



AUTOPRIME

HH100 & HH150 - 4" (100mm) & 6" (150mm) High Head Automatic Priming Pumps

The SPP Pumps AUTOPRIME HH100 and HH150 pumps are designed for applications where a high lift is required. These will include mines and quarries and major works such as tunnels and deep foundations. Pumps are supplied for use with engines selected to suit the duty and customer preference. Mechanical Prime (MP) or Electrical Prime (EP) systems can be supplied with these pumps.



DESIGN FEATURES

- Suitable for driving with a diesel engine or electric motor using a proprietary shaft coupling.
- Customers may fit the pump on a locally designed chassis to suit their market requirements.
- Pump will pass solids up to 1.25" or 1.8" (32 or 45mm) diameter.
- Reliable double mechanical seals or vacuum pressure seal allow dry running for extended periods.
- Pump will prime itself automatically when liquid is present and can be left running unattended.
- Rugged construction requires minimal operator maintenance.
- Electrical Priming (EP) system parts are supplied fitted ready for use, alternatively:
- Mechanical Priming (MP) vacuum pump and coalescer are supplied separately.

PUMP SPECIFICATIONS

Pump Performance	HH100	HH150	
Maximum Flow Rate	1440 USgpm (327 M3/h)	2774 USgpm (630 M3/h)	
Maximum Discharge Head	249 ft (76 m)	368 ft (110 m)	
Maximum Power Required	75HP (56kW) at 2200rpm	161HP (120kW) at 2200rpm	
Working Pressure	145psi (10bar) Max	Hose Size	4 & 6 in (100 & 150mm) Dia. Max.
Max Solids Size	1.25/1.8in (32/45mm) Dia.	Pump Speed	1500 rpm to 2200 rpm
Pump Casing	Cast Iron	Optional Seal Type	Vacuum Pressure Seal
Impeller	Cast Iron	Coalescer Type	Single or Double Pass
Pump Shaft	Chromium Steel	Coalescer Oil Capacity	1.3 USgal (5l)
Wear Plates	SG Iron	Mechanical Seal Oil Capacity	1.3 USgal (5l)
Suction Sump	Cast Iron	Vacuum Pump Capacity	65cfm (110m3/h) Max
Seal Faces	Silicon Carbide/Silicon Carbide		
Seal Elastomer	Viton	Weight Complete	Refer to SPP Pumps

Specifications may be subject to change without notice.

For a detailed GA drawing, please refer to SPP Pumps Inc.