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BURKE Farming Products

Water Service Products
Pumps and Water Systems

2013
Technical catalogue



JET PUMPS



Shallow well

For a maximum vertical suction lift of 25 feet (7,5m)

Cast Iron Pump Body SERIES 503

1/2 HP

503121S

3/4 HP

503221S

- TEFC motor 115/230V 60Hz. totally enclosed, bearing to bearing, with thermal and overload protection.
- Easy to prime due to its design and its large pump body.
- Full time running capacitor, to eliminate starting wear.
- Built-in ejector.
- Stainless steel shaft and mechanical seal.
- Long life and high performance Noryl impeller.
- Designed for intermediate or continuous operation.
- Recommended for home, cottage and farm applications.



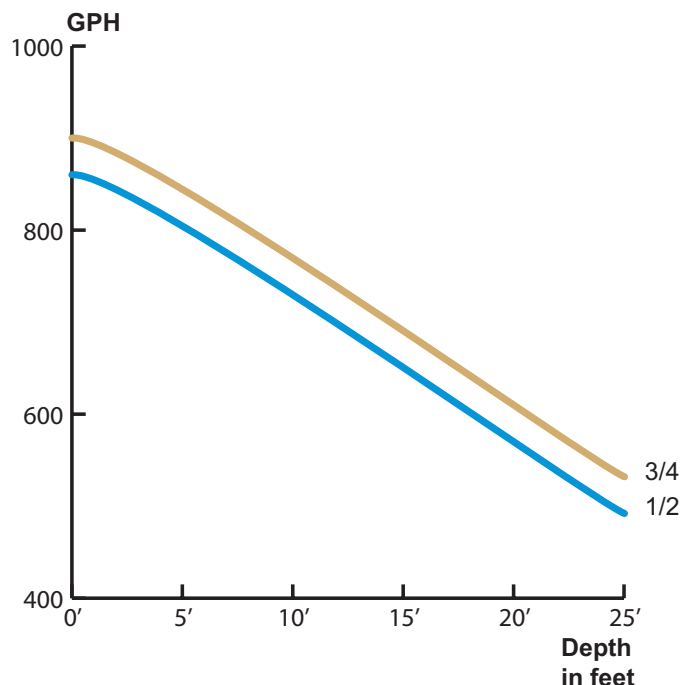
Performance Charts

HP	PSI	0'	5'	10'	15'	20'	25'	
1/2	0	850	816	714	629	544	502	
	20	780	749	655	577	499	460	
	30	740	710	622	548	474	437	
	40	535	514	449	396	342	316	
	50	310	298	260	229	198	183	USGPH
Maximum Pressure: 65 PSI Capacity up to: 850 US GPH								

* Friction loss in pipe not included

HP	PSI	0'	5'	10'	15'	20'	25'	
3/4	0	900	864	756	666	576	531	
	20	820	787	689	607	525	484	
	30	785	754	659	581	502	463	
	40	565	542	475	418	362	333	
	50	325	312	273	241	208	192	USGPH
Maximum Pressure: 70 PSI Capacity up to: 900 US GPH								

* Friction loss in pipe not included





JET PUMPS

Shallow well

With Captive Air Tank

Complete water systems, pre-assembled.

1/2 HP

503127S c/w 25 liter tank

503128S c/w 60 liter tank

503131S c/w 80 liter tank

3/4 HP

503228S c/w 60 liter tank

503231S c/w 80 liter tank

- No water-air contact, rust free operation.
- No water-tank contact, eliminates seeping.
- No waterlogging, eliminates the need for air volume controls.



With Fluomac

Electronic system. No need for a conventional type tank.

Compact, portable, easy to use and store in wintertime.

1/2 HP

503120S

3/4 HP

503220S

- No maintenance.
- Fully electronic.
- Delivers full flow and pressure.
- No need for a tank or a pressure switch.
- Protects the pump from running dry.
- Not recommended for sand point application, unless using a sand filter.

These models are available in 115V only.



The main feature of the Fluomac System is its ability to regulate and control the delivery of water without the inconvenience of fluctuating pressure, which is especially useful when taking a shower along with many other applications.

In Sprinkler version

Designed for the following water sources :
well, sand point, lake, river or creek.

1/2 HP

503120S

3/4 HP

503220S

- Designed for irrigation systems.
- 1" garden hose adaptor included.
- Strong and practical transportation handle.

These models are factory wired for 115V.



JET PUMPS



Convertible

Shallow well maximum vertical suction lift of 25 feet (7,5m)

Deep well maximum vertical suction lift of 80 feet (24m)

Cast Iron Pump Body SERIES 503

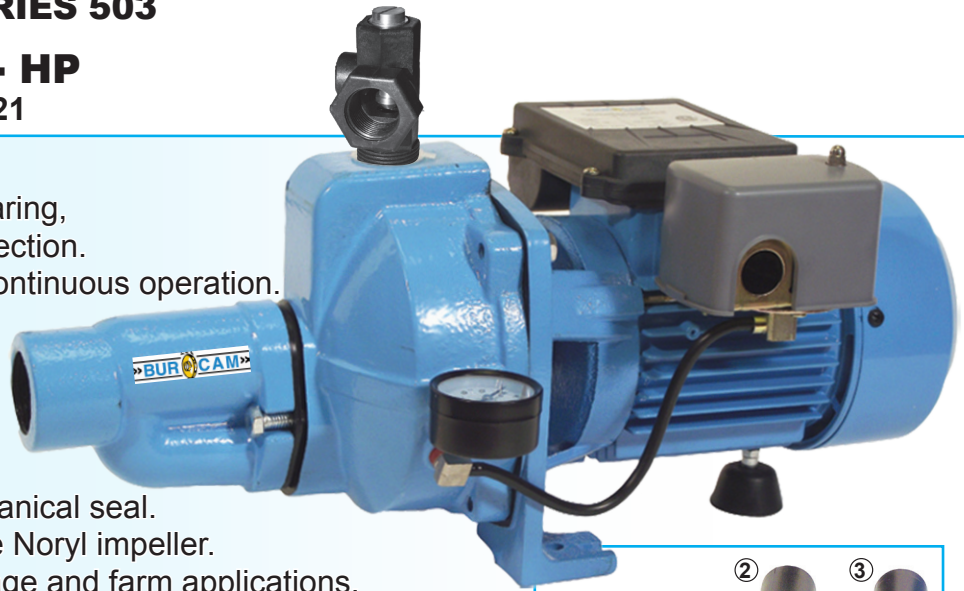
1/2 HP

503321

3/4 HP

503721

- TEFC motor 115/230V 60Hz. totally enclosed, bearing to bearing, with thermal and overload protection.
- Designed for intermediate or continuous operation.
- Easy to prime due to its design and its large pump body.
- Full time running capacitor, to eliminate starting wear.
- External ejector.
- Stainless steel shaft and mechanical seal.
- Long life and high performance Noryl impeller.
- Recommended for home, cottage and farm applications.



Performance Charts

Shallow Well Application

HP	PSI	0'	5'	10'	15'	20'	25'
1/2	0	910	900	810	675	480	330
	20	775	765	690	575	411	280
	30	700	693	623	520	370	252
	40	620	615	550	460	330	225
	50	525	520	465	390	280	190

Maximum Pressure:
85 PSI
Capacity up to:
840 US GPH

Deep Well Application

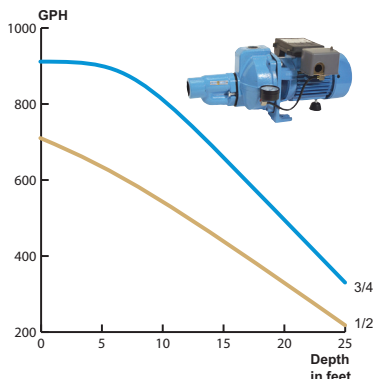
PSI	30'	40'	50'	60'	70'	80'
0	710	635	546	437	330	220
20	605	545	465	370	280	185
30	545	490	420	335	250	170
40	484	434	370	300	225	150
50	410	370	315	250	190	125

HP	PSI	0'	5'	10'	15'	20'	25'
3/4	0	960	950	855	710	510	345
	20	800	790	710	590	425	290
	30	725	720	645	535	385	260
	40	750	740	670	555	400	270
	50	575	570	510	425	305	205

Maximum Pressure:
85 PSI
Capacity up to:
855 US GPH

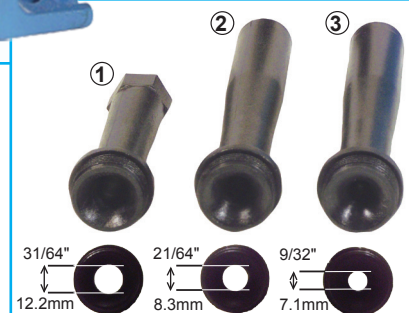
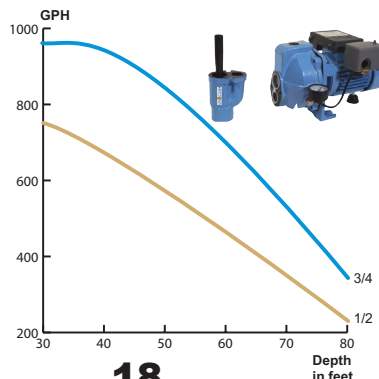
* Friction loss in pipe not included

USGPH



PSI	30'	40'	50'	60'	70'	80'
0	750	670	575	460	345	230
20	625	560	480	385	290	190
30	565	505	435	350	260	175
40	585	525	450	360	270	180
50	450	400	345	275	205	140

USGPH



VENTURI'S INCLUDED

- ① For shallow well application mode, with the ejector fix to the pump body.
- ② Factory pre-assembled in ejector, for deep well application mode, 25' to 60', with the ejector installed into the well.
- ③ For deep well application mode, 60' and deeper, with the ejector installed into the well.

FLOW CONTROL VALVE



After priming the pump, you can adjust the flow control valve to obtain the best performance of the pump. This valve is used to balance the discharge flow with the suction requirement.

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JET PUMPS

Convertible

With Captive Air Tank

Complete water systems, pre-assembled.

1/2 HP

503327 c/w 25 liter tank

503328 c/w 60 liter tank

503331 c/w 80 liter tank

3/4 HP

503728 c/w 60 liter tank

503731 c/w 80 liter tank

- No water-air contact, rust free operation.
- No water-tank contact, eliminates seeping.
- No waterlogging, eliminates the need for air volume controls.



With Fluomac

Electronic system. No need for a conventional type tank.
Compact, portable, easy to use and store in wintertime.

1/2 HP

503332

3/4 HP

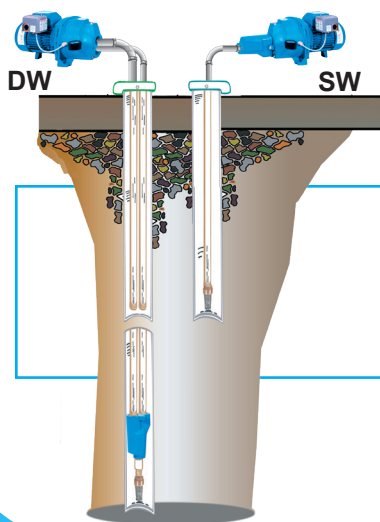
503732

These models are
available in 115V only.

- No maintenance.
- Fully electronic.
- Delivers full flow and pressure.
- No need for a tank or a pressure switch.
- Protects the pump from running dry.
- Not recommended for sand point application, unless using a sand filter.



The main feature of the Fluomac System is its ability to regulate and control the delivery of water without the inconvenience of fluctuating pressure, which is especially useful when taking a shower along with many other applications.

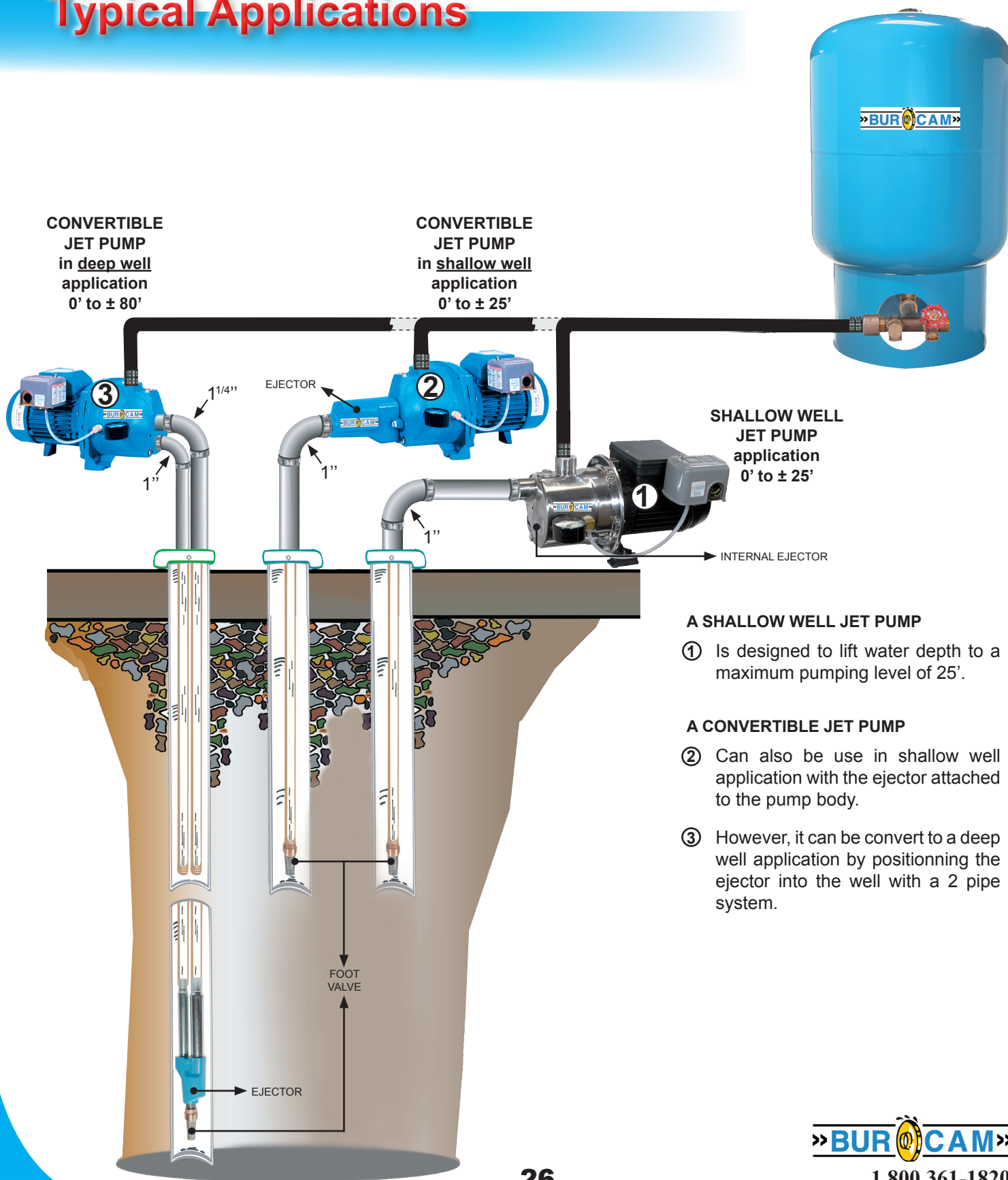


A convertible jet pump can be use in shallow well application to lift water depth to 25' with the ejector screwed to the pump body and one pipe running to the well.

You also can convert it to a deep well application to lift water depth from 25' to 80' by installing the ejector into the well using a two pipe system.

JET PUMP SELECTION

Typical Applications



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BURKE Farming Products

**Moving Water At An
Affordable Price Is Our Business.**



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