

PP PUMP RANGE

HORIZONTAL END SUCTION, **MECHANICALLY SEALED**, CENTRIFUGAL PUMPS



 CAPACITY <26 M³/HR

 HEAD <22 Metres

 HIGHLY FLEXIBLE DESIGN

 MACHINED FROM SOLID

 CORROSION RESISTANT

 SOLID HANDLING

Part of the
MECHANICAL SEAL
Pump Range

PP



PPM



ECC



MECHANICAL SEAL OVERVIEW

Mechanically sealed pumps machined from plastic are the ideal choice for corrosive applications, especially when solids are involved. Manufactured from solid thermoplastic blocks, gives outstanding strength and robustness for applications that demand longevity in the harshest of environments.

Because every mechanically sealed plastic pump is manufactured in the UK, we are able to tailor every pump to your exact requirements. Whether this be a specific cartridge seal, or the pump built to match existing pipework, we can supply a pump that is right for you with a minimal change in lead time or cost.

PP PUMP OVERVIEW

Our PP range of mechanical seal pumps have been perfected over 40 years. Manufactured in the UK from solid to ensure absolute durability and efficiency against the corrosive and acidic properties that the PP range were designed to tackle.

The PP range comes in polypropylene, PVC, PTFE, PVDF or 316 stainless steel. All the chemical pumps can be fitted with a range of mechanical seals making them suitable for all different chemical applications.

Due to their semi open impeller, all mechanical seal pumps can be utilized in applications where solids are present, such as various wastewater applications.

Priming chambers can also be fitted to allow suction lifts of up to 4.5 metres.

All of our pumps come with our no obsolete parts policy, meaning if you have a Crest pump for 40 years, we will be able to provide you with parts and an exact replacement to minimise disruption to your process.



**24 MONTHS
WARRANTY**



**ATEX ZONE 1/2
CERTIFIED**



**FLEXIBLE TO
DESIGN SPEC**



**NO OBSOLETE
PARTS POLICY**



**HIGH
EFFICIENCY**

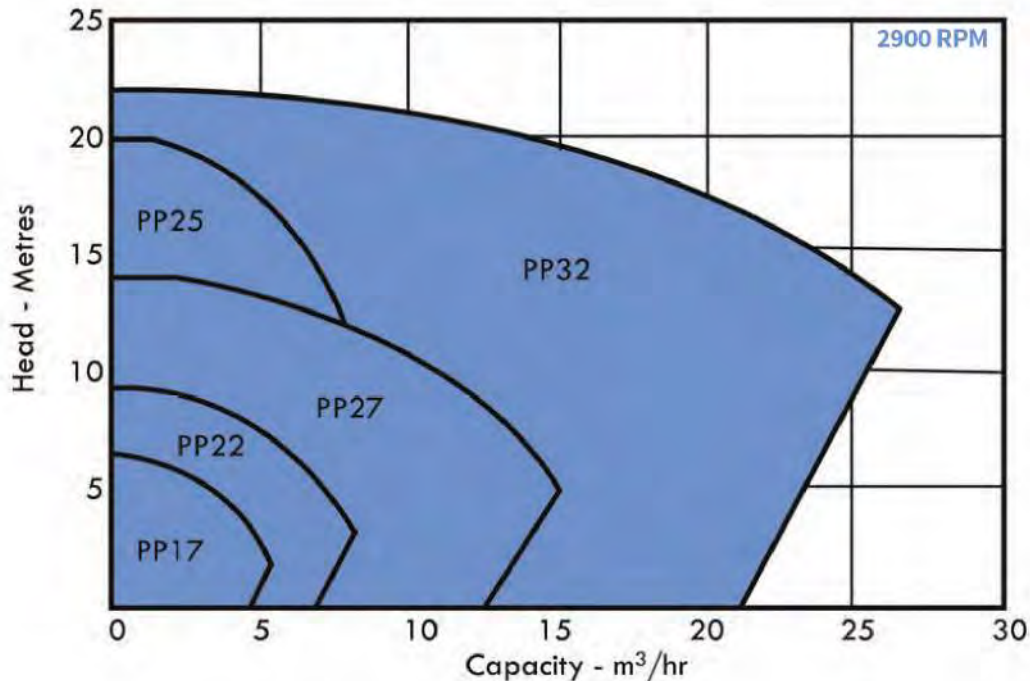


**CORROSION
RESISTANCE**

PP PUMP RANGE

HORIZONTAL END SUCTION, **MECHANICALLY SEALED**, CENTRIFUGAL PUMPS

PP PUMP RANGE CURVES



TECHNICAL SPECIFICATIONS

| MODEL | SUCTION (inches) | DISCHARGE (inches) | SPEED (rpm) | RATED CAPACITY (m³/hr) | RATED HEAD (m) | MAX CAPACITY (m³/hr) | MAX HEAD (m) | MOTOR OUTPUT (kW) |
|-------|------------------|--------------------|-------------|------------------------|----------------|----------------------|--------------|-------------------|
| PP17 | 1 | 0.75 | 2900 | 3 | 4 | 6 | 6 | 0.55 |
| PP22 | 1.25 | 1 | 2900 | 5 | 6 | 9 | 8 | 0.55 |
| PP25 | 1.5 | 1 | 2900 | 6 | 14 | 11 | 20 | 1.5 |
| PP27 | 1.5 | 1.25 | 2900 | 12 | 8 | 18 | 12 | 1.5 |
| PP32 | 2 | 1.5 | 2900 | 15 | 17 | 25 | 22 | 2.2 |

VERSATILITY FOR ALL APPLICATIONS

The PP range of mechanically sealed pumps have been built to endure all types of applications. Applications that include chemical transfer, tanker offloading, fume scrubbing, re-circulation and waste water handling. Priming chambers can also be fitted to allow suction lifts up to 4.5 metres.

Crest Pumps Group manufacture our pumps in the UK meaning we can offer greater versatility to modify any standard pump to meet any particular plant requirements. This can vary from fitting a particular seal type, to modifying the location of the inlet and outlet to fit existing pipework, usually with very little difference to the price or lead time.

NO OBSOLETE PARTS POLICY

Our whole range of mechanical seal pumps come with our no obsolete parts policy guarantee. Meaning if you have a Crest manufactured centrifugal pump (even in service for over 40 years) we guarantee to provide spares, maintenance or an exact replacement of the original pump. Complete with all modifications and specifications.

PP PUMP RANGE



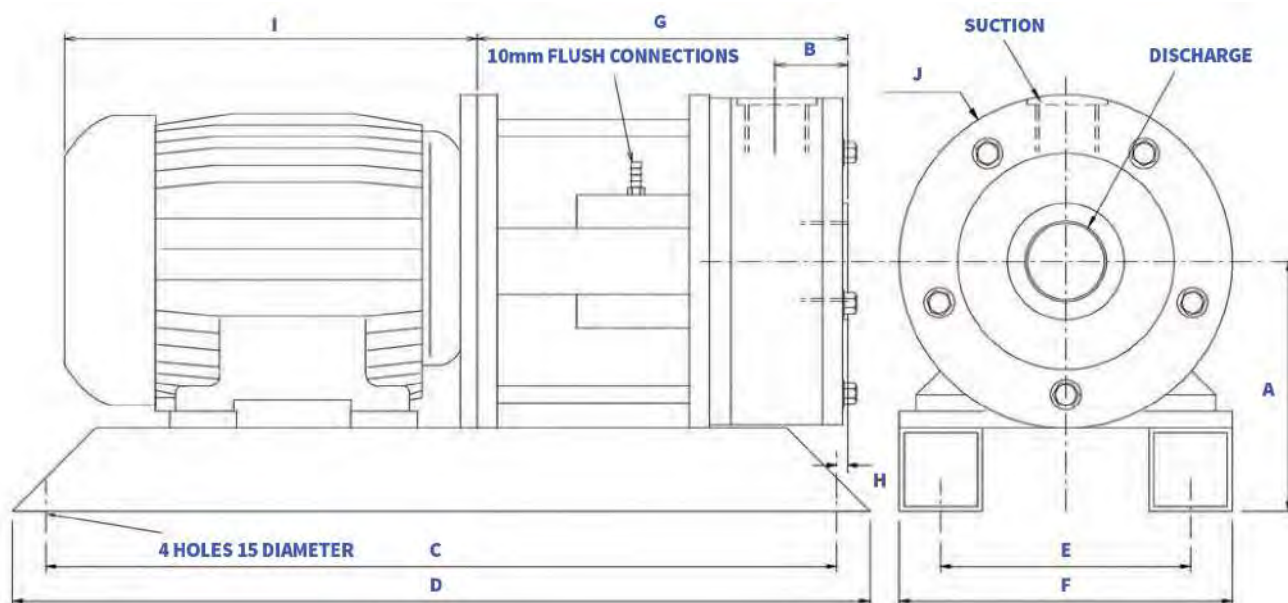
HORIZONTAL END SUCTION, **MECHANICALLY SEALED**, CENTRIFUGAL PUMPS

RANGE DIMENSIONS

For specific 3D CAD drawings or specific pump dimensions, please contact us at info@crestpumps.co.uk or telephone +44 (0)1425 627700.

NOTE:

1. * The total length and weight of the pump will differ depending on the brand of the motor.
2. All dimensions are in mm.
3. Assembly tolerances are +/- 3mm.

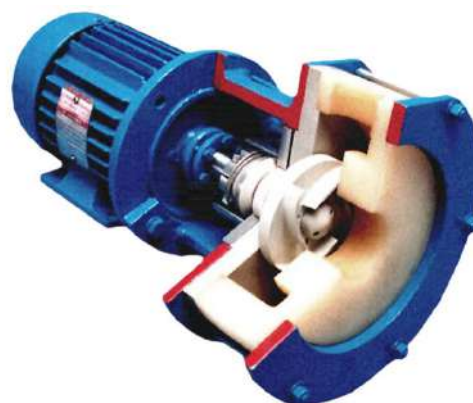


| MODEL | A | B | C | D | E | F | G | H | I | J | FRAME | SUCTION (inches) | DIS-CHARGE |
|-------|----|----|-----|-----|-----|----|---------|----|-----|-----|-------|------------------|------------|
| PP17 | 71 | 23 | 112 | 132 | 90 | 45 | 136/172 | 7 | 218 | 125 | D71 | 1 | 3/4 |
| PP22 | 80 | 45 | 125 | 149 | 100 | 50 | 169/202 | 10 | 236 | 170 | D80 | 1 1/4 | 1 |
| PP25 | 90 | 42 | 140 | 164 | 100 | 56 | 210/252 | 10 | 254 | 254 | D90s | 1 1/2 | 1 |
| PP27 | 90 | 44 | 140 | 164 | 100 | 56 | 188/222 | 10 | 254 | 254 | D90s | 1 1/2 | 1 1/4 |
| PP32 | 90 | 42 | 140 | 164 | 100 | 56 | 210/252 | 10 | 254 | 254 | D90l | 2 | 1 1/2 |



40+ YEARS EXPERIENCE

Crest pumps group began designing and manufacturing our mechanical seal range from solid in 1973, and have continued to improve and enhance the specifications of the range to make the pumps even more efficient and reliable. We have a great sense of pride when we receive a spares enquiry for a pump supplied and built over 25 years ago.



PLASTIC MECHANICAL SEAL PUMPS

PP PUMP RANGE



HORIZONTAL END SUCTION, **MECHANICALLY SEALED**, CENTRIFUGAL PUMPS

CASE STUDY - COCA COLA

“Coca Cola has relied on Crest Pumps for over 24 years to ensure the treatment process remains efficient and reliable”

Coca-Cola is one of the world's largest brands. The company produces over half of all carbonated soft drinks consumed across the world. As Coca-Cola was refurbishing its Wakefield Plant, they required 4 types of corrosion resistant, reliable and energy efficient mechanically sealed pumps for the waste water treatment process.

Crest Pumps has a vast wealth of experience in dealing with orders which need to be built quickly and tailored to a client's current pipework. Crest Pumps sent one of its qualified engineers up to the plant to better understand Coca-Cola's situation and how Crest could help improve and supply a solution to their problem.

Crest supplied one PP32 and three PP27 pumps which are reliable and tailored to fit exactly into the existing pipework, constructed from corrosion resistant Polypropylene.



CREST PLASTIC MECHANICAL SEAL PP PUMPS - UTILISED BY



APPLICATIONS



CHEMICAL

Chemical application include chemical transfer, dosing, re-circulation, filtration, fume scrubbing and tanker off-loading.



PETROCHEMICAL

Previous petrochemical installations include high temperature, high pressure, highly viscous applications as well as chemical injection, re-circulation, off-loading and solid handling.



WATER TREATMENT

Providing reliable process pumps to the UK's largest waste-water treatment providers, for chemical transfer, desalination, reverse osmosis, water treatment and tanker unloading.



PHARMACEUTICAL

Pharmaceutical companies have relied on Crest Pumps to provide pumps for ATEX requirements, chemical injection, CIP pumping, solid handling, high viscous medias and highly toxic applications.



BIOFUELS

Fully ATEX certified process pumps for transfer of liquids in explosive atmospheres, solids handling, tanker unloading, recirculation and transfer.



ENERGY GENERATION

Pumps supplied for various energy generation applications, including wind turbine, solar, and Vanadium redox flo batteries.



MARINE

Centrifugal pumps supplied for various below deck applications including ballast water treatment, electrolysis, desalination and sea water cooling systems.

Available in New Zealand from:

Prime Fluid Management

Head Office: 10 Chesterfield St

Greymouth, West Coast

0800 482 747

primefluid.co.nz

