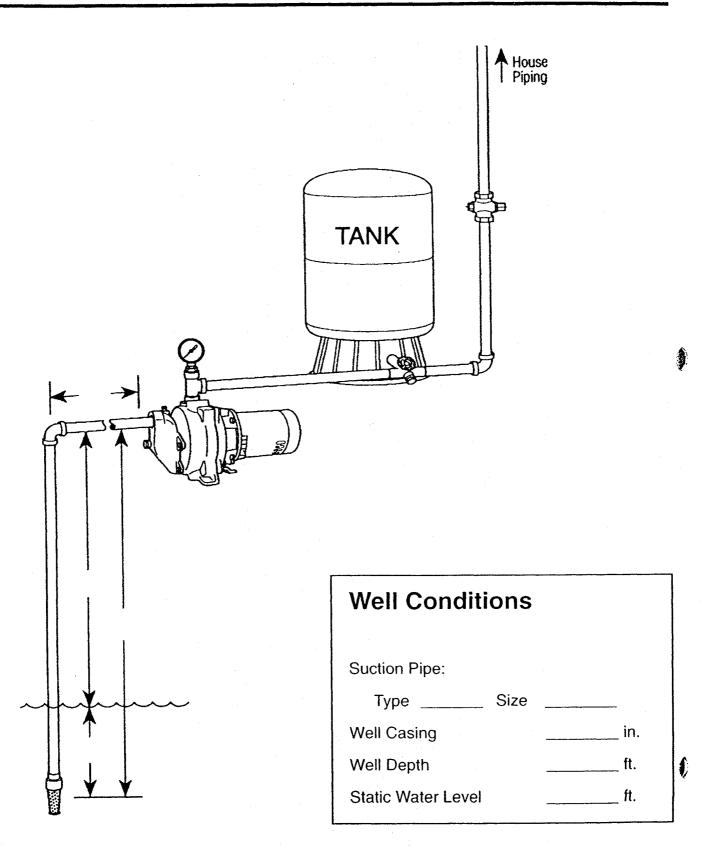
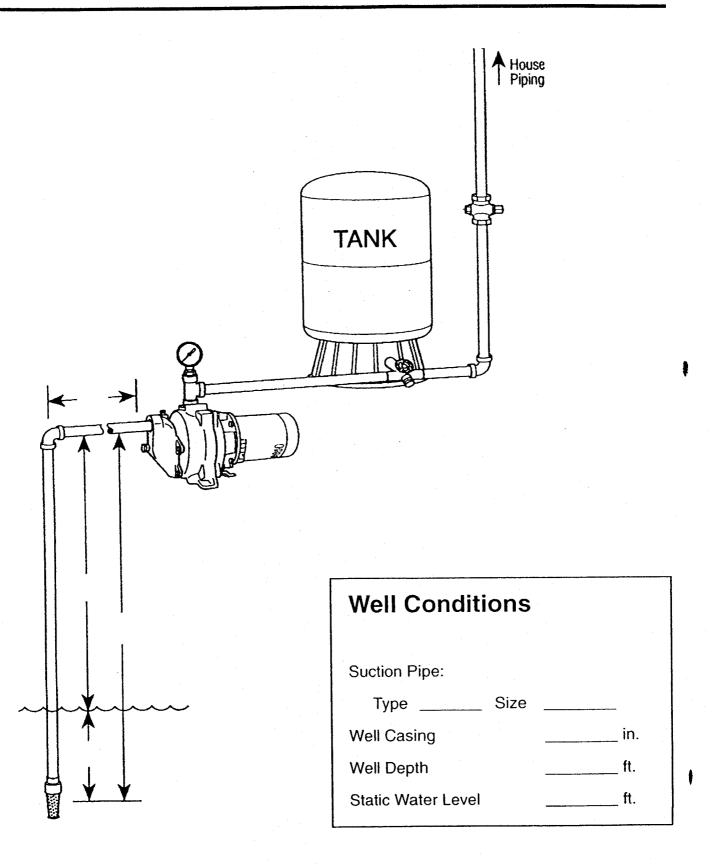


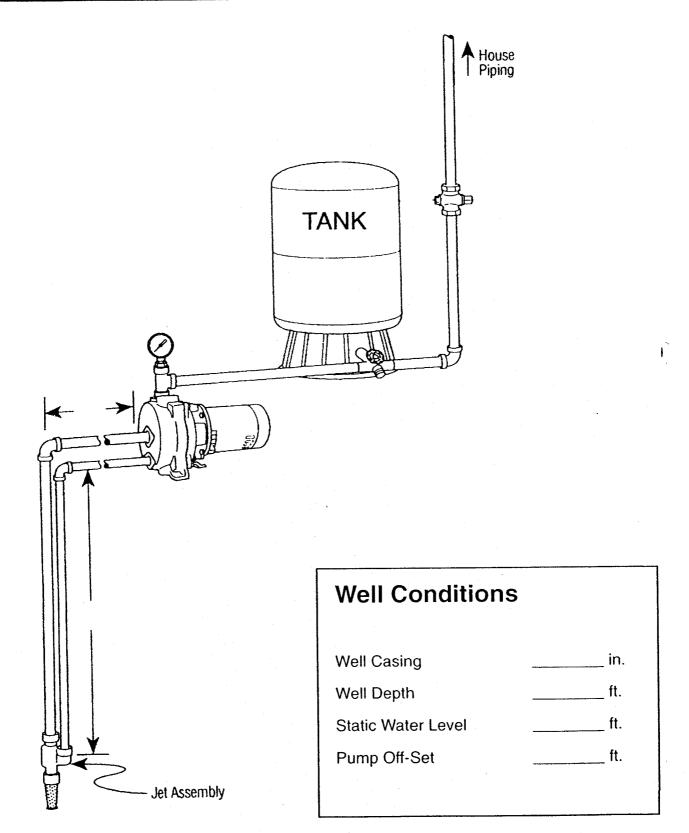
Step 1	Step 2
Capacity Needed	Suction Conditions
Fixtures:	Friction Loss Calculation
Bathtub/Shower	90° Elbow = ft.
Toilet	Foot Valve =ft.
Lavatory	Pipe = ft.
Kitchen Sink	TOTAL = ft.
Dishwasher	
Washing Machine	Total Ft Number of Hundred
Hose Bib	100
Other	x Friction Loss/100 Ft. of Pipe
TOTAL OUTLETS	= Ft. (Friction Loss)
x 1 GPM = GPM	
Peak Demand	Vertical Liftft.
No. of Outlets Being	+ Friction Lossft.
Used at Same Time	= TOTAL LIFT ft. (Max. 25 ft.)
x 3 GPM = GPM	(Wax. 25 h.)
Step 3	Step 4
Pressure Needed	Selection
Pressure Switch Settings:	Pump Model
Cut-OnPSI	Shallow Well Adapter
Cut-OffPSI	Tank
(Check Max. Shut-Off PSI from Bulletin)	Alternate Pump
Tank Pressure Set @2 PSI Less Than Cut-On = PSI	



Step 1			Step 2	
Capacity Needed		_	Suction Conditions	
Fixtures:		• * .	Friction Loss Calculatio	<u>n</u>
Bathtub/Shower			90° Elbow =	ft.
Toilet			Foot Valve =	ft.
Lavatory			Pipe =	ft.
Kitchen Sink			TOTAL =	ft.
Dishwasher				
Washing Machine			Total Ft. =	Number of Hundred
Hose Bib				/100 Et. of Pipo
Other			x Friction Loss	
TOTAL OUTLETS			= Ft. (Friction L	LOSS)
x 1 GPM =	GPM			
Peak Demand			Vertical Lift	ft.
No. of Outlets Being			+ Friction Loss	ft.
Used at Same Time			= TOTAL LIFT	ft. (Max. 25 ft.)
x 3 GPM =	GPM			(Wax. 25 ft.)
Step 3			Step 4	
Pressure Needed			Selection	
Pressure Switch Settings:			Pump Model	
Cut-On	PSI		Shallow Well Adapter	
Cut-Off	PSI		Tank	
(Check Max. Shut-Off PS	I from Bulletin)		Alternate Pump	
Tank Pressure Set @2 PSI Less Than Cut-On =	PSI			



Step 1		Step 2
Capacity Needed		Suction Conditions
Fixtures:		Friction Loss Calculation
Bathtub/Shower		90° Elbow = ft.
Toilet		Foot Valve =ft.
Lavatory		Pipe = ft.
Kitchen Sink		TOTAL = ft.
Dishwasher		
Washing Machine	·	Total Ft Number of Hundred
Hose Bib	·	x Friction Loss/100 Ft. of Pipe
Other		
TOTAL OUTLETS		= Ft. (Friction Loss)
x 1 GPM =	GPM	
Peak Demand		Vertical Lift ft.
No. of Outlets Being Used at Same Time		+ Friction Lossft.
x 3 GPM =	GPM	= TOTAL LIFT ft. (Max. 25 ft.)
Step 3		Step 4
Pressure Needed		Selection
Pressure Switch Settings:		Pump Model
Cut-On _	PSI	Shallow Well Adapter
Cut-Off	PSI	Tank
(Check Max. Shut-Off PSI fro	om Bulletin)	Alternate Pump
Tank Pressure Set @2 PSI Less Than Cut-On =	PSI	

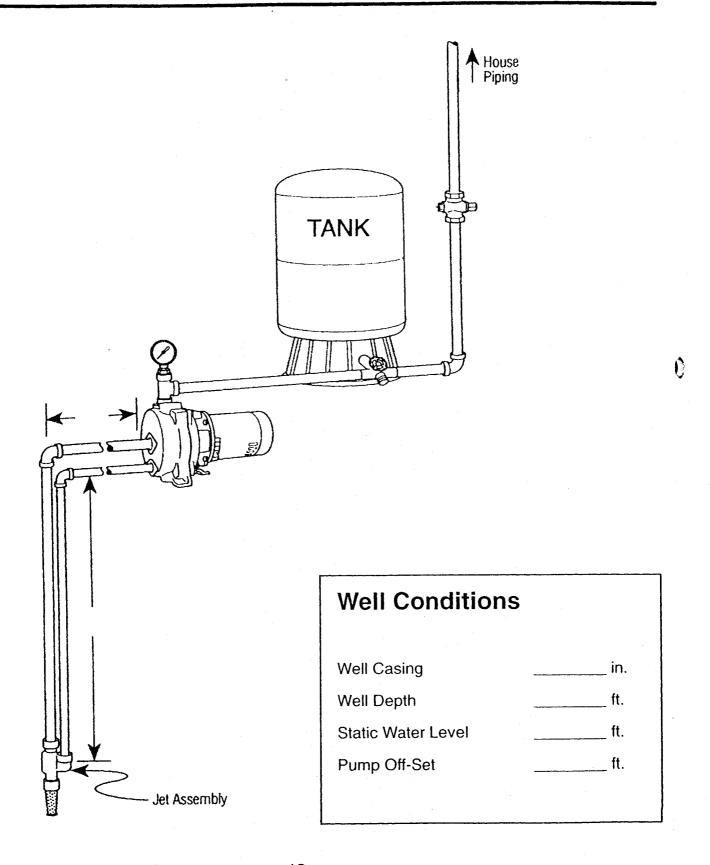




Step 1		Step 2	
Capacity Needed		Jet Assembly Setting (See Diagram)	ft.
Fixtures:		(See Diagram)	
Bathtub/Shower		Step 3	
Toilet		Pressure Needed	
Lavatory		Pressure Switch Settings:	
Kitchen Sink		Cut-On	PSI
Dishwasher	,	Cut-Off	PSI
Washing Machine		Tank Pressure	
Hose Bib		Set @2 PSI Less Than Cut-On =	PSI
Other	· · · · · · · · · · · · · · · · · · ·		
TOTAL OUTLETS			
x 1 GPM =	GPM	Step 4	
Peak Demand		Selection	
No. of Outlets Being			
Used at Same Time	Andrew Andrew Andrew Charles	Pump Model	
x 3 GPM =	GPM	Jet Assembly	
		Pressure Control Valve	
		PCV Setting (PSI)	

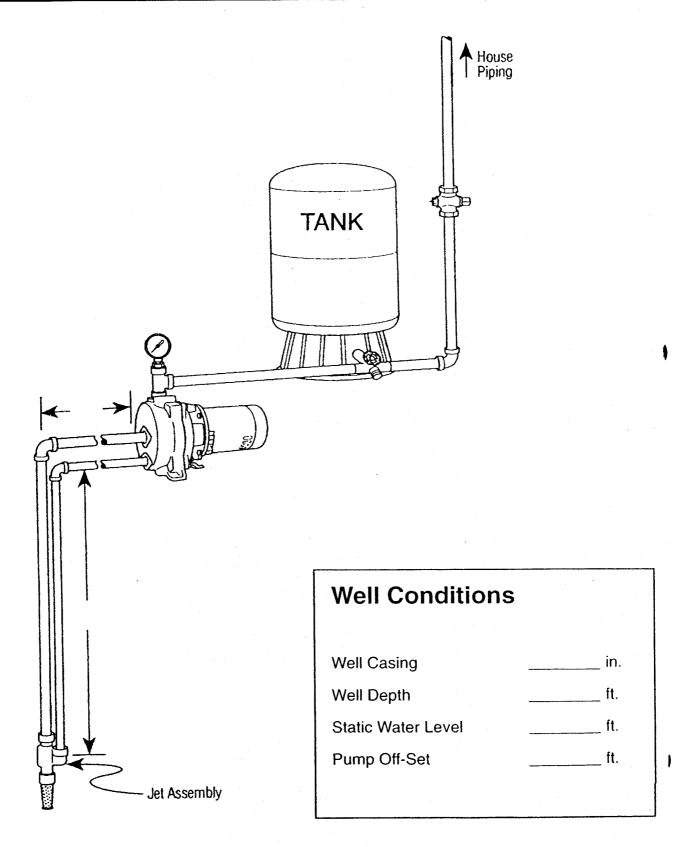
Tank





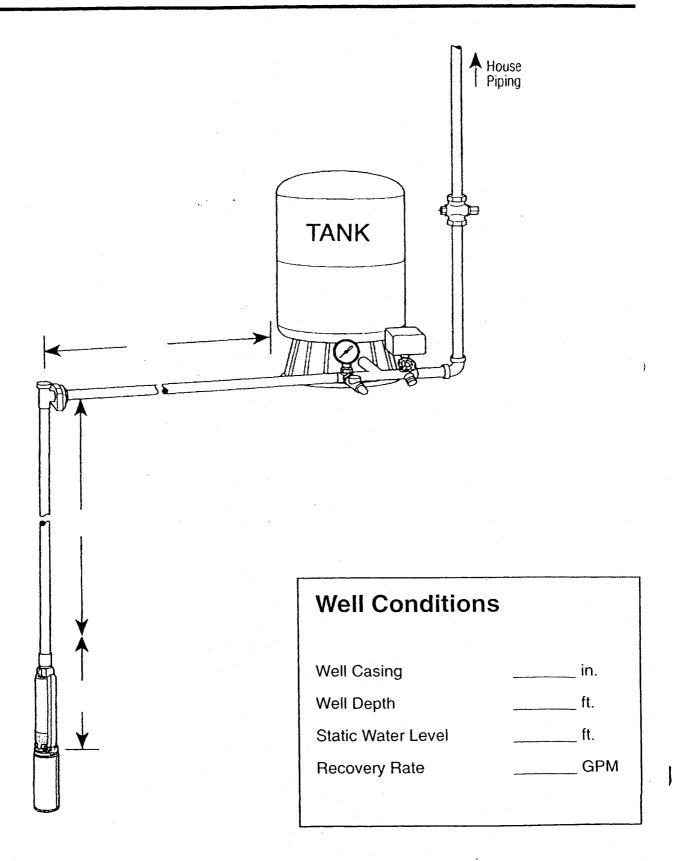
Step 1		Step 2	
Capacity Needed		Jet Assembly Setting	ft.
Fixtures:		(See Diagram)	
Bathtub/Shower		Step 3	
Toilet		Pressure Needed	
Lavatory		Pressure Switch Settings:	
Kitchen Sink		Cut-On	PSI
Dishwasher _		Cut-Off	PSI
Washing Machine Hose Bib		Tank Pressure Set @2 PSI Less Than Cut-On =	PSI
Other _			
FOTAL OUTLETS			
x 1 GPM =	GPM	Step 4	
<sup>2</sup> eak Demand		Selection	
No. of Outlets Being Used at Same Time	· ·	Pump Model	
x 3 GPM =	GPM	Jet Assembly	
		Pressure Control Valve	
		PCV Setting (PSI)	
		Tank	



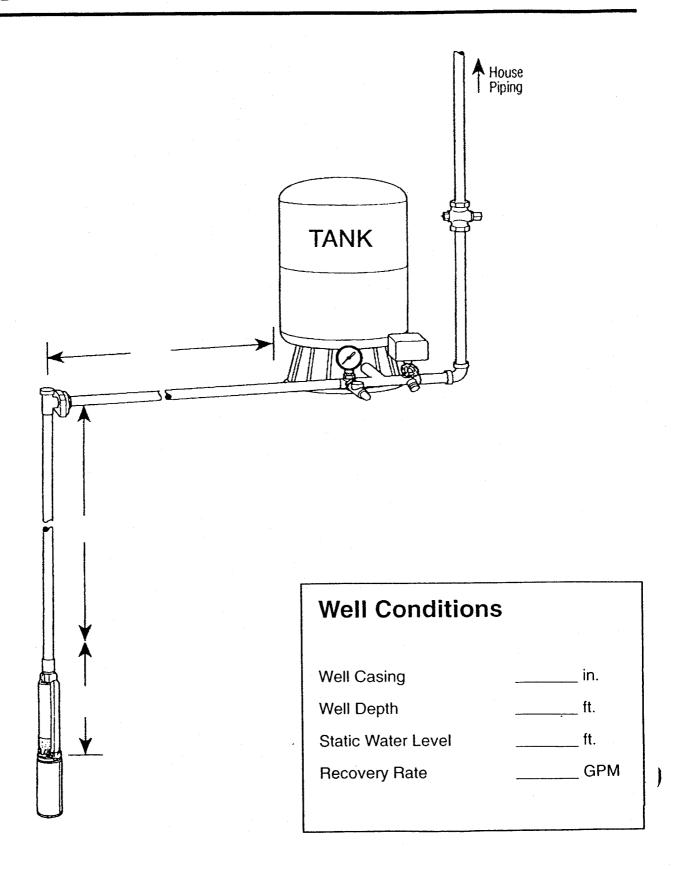


Step 1		Step 2	
Capacity Needed		Jet Assembly Setting (See Diagram)	ft.
<u>ixtures</u> :		(OSS Diagram)	
Bathtub/Shower		Step 3	
Toilet	-	Pressure Needed	
Lavatory		Pressure Switch Settings:	
Kitchen Sink		Cut-On	PSI
Dishwasher	-	Cut-Off	PSI
Washing Machine		Tank Pressure	
Hose Bib		Set @2 PSI Less Than Cut-On =	PSI
Other			
TOTAL OUTLETS			
x 1 GPM =	GPM	Step 4	
Peak Demand		Selection	200 miles (100 miles (
No. of Outlets Being Used at Same Time		Pump Model	·
x 3 GPM =	GPM	Jet Assembly	,,
		Pressure Control Valve	· · · · · · · · · · · · · · · · · · ·
		PCV Setting (PSI)	
		Tank	



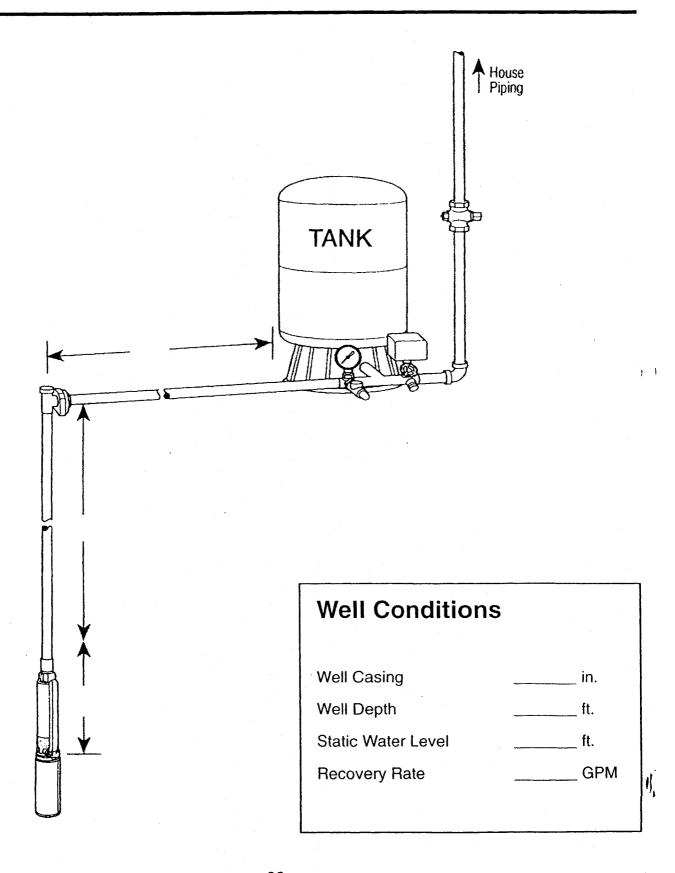


Step 1	Step 2
Capacity Needed	Determine Depth To Water
Fixtures:	Check Valve = ft.
Bathtub/Shower	Pitless Adapter =ft.
Toilet	Pipe (") = ft.
Lavatory	TOTAL = ft.
Kitchen Sink	
Dishwasher	Total Ft.  100  Total Ft.  Number of Hundred
Washing Machine	100 = Number of Hundred
Hose Bib	x Friction Loss/100 Ft. of Pipe
Other	= Ft. (Friction Loss)
OTAL OUTLETS	
x 1 GPM = GPM	Vertical Elevation = ft.
Peak Demand	+ Friction Loss = ft.
No. of Outlets Being Used at Same Time	Total Head (Depth to Water) ft.
x 3 GPM = GPM	
Step 3	Step 4
Pressure Needed	Selection
Pressure Switch Settings:	Pump Model
Cut-On PSI	Wire Size
Cut-OffPSI	Tank
(Check Max. Shut-Off PSI from Bulletin)	Relief Valve
Tank Pressure Set @2 PSI Less Than Cut-On = PSI	Motor
_iectrical:	
Phase/ Volt/ Wire Me	otor

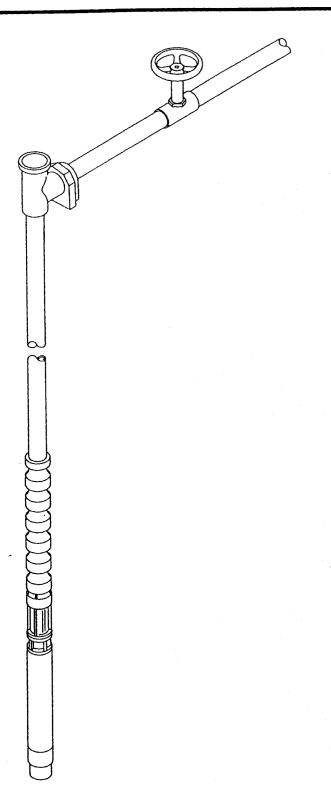


Step 1	Step 2
Capacity Needed	Determine Depth To Water
<u>-ixtures</u> :	Check Valve = ft.
Bathtub/Shower	Pitless Adapter = ft.
Toilet	Pipe ( ft.
Lavatory	TOTAL = ft.
Kitchen Sink	
Dishwasher	Total Ft Number of Hundred
Washing Machine	100
Hose Bib	x Friction Loss/100 Ft. of Pipe
Other	= Ft. (Friction Loss)
`TAL OUTLETS	
x 1 GPM = GF	Vertical Elevation =ft.
eak Demand	+ Friction Loss = ft.
No. of Outlets Being Used at Same Time	Total Head (Depth to Water) ft.
x 3 GPM = GF	PM
itep 3	Step 4
ressure Needed	Selection
ressure Switch Settings:	Pump Model
Cut-On PS	Wire Size
Cut-OffPS	SI Tank
heck Max. Shut-Off PSI from Bulletin)	Relief Valve
Tank Pressure Set @2 PSI	Motor
Less Than Cut-On = PS	
trical:	
Phase/ Volt/ Wire	Motor





Step 1		Step 2
Capacity Needed		Determine Depth To Water
<u>Fixtures</u> :		Check Valve = ft.
Bathtub/Shower		Pitless Adapter = ft.
Toilet	<del></del>	Pipe (") = ft.
Lavatory	· · · · · · · · · · · · · · · · · · ·	TOTAL =ft.
Kitchen Sink	· .	
Dishwasher		Total Ft. = Number of Hundred
Washing Machine	· · ·	100 = Number of Hundred
Hose Bib		x Friction Loss/100 Ft. of Pipe
Other		= Ft. (Friction Loss)
OTAL OUTLETS	· · · · · · · · · · · · · · · · · · ·	
x 1 GPM =	GPM	Vertical Elevation =ft.
Peak Demand		+ Friction Loss = ft.
No. of Outlets Being Used at Same Time		Total Head (Depth to Water) ft.
x 3 GPM =	GPM	
Step 3		Step 4
Pressure Needed		Selection
Pressure Switch Settings:		Pump Model
Cut-On	PSI	Wire Size
Cut-Off	PSI	Tank
(Check Max. Shut-Off PSI from E	Bulletin)	Relief Valve
Tank Pressure Set @2 PSI		Motor
Less Than Cut-On =	PSI	
Electrical:		
Phase/ Volt/	Wire Motor	



GPM @ ' Pumping Level " Casing ' Wire Phase/\	
Check Valve =	ft.
Pitless Adapter/Tee =	ft.
Pipe =	ft.
Globe Valve =	ft.
TOTAL =	ft.
Round Up To =	ft.
= Number of Hi x = Loss Per Hur = ft. or	ndred Ft. of Pipe
Vertical Elevation=	ft.
+ Friction Loss =	ft.
+ Pressure x 2.31	
Total Dynamic Head (TDH	
Required GPM @	•
Pump Model	
Efficiency (%)	
Motor Number	
Magnetic Starter	
Magnetic Starter	

Cable Size (Wire)

