

Jay Mundy/DSD/PHX  
09/11/2007 02:28 PM

To kaddo@ceieng.com  
cc  
bcc  
Subject Re: Grinder Pump Assistance

KOFI,

Section 710.3.3 of the 2006 Uniform Plumbing Code requires the following:

"In OTHER THAN single-dwelling units, the ejector or pump shall be capable of passing a two (2) inch diameter solid ball, and the DISCHARGE PIPING of each ejector or pump shall have a backwater valve and gate valve, and be a MINIMUM of three (3) inches in diameter.

Although the Code specifies use of a GATE VALVE, we will accept a full-port ball valve as being equivalent to a gate valve.

Additional information in Section 710.9 requires that when utilized in any "public use" occupancy the sump "shall be provided with dual pumps or ejectors arranged to function alternately in normal use, and independently in case of overload or mechanical failure". In essence the Code requires cycling pumps with alarms to signal either an overload condition or a pump failure.

I'm not familiar with specific pump systems used recently in Phoenix, but a distributor of sewage sump pumps should be able to recommend any number of possibilities based upon the applicable Code requirements.

If I can offer additional assistance please let me know.

Jay

kaddo@ceieng.com



kaddo@ceieng.com  
09/07/2007 03:35 PM

To Jay Mundy/DSD/PHX@PHXENT  
cc  
Subject Grinder Pump Assistance

Hi Jay,

I would like you assistance in choosing a grinder pump package that will work on a commercial site in Phoenix. I had originally chosen an E-one duplex grinder pump package but the discharge pipe on the pump is 1-1/4 inch instead of a 2" as required by code. Could you please help me identify that pump that has been used in the City recently for a commercial application?

Thanks

KOFI ADDO

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