

# OIL & GAS

World leaders in valve integrity

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## TECHNICAL DATA SHEET

Quality Standards:  
ISO 9001:2015  
ISO 14001: 2015  
Issue Date—June 2020  
Revision—01

## RS CLARE HEAVY DUTY 16G PUMP SYSTEM PACKAGE

### Specification

- Heavy Duty Pump System for 16 Gallon / 120 – 130 lb / 50 – 70 kg Drums.
- Designed for ease of operation, and extremely robust and low maintenance.
- 10,000 psi, 100:1 ratio Heavy Duty Pump (max output pressure, pressure can be regulated down).
- Suitable for pumping very viscous heavy duty Valve Lubricant and Sealants at high flow rates.
- ATEX Group II 2GD X certified pump air motor (for hazardous zone 2 use).
- Integrated Stroke Counter, to monitor & control the quantity of Lubricant / Sealant injected.
- Integrated Air Regulator to control the operating pressure of the pump, with shut off valve.
- 14.7 Ft High Pressure delivery hose with QRC, 10K psi rated (extra hoses and longer lengths can be supplied).
- Hose End Assembly with QRC, 10K psi rated.
- Follower plate - bespoke manufactured, stainless steel material with true vacuum seals.
- Drum Cover - bespoke manufactured.



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- ATEX rated Pump air motor with integrated air input pressure regulator and stop valve.
- Grease high pressure outlet manifold with bleed valve and QRC.
- Bespoke stainless steel pump lift handles.

- Integrated stroke counter and exhaust silencer.

### PUMPING PERFORMANCE DATA

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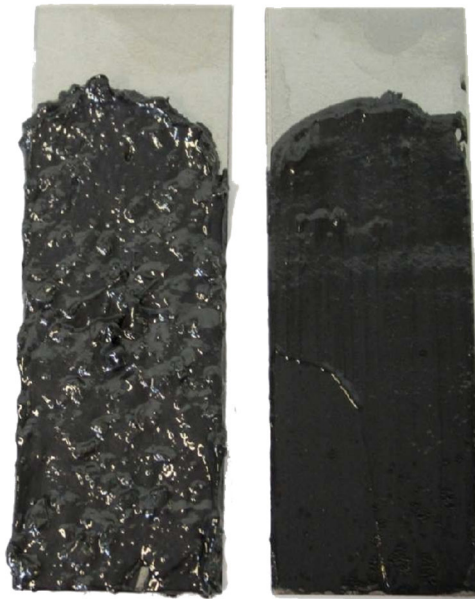


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### PUMPING PERFORMANCE DATA

Flow test were conducted with 2 of RS Clare's viscous, heavy duty products, 'Valve Lubricant 601™' and 'Valve Sealant 701'.



601™

701

Test conducted at various ambient air temperatures. The air inlet pressure was set at the maximum 100 psi. Material was flowed through the entire delivery hose assembly and out of the Safe Vent Coupler end fitting (the connection to the valve injection fitting).

RS CLARE Valve Lubricant 601™ @ 15°C / 59°F:  
Flow rate 0.75 kg per minute / 1.65 pounds per minute

RS CLARE Valve Sealant 701 @ 15°C / 59°F:  
Flow rate 0.40 Kg per minute / 0.88 pounds per minute

RS CLARE Valve Sealant 701 @ 5°C / 41°F:  
Flow rate 0.22 Kg per minute / 0.49 pounds per minute

1 pump cycle is approximately 0.036 kg / 0.08 lbs of material flow.

1 pump cycle is approximately 1.2 CUBIC FEET air consumption @ 100 psi

Must use an air compressor with sufficient air supply rating, or with an air receiver tank to buffer the pump demand.

NOTE – warmer or colder ambient temperatures will affect material flow rates