

ENDOT INDUSTRIES

PIPE AND TUBING PRODUCTS

Selecting the Right Pipe for Wells

When installing a jet or submersible pump it is important to select pipe that has a pressure rating that matches or exceeds the working pressure that will exist in the well.

Two factors are used to determine Working Pressure:

- 1) Number of feet from the top of the well to the pumping water level
One Foot of Water Depth = .433 PSI
- 2) The setting of the tank pressure switch (in PSIG)

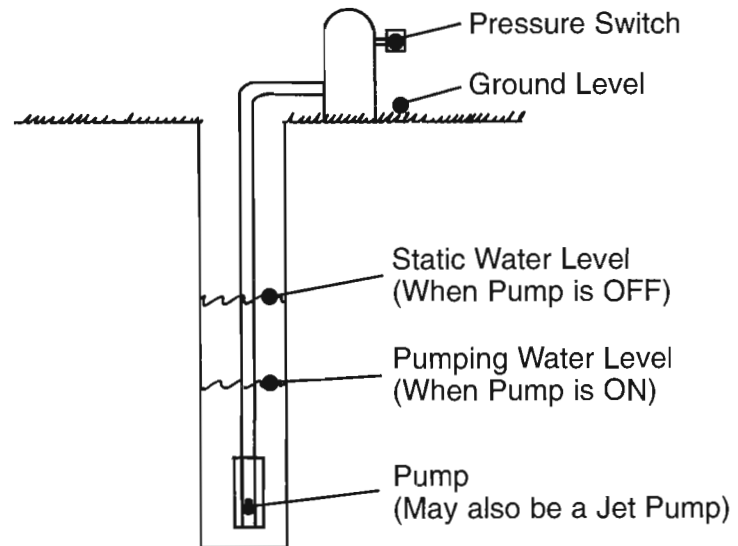
The following formula will provide the Working Pressure:

$$(\text{Depth} \times .433) + (\text{Switch Setting}) = \text{Working Pressure}$$

For example, if the Pumping Level is 360 ft. and the Pressure Switch set at 40 PSIG the formula will be:

$$(360 \times .433) + 40 = 195.9 \text{ PSI}$$

A pipe with a rating of 200 PSI or greater is needed. Use of pipe with a lower pressure rating may result in pipe failure and will void the Pipe Warranty.



CAUTION: If the pumping level used to calculate pipe requirements for a well is substantially above the bottom and the pumping level drops due to drought or other conditions, the pressure rating of the pipe could be exceeded.

Depth Settings of Pumps Using ENDOT Prime Pipe

Maximum Pressure Switch Setting	0 PSIG	40 PSIG	50 PSIG	60 PSIG
	Maximum Depth			
250 PSI Pipe	578 ft.	485 ft.	462 ft.	440 ft.
200 PSI Pipe	463 ft.	370 ft.	347 ft.	325 ft.
160 PSI Pipe	370 ft.	278 ft.	255 ft.	231 ft.
100 PSI Pipe	231 ft.	140 ft.	116 ft.	93 ft.

NOTE: ENDOT Deep Well Pipe is manufactured in accordance with ASTM D2239 and D1248. This specification determines the pressure rating of the pipe. Any claims that pipe can be used at greater depths cannot be supported by technical data.

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