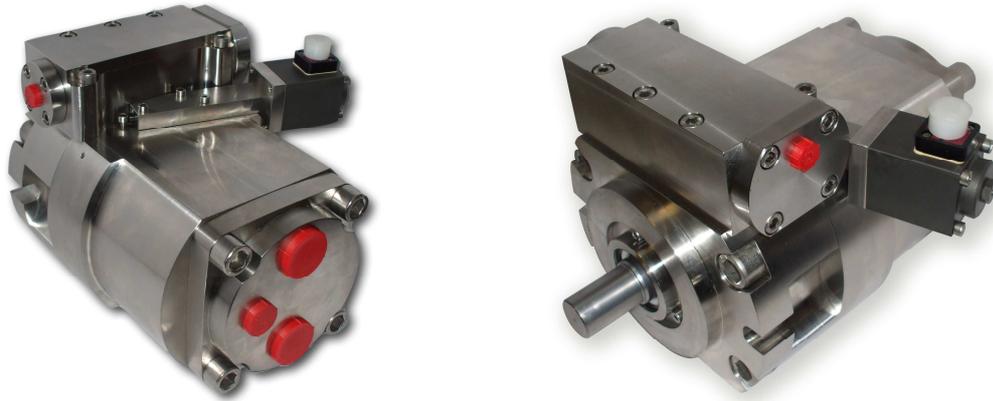


Totally oil free, clean and completely safe for people, processes and products. As a result of employing advanced materials, high velocity and loaded sliding surfaces can operate effectively with water as their only coolant/lubricant. The potential for cross contamination of the system fluid or the lubricating oil is removed. The result is an exceptionally small light weight product. Each bearing employs a hard/soft interface that minimises vibration and ensures a low noise and high efficiency operation.

Manufactured in 316 stainless steel as standard the product offers excellent resistance to corrosive fluids. The materials utilised internally can be selected to suit the most appropriate combinations for not just tap water but also sea water and various other fluids.

Driven direct by a 4 pole synchronous motor the output flow of the pump can be varied between zero and maximum displacement controlled by , electrical, hydraulic or Mechanical means.



### Proposed Forms of Control

- Electronic-** By a proportional solenoid in either closed or open loop configurations, see controllers data sheet for further information.
- Hydraulic-** **Constant pressure control**, the output of the pump will be matched to the system demand by automatically trimming the displacement as a function of the pre set pressure by an integral relief valve.  
**Load sensing control**, the output will be trimmed to offer the flow required by actuator making it a very Efficient form of control.
- Mechanical-** By a manual hand wheel.

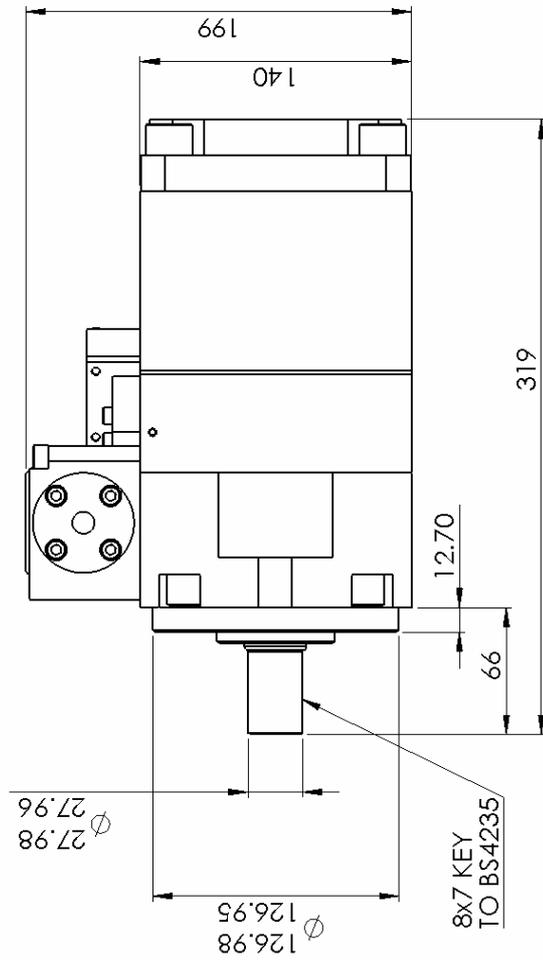
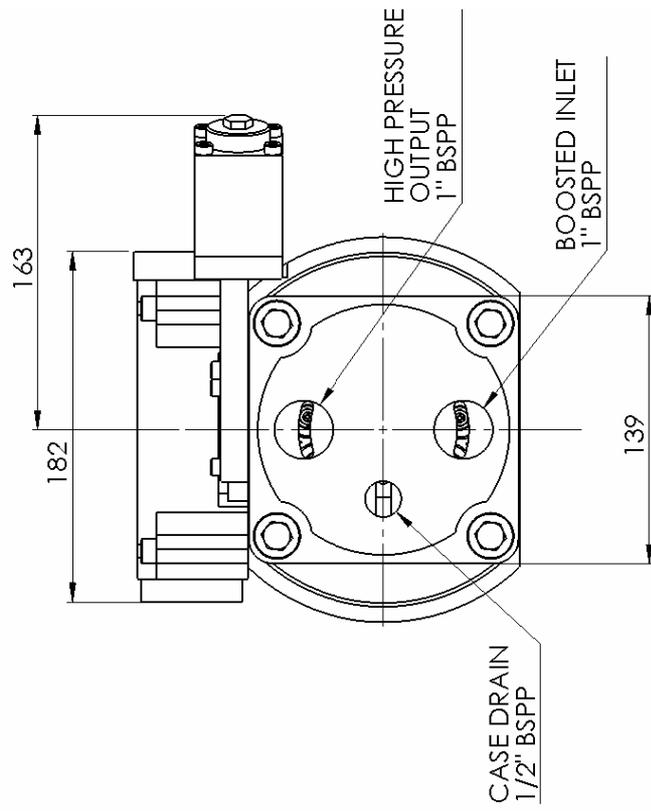
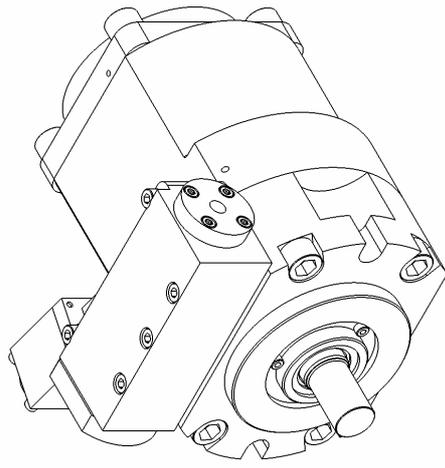
### Motor Pump Assemblies

A standard range of bell housing and couplings are available for connecting the pumps to the B5 electric motor flange. The pumps are not capable of operating with induced axial or radial loads on the input shaft. Always adopt the use of a 3 part Gear style coupling where possible. If the drive shaft/spigot location is within 0.05mm concentricity direct inline drive assemblies are permissible.

- Maximum continuous pressure – 160 bar
- Minimum Inlet pressure – 3.0 bar

Ordering Codes	Max flow L/min @1500 rpm	Max Power @160 bar
P60 PV160-60W	110	29kW
P180 PV160-180W	330	88kW

PVI60-60W



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