**Unit 3 – Fluids: Quiz 3b**

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A container of salt water (d=1030 kg/m3), diameter 12 cm, has a small opening near the bottom that can be unplugged so that the water can run out. If the top of the tank is open to the atmosphere, what is the exit speed of the water leaving through the hole? The water level is 15 cm above the bottom of the container. The center of the 3.0 diameter hole is 4.0 cm from the bottom. ***Include a diagram!***

Answer:

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We can plug in the data:



