

# Farm Pumps

## Onga Farmmaster Shallow Well Pumps & Injectors

Onga's cast iron Farmmaster series of pumps are engineered for ultimate reliability and performance. These pumps give outstanding performance in almost any situation – whatever you need to do with water, you can't beat an Onga Farmmaster. With cast iron construction and precision engineered internals, Farmmaster pumps are built tough to last in Australia's demanding conditions.

### JJ Range

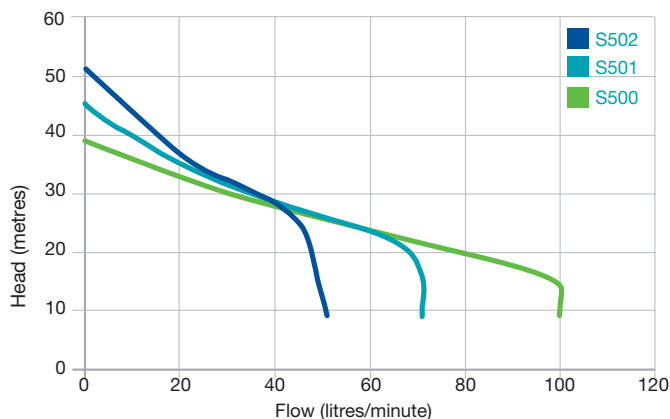


The Farmmaster "Junior Jet" JJ range are compact and efficient pumps. Constructed in cast iron with precision-moulded hydraulic components, they are built for many years of hard work. For those looking for a household pump for the largest homes, the JJ400 or JJ600 can provide strong pressure throughout.



JJ600 with AP80 tank

### JJ400 Performance



### OJ Range



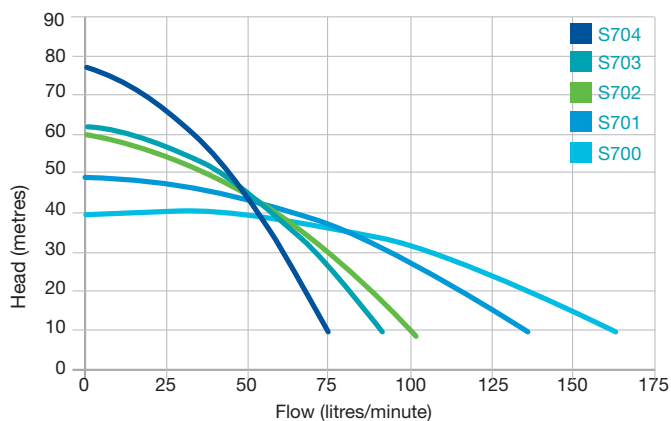
The Farmmaster OJ range are the flagship of the Onga range, offering performance, efficiency and reliability in a solid cast iron casing. Their tall design means that the impeller is never operating in air, so priming is never a problem.

**Applications:** Stock watering, irrigation and water transfer from dams, creeks, wells and bores.



OJ800 with Sig. 2000 tank

### OJ700 Performance



#### INJECTORS **Shallow Well**

Onga offers a range of 19 shallow well injectors to adapt the JJ and OJ range to your pressure and flow requirements.



#### INJECTORS **Deep Well**

Along with the range of shallow well injectors are 23 deep well injectors for lifts greater than 7.6m. See pages 12 & 13.



Source

Your source of water may be from a dam, groundwater or a river.



Storage

In many cases farm water supplies are stored in a dam — or taken directly from source to use with no storage.



Pump

The wide range of injectors available means that they adapt to suit your application — not the other way around.



pressure control

Automatic control of these systems is usually achieved with reliable pressure switches.

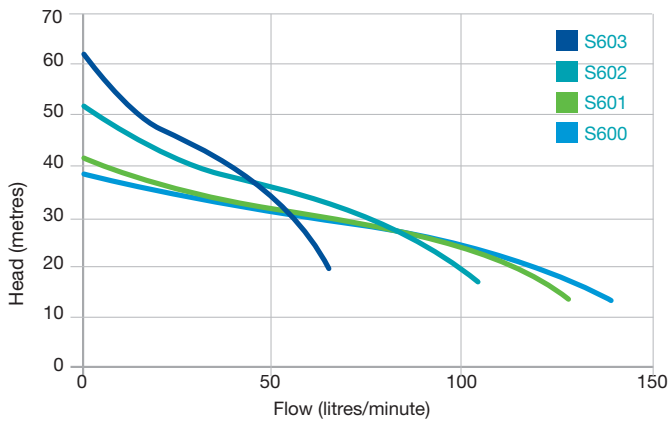
## Farmmaster Pumps features

High efficiency moulded impellers	Lower running costs, high performance
Coated cast iron construction	Ultimate strength and longevity
Adaptability	Can be engineered to fit almost any situation
Long suction possible	Take water from any source
TEFC industrial motor	Reliable and efficient drive

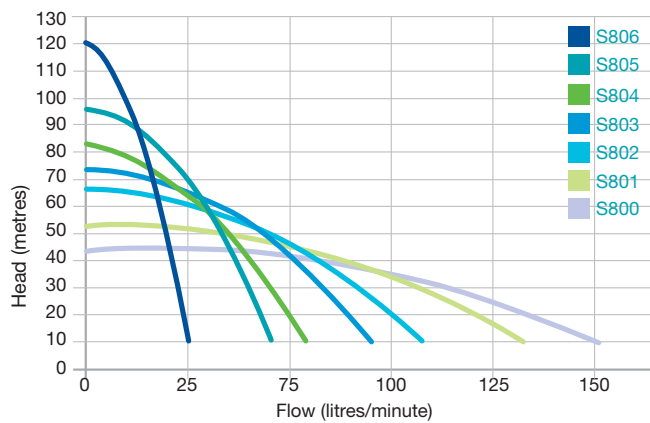
## Farm Pumps

Your Onga dealer can tailor these strong and versatile pumps to your particular requirements, using interchangeable internal components delivering you the efficiency you demand. You don't have to compromise – Farmmaster pumps adapt to your needs. If electricity is a problem at your site, choose Honda petrol or Yanmar diesel power.

### JJ600 Performance



### OJ800 Performance



pressure storage

Onga offers a full range of pressure tanks: moulded, steel and fibrewound. All are serviceable, unlike other brands.



Treatment

See page 39 for the H2Onga range of water treatment products



Use

**ongal**<sup>®</sup>  
TAKING WATER FURTHER

# Farm Pumps

## Onga Farmmaster Deep Well Pumps & Injectors

These pumps have evolved with the needs of Australian farmers and landowners since Onga's beginnings in 1967. They have benefited from over 35 years of outstanding pump engineering.

The flagship of our range, the OJs, perform reliably in almost any situation – whatever you need to do with water, you can bet on an Onga OJ. They're perfect for drawing water from any convenient source and taking it where you need it.

### JJ Range



The JJ pumps equipped with deep well injectors are ideal for supplying water from sources where the suction lift is greater than 7.6 metres. In fact, they can be set up to draw water from any source down to 40 metres. If your source changes, they can easily be converted between shallow well and deep well applications – there is no need to buy another pump.

### OJ Range



OJ pumps equipped with deep well injectors can handle suction lifts down to 49 metres. Strong cast iron construction, industrial spec motors, and precision-moulded components work together to provide a rugged and reliable pump for your important applications.

**Applications:** Tank filling, irrigation and sprinklers, stock water and household water supply.

Model (Watts)	Injector size (inch)	Injector size (inch)	Injector model	Max Pump Pressure (kpa)	Minimum operating pressure (kpa)	BORE WATER PUMPING LEVEL OR SUCTION LIFT (METRES)														Suction Pipe	Pressure Pipe						
						6	9	12	15	18	21	24	27	30	34	37	40	43	46			49					
JJ400 (750W)	140-280	3 1/4	D411	400	95	60	45	35	25	18											1 1/4"	1"					
		3 3/8	D521	400	100	75	65	50	40													1 1/2"	1 1/4"				
			D511	385	100					25	20	18	13										1 1/2"	1 1/4"			
JJ600 (1100W)	140-280	3 1/4	D417	410	140	78	58	43														1 1/4"	1"				
			D413	430	140				30	25	18												1 1/4"	1"			
		3 3/8	D523	414	160	100	85	63	47														1 1/2"	1 1/4"			
			D513	400	165					40	30	20	15											1 1/2"	1 1/4"		
OJ700 (1500W)	210-350	#4 3/8	D620	500	124				52	45	40	33	25	20	18	13							2"	1 1/2"			
		3 1/4	D414	455	186	90	78	60															1 1/4"	1"			
			D415	483	186				40	30	28	18	15											1 1/4"	1"		
		3 3/8	D514	469	179	120	105	75	63															1 1/4"	1"		
			D515	483	193					50	40	30													1 1/2"	1 1/4"	
			D516	455	193									28	20	13	10								1 1/2"	1 1/4"	
		#4 3/8	D611	462	179	135	120	113	90																1 1/2"	1 1/4"	
OJ800 (2400W)	210-350* or 280-420		D612	483	186					68	60	48												2"	1 1/2"		
			D613	518	193								54	35	25	25	15								2"	1 1/2"	
		3 3/8	D520	573	248	160	135	113	85																1 1/2"	1 1/4"	
			D518	690	262					63	58	43														1 1/2"	1 1/4"
			D519	656	262								38	30	23	18	15									1 1/2"	1 1/4"
		#4 3/8	D618	517	214	205	173	150																		1 1/2"	1 1/4"
			D619	600	242				125	100	85																2"
	D616	711	276							68	60	50													2"	1 1/2"	
	D617	662	276										48	40	33	28	25	20							2"	1 1/2"	

\* Factory pressure switch setting

# Special injectors are available to fit down 4" PVC pipe

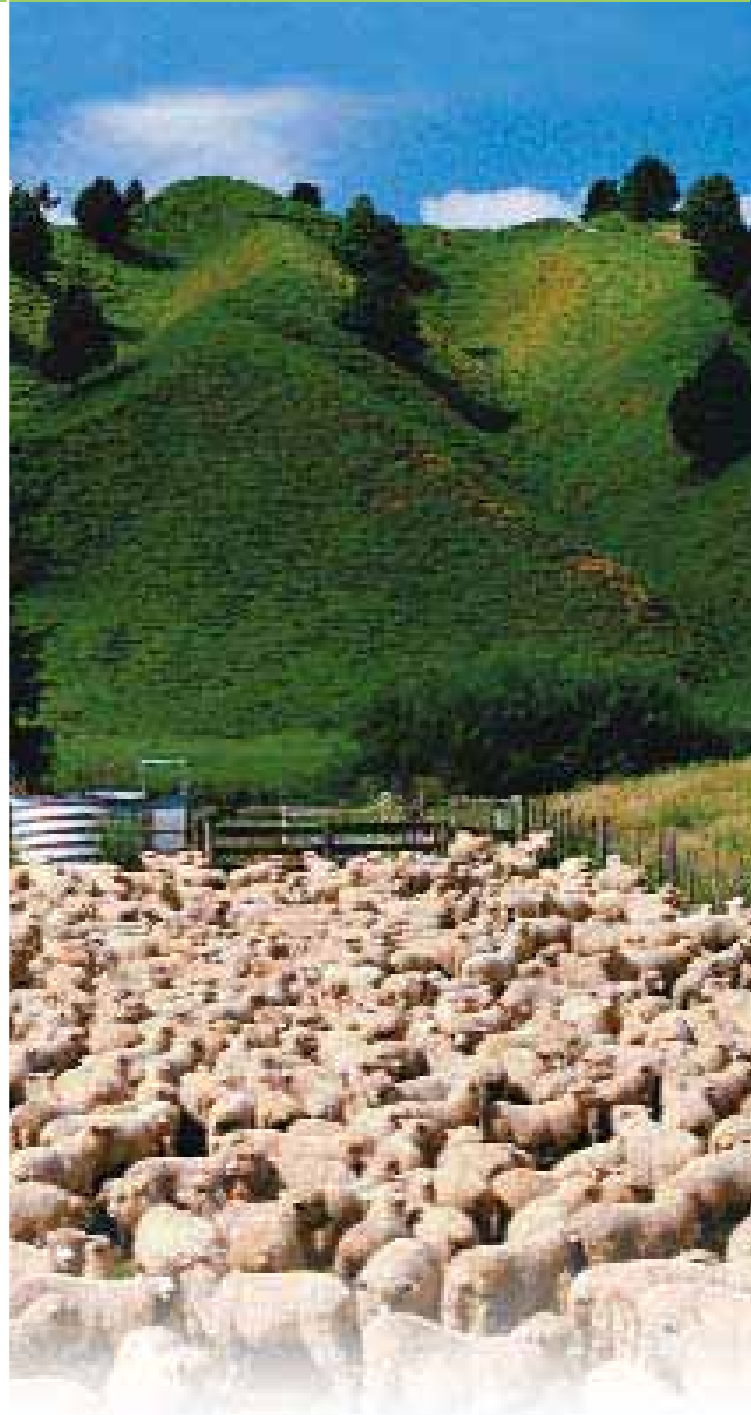
Maximum Pump Pressure = @ minimum suction lift per injector

**Farmmaster Deep Well Pumps features**

Non-corroding injector materials	Suitable for hard water areas
Cast iron casing and other parts	Built tough for rugged conditions
Heavy duty industrial totally enclosed, fan-cooled motor	Runs cool for long life
Handles suction lifts of 0-49m	Totally adaptable to your needs



Deep Well OJ700



# Farm Pumps

## Onga Farmmaster Dual Pump Sets

### Load-sharing Pump Sets

Dual pump sets combine two pumps with a smart electronic controller, which selects one or both pumps according to load. Alternating start-up reduces wear on both pumps, extending their life.

### Dual Pump Sets

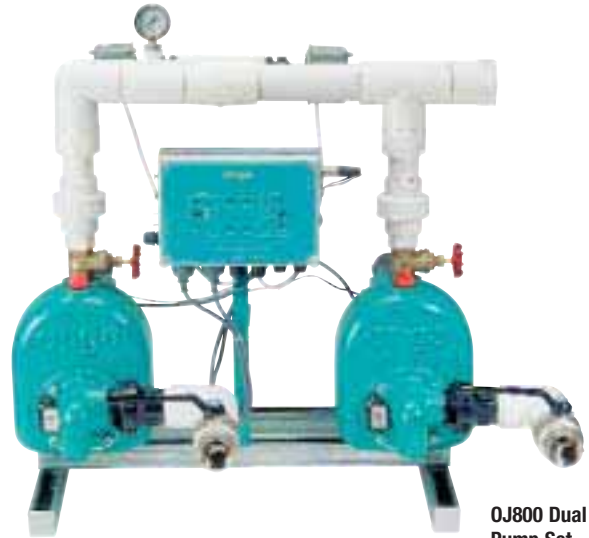


#### Control Features

- manual or automatic modes
- pump isolation control
- operation indication
- failure indication (includes rapid cycle indicator)
- reset control
- low-voltage safety shut-off
- output to control circuit for protection devices
- overload protection
- run-on timer (minimises cycling)
- automatic one pump operation if one pump fails.

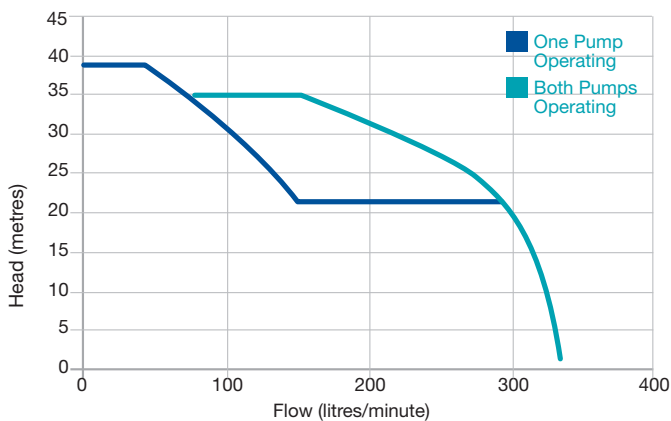
Use in conjunction with a suitable pressure tank to minimise pump cycling and reduce power draw.

**Applications:** Critical applications where back-up systems are necessary. Applications with large peak flows, where one large pump will be oversized for much of the time.

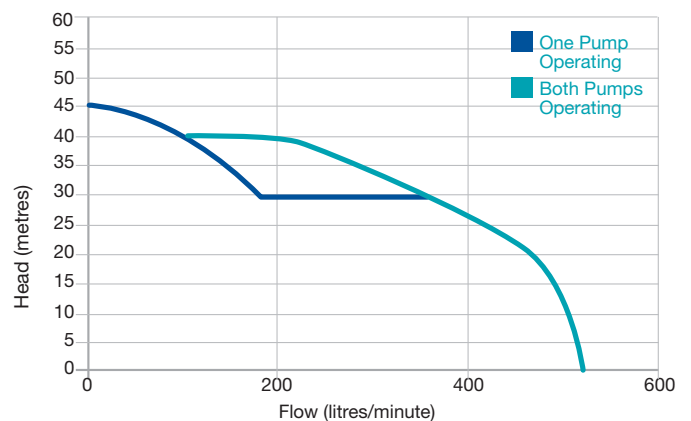


OJ800 Dual Pump Set

### Dual OJ700 Performance



### Dual OJ800 Performance



Charts give indicative performance with high flow injectors. Other performance possible with different pumps and injectors. Ask your Onga dealer for more information.