



FARM MASTER

DISTRIBUTOR CATALOGUE



FARMMASTER

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FARMMASTER

BENEFITS - NOMENCLATURE

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 45 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 variety including the 500 series, JJ and OJ range of reliable shallow well pumps suitable for providing strong and constant pressure throughout.

Deep Well Pumps

The Onga JJ & OJ 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.

PRODUCT FEATURES

- Simple to install and commission.
- Full range of injectors.
- Large range of injector types.
- Offset combinations available.
- No moving parts down bore.
- Manual or automatic system.

CUSTOMER BENEFITS

- Low cost, fast hassle free installation.
- Can be engineered to meet needs of each job.
- Adaptable to deep or shallow well applications.
- Can place pump above flood line.
- Low maintenance costs.
- Available to suit your specific application



Nomenclature	JJ	OJ	MOULDED JET
PUMPS	Junior Jet	Onga Jet	
SERIES No	400 - 600 - 700 - 800		543 - 544
INJECTORS	S - Shallow well		
	D - Deep well		

PERFORMANCE

JJ SHALLOW WELL WATER PRESSURE SYSTEMS



JJ400

SUITABLE INJECTORS

S500

S501

S502

JJ600

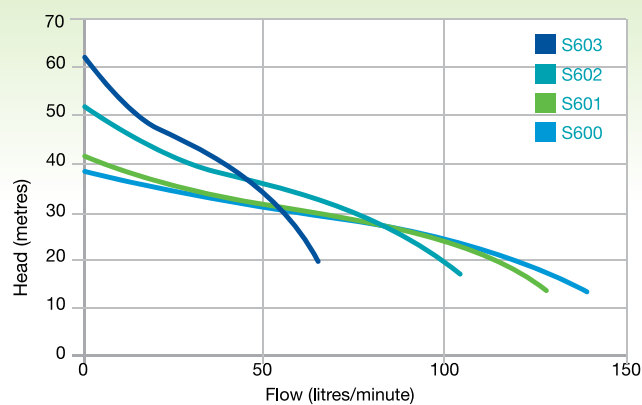
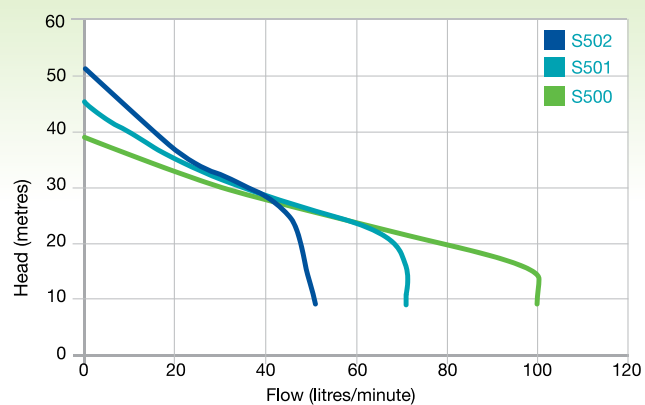
SUITABLE INJECTORS

S600

S601

S602

S603



PERFORMANCE

OJ SHALLOW WELL WATER PRESSURE SYSTEMS



OJ700

SUITABLE INJECTORS

S700

S701

S702

S703

S704

OJ800

SUITABLE INJECTORS

S800

S801

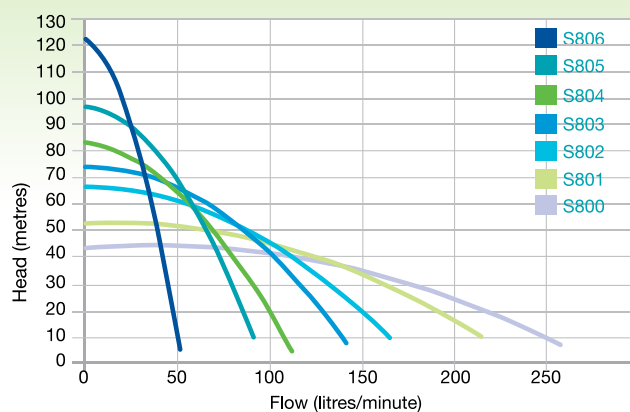
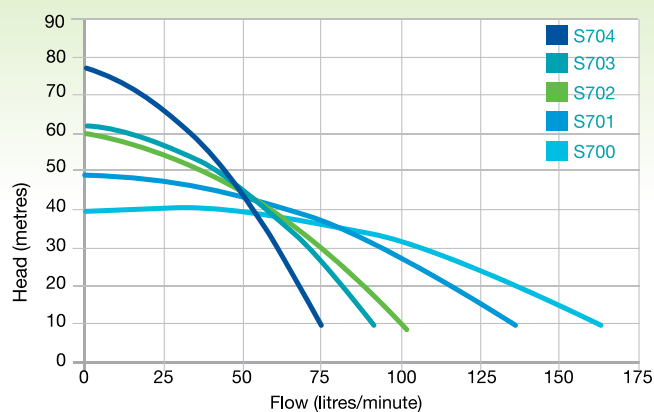
S802

S803

S804

S805

S806



- Product images shown are for reference purposes only and may not represent actual product(s).

PERFORMANCE TABLE

JJ SHALLOW WELL WATER PRESSURE SYSTEMS

JJ400 Shallow well	INJECTOR MODEL	PRESSURE SWITCH SETTING (kPa)	SUCTION LIFT (M)	DISCHARGE HEAD (M)						MAXIMUM PUMP PRESSURE (kPa)
				15	21	27	34	40	46	
				CAPACITY (LPM)						
	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

JJ600 Shallow well	INJECTOR MODEL	PRESSURE SWITCH SETTING (kPa)	SUCTION LIFT (M)	DISCHARGE HEAD (M)						MAXIMUM PUMP PRESSURE (kPa)	
				15	21	27	34	40	46		
				CAPACITY (LPM)							
	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

#Factory pressure switch setting (210-350 kPa)

*Pressure switch adjustment needed.

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.

PERFORMANCE TABLE

OJ SHALLOW WELL WATER PRESSURE SYSTEMS

OJ700 Shallow well	INJECTOR MODEL	PRESSURE SWITCH SETTING (kPa)	SUCTION LIFT (M)	DISCHARGE HEAD (M)															MAXIMUM PUMP PRESSURE (kPa)			
				15	21	27	34	40	46	52	58	64	70	76	82	88	95					
				CAPACITY (LPM)																		
	S700#	210-350#	0	162	159	138	80	27											430			
			3	130	127	110	64											400				
			6	92	91	79	46											370				
			7.6	65	64	55	32											355				
	S701*	280-455	0				114	94	61	31											540	
			3				91	75	49	25											510	
			6				65	54	35	18											480	
			7.6				46	38	24	12											465	
	S702*	350-560	0				85	66	42	24											635	
			3				68	53	34	19											605	
			6				48	38	24	14											575	
			7.6				34	26	17	10											560	
	S703**	420-630	0					69	50	35	22											690
			3					55	40	28	18											660
			6					39	29	20	13											630
			7.6					28	20	14	9											615
	S704**	490-700	0					56	51	39	28	18	11						800			
			3					45	41	31	22	14	9						770			
			6					32	29	22	16	10						740				
			7.6					22	20	16	11	7						725				

OJ800 Shallow well	INJECTOR MODEL	PRESSURE SWITCH SETTING (kPa)	SUCTION LIFT (M)	DISCHARGE HEAD (M)															MAXIMUM PUMP PRESSURE (kPa)			
				15	21	27	34	40	46	52	58	64	70	76	82	88	95					
				CAPACITY (LPM)																		
	S800#	210-350#	0	245	241	218	156	72											430			
			3	196	193	174	125											400				
			6	140	137	124	89											370				
			7.6	98	96	87	62											355				
	S801*	280-455	0			215	204	160	116	66											525	
			3			172	163	128	93	53											495	
			6			123	116	91	66											465		
			7.6			86	82	64	46											450		
	S802*	350-560	0				154	150	117	85	54	25								635		
			3				123	120	94	68	43	20								605		
			6				88	86	67	48	31								575			
			7.6				62	60	47	34	22								560			
	S803*	420-630	0					112	88	64	42	25								730		
			3					90	70	51	34	20								700		
			6					64	50	36	24	14								670		
			7.6					45	35	26	17	10								655		
	S804**	490-700	0						90	67	47	31	18							800		
			3						72	54	38	24	14							770		
			6						51	38	27	18	10							740		
			7.6						36	27	19	12	7							725		
	S805**	630-840	0								70	57	43	31							970	
			3								56	46	34	25	17						880	
			6								40	32	25	18	12						850	
			7.6								28	23	17	12	8						835	
	S806**	770-1050	0											34	33	30	25	18				1145
			3											27	26	24	20	14				1115
			6											19	18	17	14	10				1085
			7.6											14	13	12	10	7				1070

Factory pressure switch setting.

* Pressure switch adjustment needed.

+ 700248 pressure switch needed for extra high pressure switching.

Pump suction 1 1/2" BSP Female.

Pump discharge port 1" BSP Male (pump), 1" BSP Female (pressure kit).

Both single and three phase models available.

JJ / OJ DEEP WELL WATER PRESSURE SYSTEMS



JJ400

SUITABLE INJECTORS

D411

D521

D511

JJ600

SUITABLE INJECTORS

D417

D413

D523

D513

D620



OJ700

SUITABLE INJECTORS

D414

D415

D514

D515

D516

D611

D612

D613

OJ800

SUITABLE INJECTORS

D518

D519

D520

D616

D617

D618

D619

PERFORMANCE TABLE

JJ / OJ DEEP WELL WATER PRESSURE SYSTEMS

JJ400 Deep well	INJECTOR MODEL	PRESSURE SWITCH SETTING (kPa)	INJECTOR SIZE (INCH)	SUCTION PIPE (INCH)	PRESSURE PIPE (INCH)	BORE WATER PUMPING LEVEL OR SUCTION LIFT (M)								MIN. PUMP PRESS. (kPa)	MAX. PUMP PRESS. (kPa)				
						6	9	12	15	18	21	24	27						
						CAPACITY (LPM)													
	D411	140-280	3 ¼	1 ¼	1	60	45	35	25	18			95	400					
	D521	140-280	3 ⅝	1 ½	1 ¼	75	65	50	40				100	400					
	D511	140-280	-	1 ½	1 ¼					25	20	18	13	100	385				
JJ600 Deep well	INJECTOR MODEL	PRESSURE SWITCH SETTING (kPa)	INJECTOR SIZE (INCH)	SUCTION PIPE (INCH)	PRESSURE PIPE (INCH)	BORE WATER PUMPING LEVEL OR SUCTION LIFT (M)										MIN. PUMP PRESS. (kPa)	MAX. PUMP PRESS. (kPa)		
						6	9	12	15	18	21	24	27	30	34			37	
						CAPACITY (LPM)													
	D417	140-280	3 ¼	1 ¼	1	78	58	43						140	410				
	D413	140-280	-	1 ¼	1				30	25	18			140	430				
	D523	140-280	3 ⅝	1 ½	1 ¼	100	85	63	47					160	414				
	D513	140-280	-	1 ½	1 ¼				40	30	20	15		165	400				
	D620	140-280	#4 ⅜	2	1 ½			52	45	40	33	25	20	18	13	124	500		
	OJ700 Deep well	INJECTOR MODEL	PRESSURE SWITCH SETTING (kPa)	INJECTOR SIZE (INCH)	SUCTION PIPE (INCH)	PRESSURE PIPE (INCH)	BORE WATER PUMPING LEVEL OR SUCTION LIFT (M)												MIN. PUMP PRESS. (kPa)
6							9	12	15	18	21	24	27	30	34	37	40		
CAPACITY (LPM)																			
	D414	210-350	3 ¼	1 ¼	1	90	78	60							186	455			
	D415	210-350	-	-	1				40	30	28	18	15		186	483			
	D514	210-350	3 ⅝	-	1 ¼	120	105	75	63						179	469			
	D515	210-350	-	1 ½	1 ¼				50	40	30				193	483			
	D516	210-350	-	-	-						28	20	13	10		193	455		
	D611	210-350	#4 ⅜	-	-	135	120	113	90						179	462			
	D612	210-350	-	2	1 ½				68	60	48				186	483			
	D613	210-350	-	-	-						54	35	25	25	15	193	518		
	OJ800 Deep well	INJECTOR MODEL	PRESSURE SWITCH SETTING (kPa)	INJECTOR SIZE (INCH)	SUCTION PIPE (INCH)	PRESSURE PIPE (INCH)	BORE WATER PUMPING LEVEL OR SUCTION LIFT (M)												MIN. PUMP PRESS. (kPa)
6							9	12	15	18	21	24	27	30	34	37	40	43	
CAPACITY (LPM)																			
D520		210-350* or 280-480	3 ⅝	1 ½	1 ¼	160	135	113	85							248	573		
D518		210-350* or 280-480	-	-	-				63	58	43					262	690		
D519		210-350* or 280-480	-	-	-						38	30	23	18	15		262	656	
D618		210-350* or 280-480	#4 ⅜	-	-	205	173	150								214	517		
D619		210-350* or 280-480	-	2	1 ½			125	100	85						242	600		
D616		210-350* or 280-480	-	-	-					68	60	50				276	711		
D617	210-350* or 280-480	-	-	-							48	40	33	28	25	20	276	662	

OJ DEEP WELL OFFSET	PUMP MODEL	INJECTOR MODEL	PIPE SIZE (INCH)	ADDITIONAL SUCTION HEAD (M) PER HORIZONTAL OFFSET (M)					
				30	60	120	180	240	300
	OJ700	D611	2 x 1 ½	3	6	9	12	15	17
		D612	2 x 1 ½	2.5	4.5	7.5	10.5	13.5	15
		D613	2 x 1 ½	2.5	4.5	7.5	10.5	12	13.5
	OJ800	D618	2 x 1 ½	6	12	18.5	23	26	29
		D619	2 x 1 ½	4.5	9	15	18.5	21	23
		D616	2 x 1 ½	3	6	12	17	20	23
		D617	2 x 1 ½	3	6	10.5	15	18.5	21
		D618	2 x 2	3.5	7.5	13.5	18.5	21	24
		D619	2 x 2	3	6	10.5	13.5	17	18.5
		D616	2 x 2	2	4.5	7.5	10.5	13.5	15
		D617	2 x 2	1.5	3	6	9	12	13.5

JJ DEEP WELL

WATER PRESSURE SYSTEMS

DEEP WELL
HIGH PRESSURE

JJ400

PUMP MODEL	PRESSURE SWITCH SETTING (kPa)	OPERATING PRESSURE (kPa)	BORE WATER PUMPING LEVEL (M)															
			6	9	12	15	18	21	24	27	30	34	37	40	43	46	49	
			CAPACITY (LPM) AT OR NEAR THE SEA LEVEL															
JJ400			INJECTOR D411					PUMP ONLY										
	140-275	90	60	45	35	25	18											
	140-275	120	45	35	25	18	5											
	140-275	150	35	25	18	15	8											
	210-345	180	25	18	15	8												
	210-345	205	18	15	8													
	210-345	240	15	8														
	210-345	270	8															
			INJECTOR D521				INJECTOR D511				PUMP ONLY							
	140-275	105	74	64	50	40	25	20	17	13								
	140-275	140	64	50	40	25	20	17	13	7								
	140-275	165	50	40	25	20	17	13	7									
	210-345	195	40	25	20	17	13	7										
	210-345	230	25	20	17	13	7											
	275-415	255	20	17	13	7												
	275-415	280	17	13	7													
	275-415	315	13	7														
	275-415	345	7															

DEEP WELL
HIGH PRESSURE

JJ600

PUMP MODEL	PRESSURE SWITCH SETTING (kPa)	OPERATING PRESSURE (kPa)	BORE WATER PUMPING LEVEL (M)																		
			6	9	12	15	18	21	24	27	30	34	37	40	43	46	49				
			CAPACITY (LPM) AT OR NEAR THE SEA LEVEL																		
JJ600			INJECTOR D417				INJECTOR D413			PUMP ONLY											
	140-275	140	77	57	44	32	26	19													
	140-275	165	57	44	32	26	19	11													
	140-275	195	44	32	26	19	11	8													
	210-345	230	32	26	19	11	8														
	210-345	255	26	19	11	8															
	275-415	280	19	11	8																
	275-415	315	11	8																	
	275-415	345	8																		
			INJECTOR D523				INJECTOR D513				PUMP ONLY										
	140-275	165	100	86	64	48	41	31	21	16											
	140-275	195	86	64	48	41	31	21	16	8											
	210-345	225	64	48	41	31	21	16	8												
	210-345	255	48	41	31	21	16	8													
	275-415	280	41	31	21	16	8														
	275-415	315	31	21	16	8															
	345-485	345	21	16	8																
	345-485	370	16	8																	
	345-485	405	8																		
			INJECTOR D620										PUMP ONLY								
	140-275	165				52	46	40	33	25	21	18	14								
	140-275	195			52	46	40	33	25	21	18	14	8								
	210-345	225		52	46	40	33	25	21	18	14	8									
	210-345	255	52	46	40	33	25	21	18	14	8										
	275-415	280	46	40	33	25	21	18	14	8											
	275-415	315	40	33	25	21	18	14	8												
	345-550	345	33	25	21	18	14	8													
	345-550	370	25	21	18	14	8														
	345-550	405	21	18	14	8															
	345-550	435	18	14	8																
	345-550	460	14	8																	
	345-550	495	8																		

OJ DEEP WELL

WATER PRESSURE SYSTEMS

DEEP WELL
HIGH PRESSURE

OJ700

PUMP MODEL	PRESSURE SWITCH SETTING (kPa)	OPERATING PRESSURE (kPa)	BORE WATER PUMPING LEVEL (M)															
			6	9	12	15	18	21	24	27	30	34	37	40	43	46	49	
			CAPACITY (LPM) AT OR NEAR THE SEA LEVEL															
OJ700			INJECTOR D414				INJECTOR D415				PUMP ONLY							
	210-345	180	88	77	59	41	31	27	17	14								
	210-345	205	77	59	41	31	27	17	14	8								
	210-345	240	59	41	31	27	17	14	8									
	210-345	270	41	31	27	17	14	8										
	275-415	295	31	27	17	14	8											
	275-415	330	27	17	14	8												
	345-485	360	17	14	8													
	345-485	385	14	8														
	345-485	415	8															
			INJECTOR D514				INJECTOR D515				INJECTOR D516				PUMP ONLY			
	210-345	195	122	98	76	63	51	42	31	27	20	14	11					
	210-345	225	98	76	63	51	42	31	27	20	14	11	9					
	210-345	255	76	63	51	42	31	27	20	14	11	9	8					
	275-415	280	63	51	42	31	27	20	14	11	9	8						
	275-415	315	51	42	31	27	20	14	11	9	8							
	345-485	345	42	31	27	20	14	11	9	8								
	345-485	370	31	27	20	14	11	9	8									
	345-550	405	27	20	14	11	9	8										
	345-550	435	20	14	11	9	8											
	415-620	460	14	11	9	8												
	415-620	495	11	9	8													
	415-620	525	9	8														
	415-620	550	8															
			INJECTOR D611				INJECTOR D612				INJECTOR D613				PUMP ONLY			
	210-345	195	136	123	111	91	67	60	47	42	35	26	21	16				
	210-345	225	123	111	91	67	60	47	42	35	26	21	16	8				
	210-345	255	111	91	67	60	47	42	35	26	21	16	8					
	275-415	280	91	67	60	47	42	35	26	21	16	8						
	275-415	315	67	60	47	42	35	26	21	16	8							
	345-485	345	60	47	42	35	26	21	16	8								
	345-485	370	47	42	35	26	21	16	8									
	345-550	405	42	35	26	21	16	8										
	345-550	435	35	26	21	16	8											
	415-620	460	26	21	16	8												
	415-620	495	21	16	8													
	480-690	525	16	8														
		480-690	550	8														

Areas labelled "PUMP ONLY"

Duty points in the areas labelled "Pump Only" use the same injectors as the closest shaded duty. This is the highest pressure injector available for the pump.

The pump can be used at this duty for water transfer and similar applications, but cannot be used as a water pressure system (i.e. pump stopped by a pressure switch at cut-out pressure).

This is for the following reasons:

1. The cut-in pressure must be kept high enough so that the injector will function correctly at the required depth.

2. The differential between cut-in pressure and cut-out pressure at the pressure switch needs to be close to 140kPa (minimum) for reliable pressure switch operation. This means that the cut-out pressure must be at least 140kPa above the cut-in pressure.

3. As the suction depth increases, the top head that can be developed by the pump decreases. At the extreme case (areas labelled "Pump Only"), this top head is below cut-out pressure, and the pump will not switch off.

In these cases, your system may use level sensors (e.g. float switch, probes or pressure sensor) or flow sensors to shut off the pump.

OJ DEEP WELL WATER PRESSURE SYSTEMS

DEEP WELL
HIGH PRESSURE

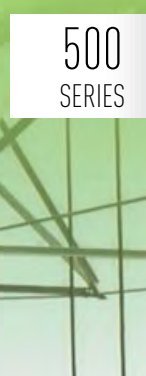
OJ800

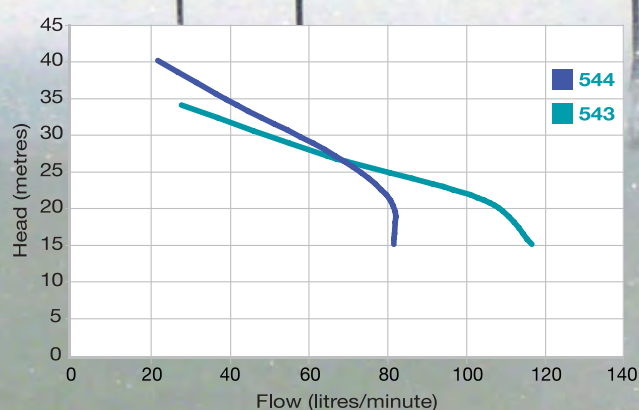
PUMP MODEL	PRESSURE SWITCH SETTING [kPa]	OPERATING PRESSURE [kPa]	BORE WATER PUMPING LEVEL (M)														
			6	9	12	15	18	21	24	27	30	34	37	40	43	46	49
			CAPACITY (LPM) AT OR NEAR THE SEA LEVEL														
OJ800			INJECTOR D520			INJECTOR D518					INJECTOR D519				PUMP ONLY		
	275-415	255	161	136	113	85	62	57	43	38	31	23	19	14			
	275-415	280	136	113	85	62	57	43	38	31	23	19	14	11			
	345-485	315	113	85	62	57	43	38	31	23	19	14	11	8			
	345-485	345	85	62	57	43	38	31	23	19	14	11	8				
	345-485	370	62	57	43	38	31	23	19	14	11	8					
	415-620	405	57	43	38	31	23	19	14	11	8						
	415-620	435	43	38	31	23	19	14	11	8							
	480-690	460	38	31	23	19	14	11	8								
	480-690	495	31	23	19	14	11	8									
	480-690	525	23	19	14	11	8										
	550-760	550	19	14	11	8											
	550-760	585	14	11	8												
	550-760	615	11	8													
	550-760	640	8														
			INJECTOR D618			INJECTOR D619			INJECTOR D616			INJECTOR D617					
	275-415	205	205	172	152	125	101	84	68	60	50	46	40	33	29	25	21
	275-415	240	172	152	125	125	101	84	68	60	50	46	40	33	29	25	21
	275-415	270	152	125	125	101	84	68	68	60	50	46	40	33	29	25	21
	275-415	295	125	125	101	84	68	68	60	50	46	40	33	29	25	21	10
	275-415	330	125	101	84	68	68	60	50	46	40	33	29	25	21	10	
	345-485	360	101	84	68	68	60	50	46	40	33	29	25	21	10		
	345-485	385	84	68	68	60	50	46	40	33	29	25	21	10			
	415-620	415	68	68	60	50	46	40	33	29	25	21	10				
	415-620	450	68	60	50	46	40	33	29	25	21	10					
	480-690	475	60	50	46	40	33	29	25	21	10						
	480-690	510	50	46	40	33	29	25	21	10							
	550-760	535	46	40	33	29	25	21	10								
	550-760	565	40	33	29	25	21	10									PUMP ONLY
	550-760	590	33	29	25	21	10										
	550-760	620	29	25	21	10											
	550-760	625	25	21	10												
	690-895	690	21	10													
	690-895	715	10														



500 SERIES WATER PRESSURE SYSTEMS

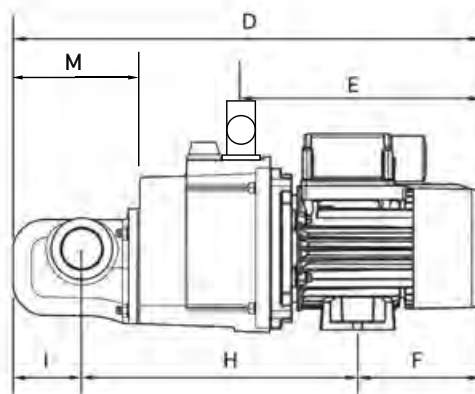
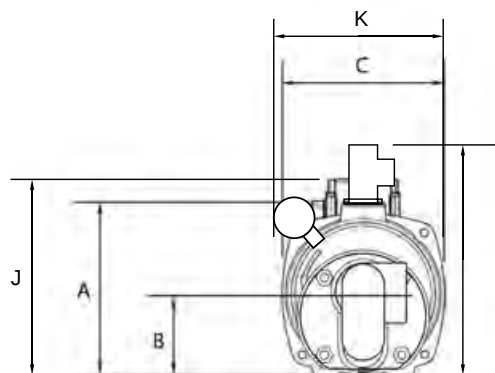


500 SERIES	MODEL	PRESSURE SWITCH SETTING (kPa)	SUCTION LIFT (M)	DISCHARGE HEAD (M)					MAXIMUM PUMP PRESSURE (kPa)
				15	21	27	34	40	
				CAPACITY (LPM)					
	543	210-350	0	117	105	65	28		390
			3	94	84	52	22		360
			6	67	60	37	16		330
			7.6	47	42	26	11		315
	544	280-420	0	82	81	67	42	22	475
			3	66	65	54	34	18	445
			6	47	46	38	24	13	415
			7.6	33	32	27	17	9	400



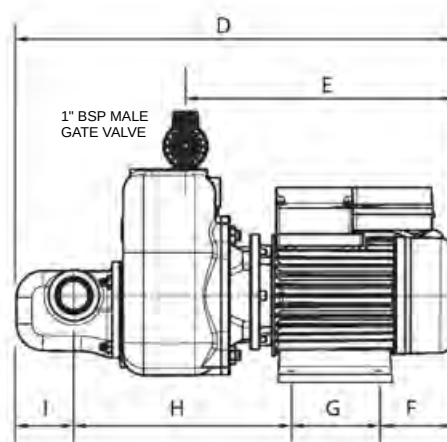
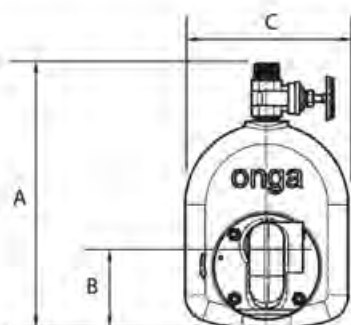
JJ400 & JJ600

Shallow well configuration

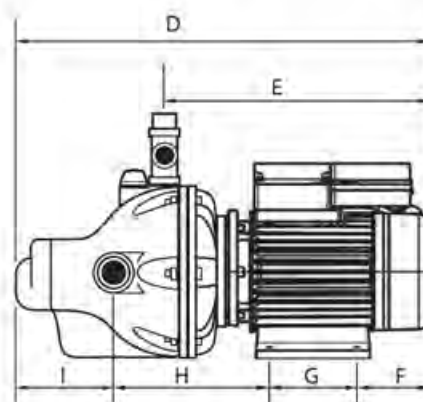
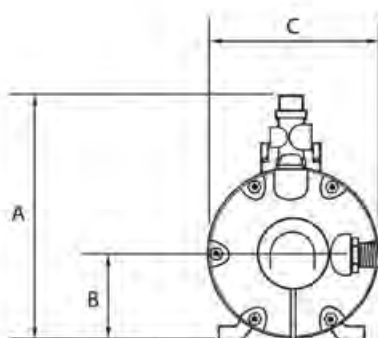


OJ700 & OJ800

Shallow well configuration



543 & 544



DIMENSIONS TABLE

PUMP MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
JJ400	190	90	180	525	255	140	N/A	305	80	220			
JJ600	210	105	210	540	335	110	N/A	350	80	265	220	285	135
JJ600 3PH	210	105	210	560	350	125	N/A	355	80	245	220	285	135
OJ700	350	110	220	575	365	110	100	285	80				
OJ700 3ph	350	110	210	590	380	125	100	285	80				
OJ800	350	110	220	635	420	120	140	300	80				
OJ800 3PH	350	110	280	645	430	125	140	300	80				
543/544	290	100	230	530	330	110	100	205	115				

Note: Unless otherwise specified, all dimension in mm.

FARMMASTER

WATER PRESSURE SYSTEMS

MATERIALS of
CONSTRUCTION

COMPONENT	MODEL					
	543	544	JJ400	JJ600	OJ700	OJ800
PUMP CASING	NORYL	NORYL	CAST IRON	CAST IRON	CAST IRON	CAST IRON
IMPELLER	POLYCARB GF	POLYCARB GF	POLYCARB GF	POLYCARB GF	POLYCARB GF	POLYCARB GF
BAFFLE	NORYL	NORYL	ABS GF	NORYL	NORYL	NORYL
END SHIELD	CAST IRON	CAST IRON	CAST IRON	CAST IRON	CAST IRON	CAST IRON
SHAFT SLEEVE	NYLON	NYLON	NYLON	NYLON	NYLON	STAINLESS STEEL
MOTOR SHAFT	MILD STEEL	MILD STEEL	MILD STEEL	MILD STEEL	MILD STEEL	MILD STEEL
MOTOR SHELL	CAST IRON	CAST IRON	ALUMINIUM	CAST IRON	CAST IRON	CAST IRON
O-RING`S	NITRILE	NITRILE	NITRILE	NITRILE	NITRILE	NITRILE

MOTOR DATA

	MODEL								
	543	544	JJ400	JJ600	JJ600 3PH	OJ700	OJ700 3PH	OJ800	OJ800 3PH
TYPE	TEFC 2 POLE CONTINUOUSLY RATED THERMALLY PROTECTED								
NOMINAL SPEED	2900 RPM								
IP RATING	IP44		IP55	IP44					
INSULATION CLASS	CLASS B								
TEMPERATURE RISE	CLASS B								
FREQUENCY	50HZ								
BEARING TEMP. RATING	100 °C								

MODEL DATA

	MODEL								
	543	544	JJ400	JJ600	JJ600 3PH	OJ700	OJ700 3PH	OJ800	OJ800 3PH
SUPPLY VOLTAGE	230				415	230	415	230/480	415
PHASE	1				3	1	3	1	3
MOTOR INPUT POWER (P1) [KW]	1.4		1	1.4	1.5	2		3.6	3.4
STARTING CURRENT [AMPS]	42		19	42	27	42	27	76	48
FULL LOAD CURRENT [AMPS]	6.4	6.3	4.5	6.4	2.6	8.5	3.6	14/7	5.7
POWER SUPPLY LEAD [AMPS]	10				H07RN-F 4G1.5mm²x2m	10	H07RN-F 4G1.5mm²x2m	15	H07RN-F 4G1.5mm²x2m
PUMP WEIGHT [KG]	25		18	31		40		50	
PACKED WEIGHT [KG]	27		19	33		42		58	
OUTLET [BSP]	3/4' FEMALE					1' FEMALE			
CARTON DIMENSIONS [LxWxH mm]	590x300x330					560x350x450		670x480x470	