manufactured to the highest degree of precision to ensure total reliability and durability is maintained throughout our range.

RAM Pumps design is in full compliance to API674 along with most industry standards including, ISO 9001/2008, ATEX, EC P.E.D., NACE, Norsok, and GOST. These standards are rigorously maintained to ensure complete inclusion into the most arduous and demanding applications worldwide.

RAM Pump's commitment to flexible design and scope conformance has supported the evolution of a truly comprehensive supply. Including such auxiliary options as:

- Self-driven lubrication systems for both drive and seal arrangements.
- Condition monitoring to customer expectation and specification
- Multiple drive options and adaptations
- Direct mounting of dampers, PVS's etc. to the process fluid end for maximum effectiveness.

Common Applications Include:

Oil and Gas

Glycol Injection or Regeneration Methanol Injection Hydrocarbon Condensate

Hydro Test

Water Production
Drill Cutting Re-Injection
Miscible Gas Injection
Fracking
Liquid Condensate

Injection

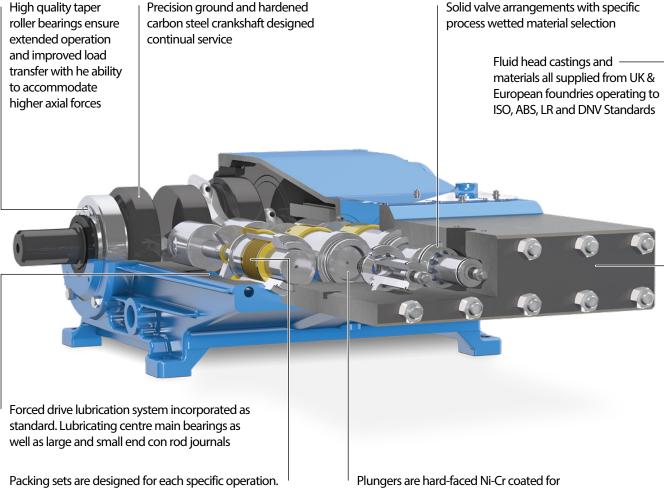
Reverse Osmosis

Desalination Food Processing Pharmaceutics

Industrial

Water Jetting
De-Scaling
Boiler Feed

Quality Focused Design and Manufacturing



Packing lubrication

- Seal flush
- · Self energising seal sets
- · Leak detection and monitoring

Additional options can be incorporated including:

Plungers are hard-faced Ni-Cr coated for sustained operation at varying temperatures, extending packing life whilst minimizing corrosion. Additional materials available to meet application requirements

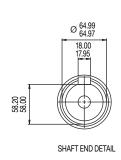
RAM 100 VHP PERFORMANCE

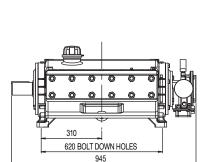
Bore	Stroke	Max RPM (API)	Max RPM (Non API)	Max Flow (API) Ipm / gpm	Max Flow (Non-API) Ipm / gpm
35	100	350	450	160 / 42.3	206 / 54.3
30	100	350	450	118/31	151 / 39.9
25	100	350	450	82 / 21.6	105 / 27.7
20	100	350	450	52 / 13.8	67 / 17.7

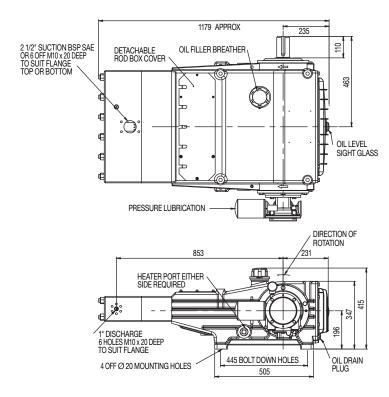
MAXIMUM PRESSURES					
Material	BAR G	PSI			
Carbon Steel WCB	441	6,396			
Carbon Steel Gr 90 60	1,121	16,289			
316 Stainless Steel	360	5,221			
Duplex 22% CR	737	10,689			
Super Duplex 25% Crome	800	11,603			
Inconel 625	800	11,603			

^{*}Maximum absorbed power rating for the Ram 100 VHP Series is 110 kW – Please ensure specific application data is calculated to determine maximum absorbed power required.

Dimensional Drawing







Standard Supply Scope



Packaged Equipment

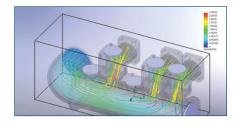


Inspection & Testing

Motors & Drives
Diesel / Gas Engines
Transmission
Structural Fabrication
Pulsation Management
Valves & Filtration
Instrumentation
Electrical Control
Lubrication Systems
VSD / VFD Units
PLC Control Systems
Heating & Cooling

Specialist Painting

Material Certification 3.1, 3.2
Hydrostatic Testing
Performance Testing
Mechanical Testing
NDE - PMI, UT, DP, RT, MPI
NPSH Testing
Pulsation Analysis API674
Mechanical Response Analysis
ISO 9001 2008 Accredited
ISO 14001 Accredited
Supply to ABS, DNV, LR, KR
Supply to NORSOK Standards
NACE Compliance



Project Services

Dedicated Project Teams
In House 3D Design
FEA Analysis Verification
Comprehensive Project Documentation
Automated Document Tracking
TPI Support Service
Global Commissioning Service
On Site Testing Verification
Onshore / Offshore Engineering Support
Aftersales & Support Network
Global Representation
Comprehensive Warranty Scheme
Global Logistics Support