



AUTOPRIME

XF Range - 12" (300mm) Extra Flow Automatic Priming Pumps

The SPP Pumps AUTOPRIME XF Range of pumps are designed for extra high flow applications. These are usually watercourse diversions and water management projects. Due to the high power requirements the pumps are specified to match customer applications using a variety of engines, priming systems and chassis options including enclosures for use in noise sensitive areas and fuel tanks for extended running.



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 4.4" (115mm) diameter.
- Reliable double mechanical seals 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	XF300/387	XF300/418	XF300/475
Maximum Flow Rate	6400 USgpm (1400 M3/h)	7700 USgpm (1600 M3/h)	8000 USgpm (1650 M3/h)
Maximum Discharge Head	260 ft (82 m)	300 ft (95 m)	400 ft (130 m)
Maximum Power Required	220 HP (164kW) at 2000rpm	290HP (216kW) at 2000rpm	460 HP (343kW) at 2000rpm
Working Pressure	Refer to SPP Pumps		Hose Size 12 in (300mm) Dia. Max.
Max Solids Size	4.5in (112mm) Dia.		Pump Speed 1200rpm to 2000rpm
Pump Casing	Cast Iron		Optional Seal Type Not Applicable
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.

