



# It's smaller and lighter – and it's a Godwin through and through

GODWIN VAC-PRIME 4" AND 6" FOR LOW TO MEDIUM HEADS

godwin   
a xylem brand

# We've stripped down everything - except the quality

When there's water to move - and downtime is just not an option - there's a pump you can always trust: a Godwin.

Until now, you could only use Godwin pumps for medium to high heads. But with Vac-Prime, you can now get Godwin reliability for lower head jobs too.

## Punches above its weight

Even though a Vac-Prime is small and light, it's made to the same exacting tolerances as the larger members of the family. So, not only is a Vac-Prime reliable, but it's also a lean machine that punches above its weight, providing best-in-class heads, plus excellent fuel economy.

## Fully automatic self-priming - more uptime

Vac-Prime automatically primes and re-primed from dry, making it ideal for a wide range of contractor applications, including wellpoint dewatering.

## All mechanical vacuum priming - more reliable

The vacuum priming unit is mechanically operated. This provides a much higher level of reliability than systems that rely on electronic sensors and probes.

## Specifications

	4 INCH	6 INCH
Suction connection	4" BS10 Table D	6" BS10 Table D
Delivery connection	4" BS10 Table D	6" BS10 Table D
Max capacity	185 m <sup>3</sup> /hr	375 m <sup>3</sup> /hr
Max Head	25 m	25 m
Solids handling	45 mm	75 mm
Impeller diameter	220 mm	260 mm
Max operating temp	80 °C	80 °C
Normal Operating Speed	1800 rpm	1600 rpm
Rated Power	12 kW	18 kW
Engine	2 cylinder Air Cooled	3 cylinder Air Cooled
Fuel Tank Capacity	75 litres	75 litres
Fuel Consumption	3 l/hr	4.5 l/hr
Weight (dry)	750 - 1000 kg	750 - 1000 kg
Dimension L x W x H	1700 x 850 x 1200	1700 x 850 x 1200
Vacuum Pump	50 m <sup>3</sup> /hr	50 m <sup>3</sup> /hr

The pumps are powered by either diesel engines or electric motors from mainstream manufacturers with worldwide support.

The Vac-Prime series at a glance:

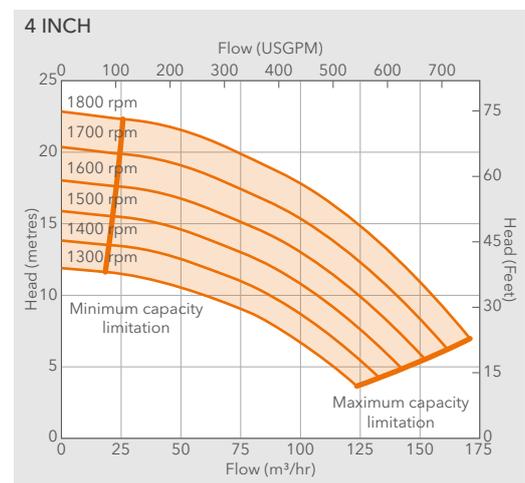
- Head: 11-25 meters
- Flow: 100-374 m<sup>3</sup>/h
- Solids handling: 45-75 mm

Use Vac-Prime pumps for -

- General site dewatering
- Wellpoint dewatering
- Draining canals, open excavations, basements
- Quarries, washing aggregate and concrete castings
- Pumping water containing solids
- Pumping bentonite and drilling mud
- Water supply from wells or canals



## Performance





**Extended dry-running** • When pumps run dry, seals can overheat and crack. But Godwin seals run in an oil bath which dissipates the heat allowing for problem-free dry-running.

**Trouble-free mechanical seals** • Our standard mechanical seals feature silicon carbide faces. They are highly resistant to abrasion and give you a long, trouble-free service lifetime.

**High-uptime wet end** • The Vac-Prime wet end is the same as the tried and proven design in the larger Godwin pumps. It offers long service intervals and minimum downtime.

**Compact, easy to move** • Vac-Prime is easy to transport and move. It does not require specialist transport and with its lifting frame, fork pockets or optional wheels, it needs minimal on-site equipment.

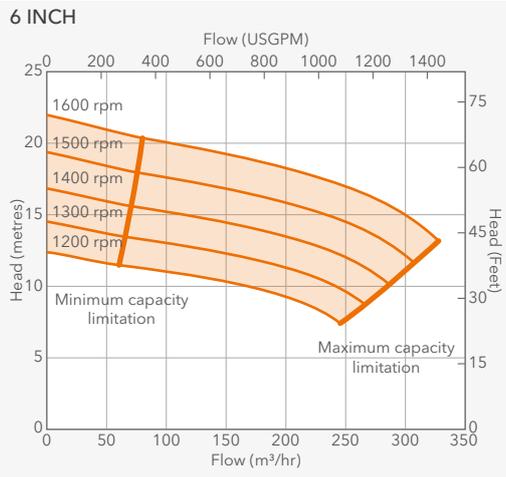
**Durable chromium steel impeller** • Made from cast steel with high chromium content, the impeller is shatterproof and extremely durable.

**Fast evacuation** • Vac-Prime is a powerful, fast priming pump. The speed of air evacuation is due to a combination of the high efficiency vacuum pump and the priming system.



### A full range of accessories

The pumps are supplied on a base-plate or optional trailer. A full range of accessories are available including wellpoint pipes and fittings, header pipes, riser pipes, adapters, swing arms and self-jetting wellpoint screens.



### Materials

	4 INCH	6 INCH
Pump Casing	Cast Iron BSEN1561:- 1997	Cast Iron BSEN1561:- 1997
Wearplates	Cast Iron BSEN1561:- 1997	Cast Iron BSEN1561:- 1997
Mechanical Seal Face	Silicon Carbide v Silicon Carbide	Silicon Carbide v Silicon Carbide
Vacuum Pump	Cast iron	Cast iron
Impeller	Cast Steel BS3100 A5 Hardness 200HB	Cast Steel BS3100 A5 Hardness 200HB
Non-return valve body	Cast Iron BSEN1561:- 1997	Cast Iron BSEN1561:- 1997
Pump shaft	Steel BS970 -1991 817M40T	Steel BS970 -1991 817M40T
Suction tank and oil reservoir	Aluminium	Aluminium

With reservation for changes. For additional specifications, see product technical documentation.

# Xylem ['zīləm]

- 1) The tissue in plants that brings water upward from the roots
- 2) A leading global water technology company

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to [xylem.com](http://xylem.com)



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