



# HPP Reciprocating Quintuplex Pump



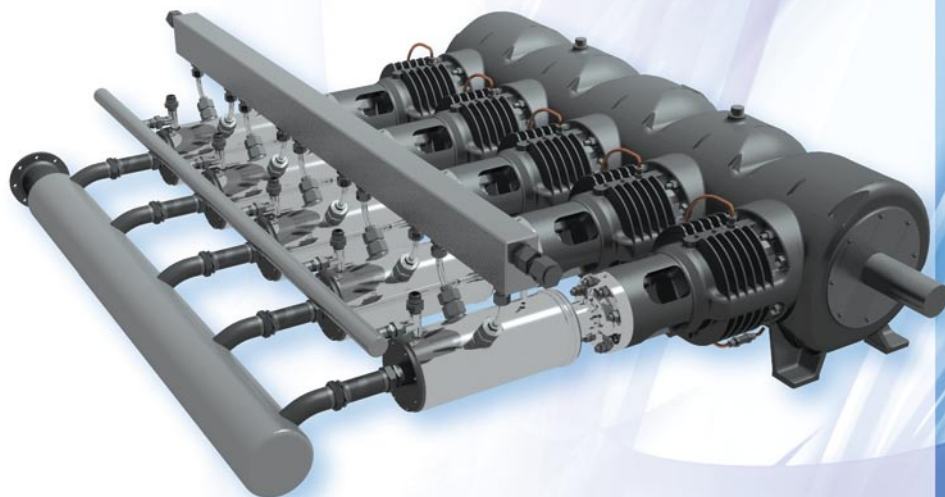
★ **DISTRIBUTION**  
CRYOSTAR

## Technical Index

### ★ Pump ID Meaning

HPP (model)      75 (Ø in mm) / 110 (piston stroke in mm)

Applications	Oil and natural gas well service (Fracturing), high pressure and high flow requirements
Liquids pumped	LIN, LOX, LAr, LCO <sub>2</sub> , LN <sub>2</sub> O, LNG, LH <sub>2</sub>
Drive type	Oil lubricated crank drive
Design pressure	690 bar / 10'000 PSI
Flow	1'135 l/min / 300 gpm
Power	1'635 kW / 2'195 HP



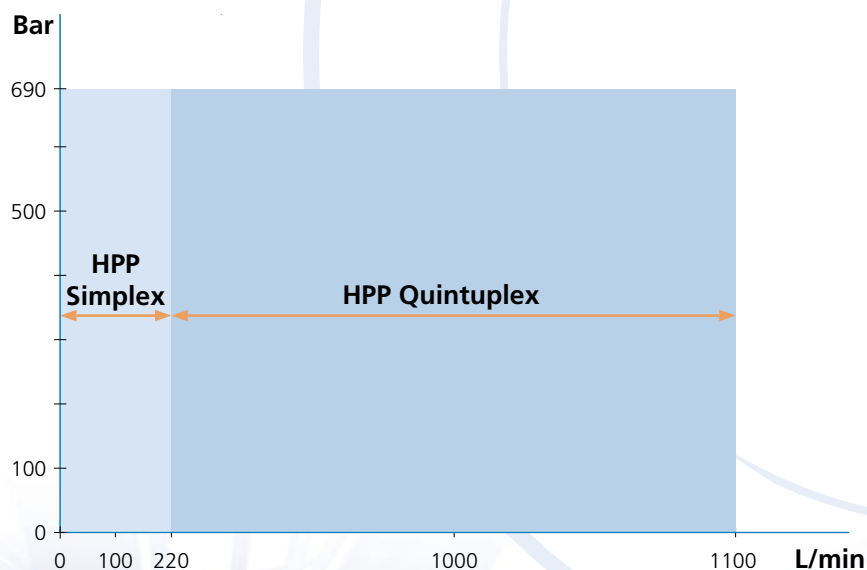
### ★ Test Procedure

Each pump manufactured by CRYOSTAR is mechanically and cryogenically tested prior to shipment in our state-of-the-art testing facility to ensure that performance meets customer specification. The precision of measuring devices provides essential result : differential head, flow rate, seal gas consumption, pump efficiency, NPSH, noise and vibration levels – all documented and submitted to the customer.

### ★ Quality

Designed in compliance with guidelines like IGC 11/82 norm

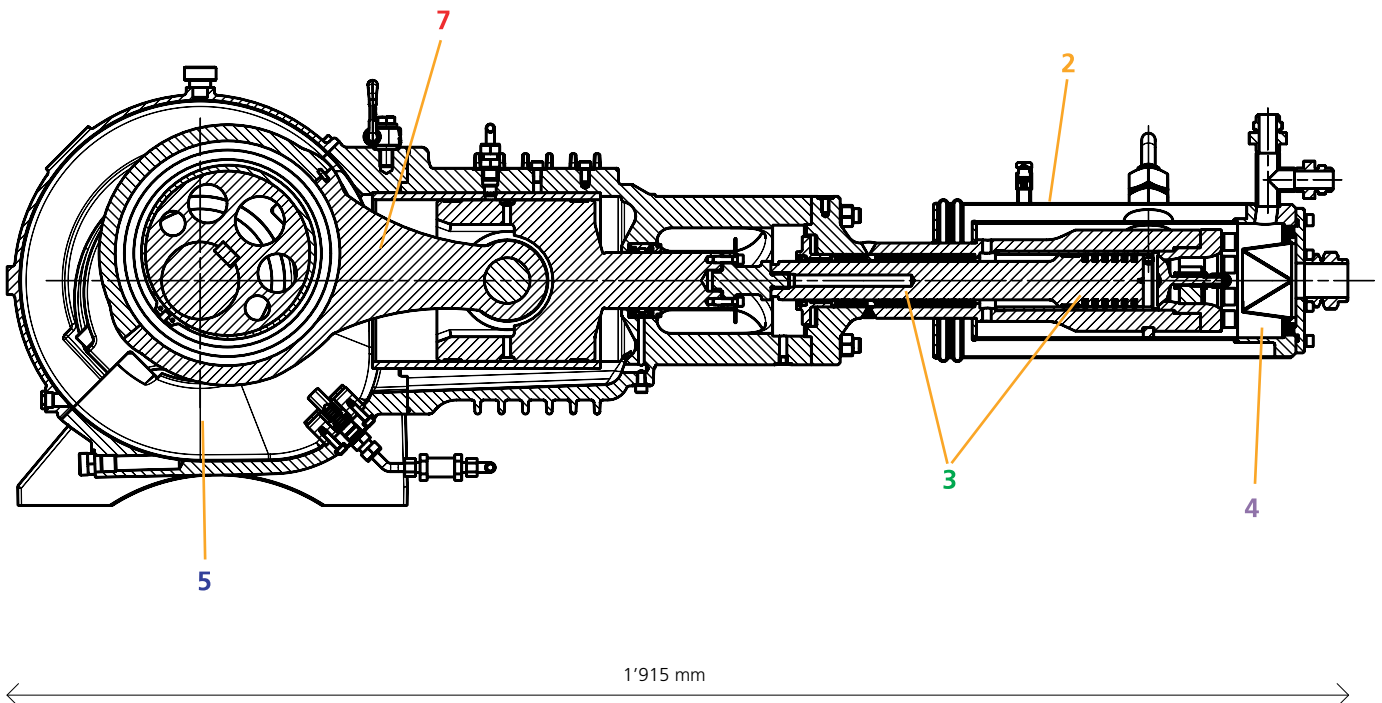
### ★ Performance





## ★ Features

- 1 New redesigned heavier duty construction provides longer running performance than traditional pumps in the industry
- 2 Super vacuum jacketed cold ends to greatly reduce heat inleak
- 3 New special seal design lasting 3 to 4 times longer
- 4 Optimal suction chamber design for much lower NPSH requirements  
-> eliminating need for centrifugal booster pump
- 5 High efficiency splash oil lubrication system  
-> eliminating need for external oil pump
- 6 Higher discharge pressures at higher flow rates
- 7 Longer stroke giving higher flow rates at lower speeds - greatly extending service life



For more details please contact your local Cryostar representative



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