

## Brumby XS1c pump

Where deep water is available (over 55m/180ft) for maximum water delivery or where air pressure is limited (below 100psi), the Brumby XS1c can extend the submersion depth and consequently water production

- Water depth is and remains over 1/3 of the total vertical lift. The deeper you can submerge the pump in water, the more it will deliver. Water level self-regulates by virtue of the pump's design and operating principle. Pump will still operate with substantially reduced submersion/lift ratio, but water delivery rate may be low
- Delivery rate can be as much as 8000L/hr+, depending on the water source, submersion in water, lift above the water, air supply and piping size.
- Vertical lift up to 100m (300ft) is no problem with a regular 5 to 15cfm off-the-shelf compressor (slow revving compressor is recommended for long service life and low noise). If the lift is higher, please contact us to discuss.
- (we have lifted water and oil from up to 1200ft (400m).

- **Maximum submersion in water:**

1. 90psi (620kpa) = 50m submersion
2. 100psi (690kpa) = 55m submersion
3. 110psi (760kpa) = 60m submersion
4. 120psi (830kpa) = 67m submersion
5. 130psi (895psi) = 73m submersion
6. 150psi (1035kpa) = 85m submersion)

- The deeper the submersion in water, the higher the water delivery rate and the higher the air pressure requirement. Less air pressure, lower submersion in water
- Bore/well casings need to be at least 4 inch ID (100mm)
- **Can also be used to clean out silted bores/wells**



For more information please go to our home page [www.brumbypumps.com](http://www.brumbypumps.com) or email [info@brumbypumps.com](mailto:info@brumbypumps.com)