

Farm Pumps

Onga Farmmaster - Shallow & Deep Well Pumps



Onga's Farmmaster range of pumps has evolved with the needs of Australian farmers and landowners since Onga's beginning in 1967. They have benefited from over 40 years of outstanding pump engineering.

The Farmmaster Range offers precision engineered internals with coated cast iron construction for high performance, lower running costs and the ultimate in strength and longevity. Containing a totally enclosed fan cooled motor, you simply can't beat this range for reliability. Available in shallow and deep well configurations:

Shallow Well Pumps

Onga offers a wide range of reliable shallow well pumps suitable for providing strong and constant pressure throughout.

Deep Well Pumps

The Deep Well range of farm pumps are suitable for supplying water from sources where the suction lift is greater than 7.6 metres. We can offer product solutions that can handle suction lifts down to 49 metres.

Your Onga dealer can tailor these strong and versatile pumps to your particular requirements, using interchangeable internal components delivering you the efficiency you demand.

1. SOURCE

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



2. STORAGE

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



3. PUMP

The wide range of injectors available means that they adapt to suit your application



4. PRESSURE CONTROL

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



5. PRESSURE STORAGE

Onga offers a full range of pressure tanks: steel and fibrewound



6. TREATMENT



7. USE



Refer to pages 13, 14, 15 for
Shallow well injectors



Refer to pages 16, 17 for
Deep well injectors



Pumps & Injectors



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

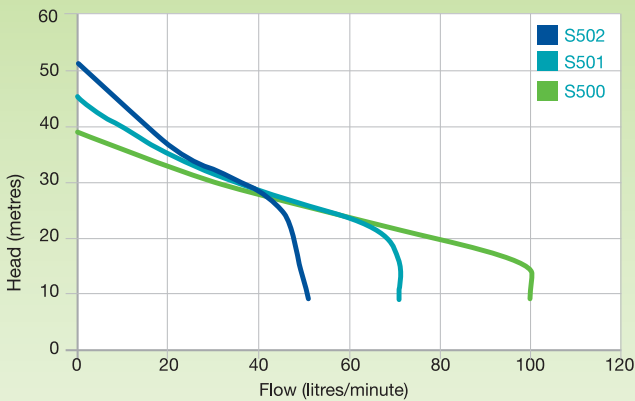


- For those looking for a household pump for the largest homes, the JJ400 or JJ600 can provide strong pressure throughout

Applications:

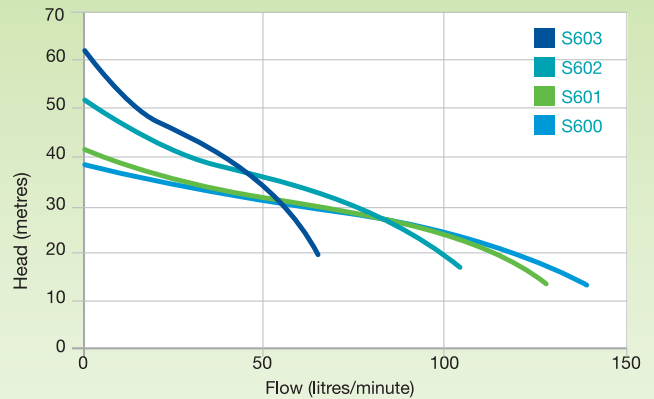
- Stock watering, irrigation and water transfer from dams, creeks, wells and bores

JJ400 Performance



Factory pressure switch setting. Pump suction 1 1/2" BSP Female.
Pump discharge port 3/4" BSP Female (pump), 1" BSP Female (pressure kit).
Model JJ600 may be purchased as single or three phase.

JJ600 Performance



Model (Watts)	Injector Model	Pressure Switch Setting (kPa)	Suction Lift (M)	Discharge Head (Metres)						Maximum Pump Pressure (kPa)
				15	21	27	34	40	46	
				Capacity (Litres per Minute)						
JJ400	S500	140-280#	0	98	70	40				380
			3	78	56	32			350	
			6	56	40	23			320	
			7.6	39	28	16			305	
	S501	210-350	0	71	66	42	21		440	
			3	57	53	34	17		410	
			6	40	38	24	12		380	
			7.6	28	26	17	8		365	
	S502	280-420	0		47	42	24	14		505
			3		38	34	19	11		475
			6		27	24	14	8		445
			7.6		19	17	10	6		430

Model (Watts)	Injector Model	Pressure Switch Setting (kPa)	Suction Lift (M)	Discharge Head (Metres)						Maximum Pump Pressure (kPa)
				15	21	27	34	40	46	
				Capacity (Litres per Minute)						
JJ600	S600	140-280#	0	137	112	71	24			375
			3	109	89	57			345	
			6	78	64	40			315	
			7.6	55	45	28			300	
	S601	210-350	0	125	112	74	33		410	
			3	100	89	59	26		380	
			6	71	64	42			350	
			7.6	50	45	29			335	
	S602	280-420	0		100	82	51	29		505
			3		80	66	41	23		475
			6		57	47	29	16		445
			7.6		40	33	20	12		440
S603	350-560	0			62	48	34	22	615	
		3			50	38	27	18	585	
		6			35	27	19	12	555	
		7.6			25	19	14	9	540	

Model	kW (Watts)	Voltage	Current (Amps)
JJ400	750	240	4.6
JJ600	1800	240	7.7
JJ600	1800	415	2.92

Deep Well - Pumps & Injectors



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
- Potential to draw water from any source down to 37 metres using deep well injectors
- If your source changes, they can easily be converted between shallow well and deep well applications – there is no need to buy another pump
- Non-corroding injector materials make it suitable for hard water areas
- Cast iron casing and other parts make it suitable for rugged conditions
- Heavy duty industrial totally enclosed, fan cooled motor provides long life
- Both single and three phase available in the JJ600 model

Applications:

- Tank filling, irrigation and sprinklers, stock water and household water supply



* Factory pressure switch setting

Special injectors are available to fit down 4" PVC pipe
Maximum Pump Pressure = @ minimum suction lift per injector

Model	Pressure Switch Setting	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	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	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"
		#4 3/8	D620	500	124					52	45	40	33	25	20	18	13									2"	1 1/2"