

How to Choose the Correct Check Valve

- To find out the MPT size of the outlet threads you will need to measure the **outside diameter** (“O.D.”) of the threads going into the tank. The “MPT” size will always measure $\frac{1}{4}$ ” **under** the actual O.D. measurement of the threads. Hence, if the O.D. of the threads is 1”, you will need a $\frac{3}{4}$ ”MPT check valve, if the O.D. is $\frac{3}{4}$ ” you will need a $\frac{1}{2}$ ”MPT check valve, etc. (pictured below is a $\frac{1}{2}$ ”MPT check valve).



- When choosing a Flare-style Check Valve, measure the O.D. of the male flare threads. If it measures $\frac{3}{4}$ ", then you will need a $\frac{1}{2}$ " MPT Flare Check Valve. The MPT size will always measure $\frac{1}{4}$ " **under** the O.D. (outside diameter) of the male flared thread (pictured below).



- When measuring male Compression threads, measure the **inside diameter** ("I.D.") of compression fitting. If the I.D. measures $\frac{1}{2}$ ", then you need a $\frac{1}{2}$ " Compression Check Valve (seen in the below photo). This measurement should also coincide with the outside diameter (O.D.) of the discharge transfer tube.



- When measuring a Female Pipe-style Check Valve (FPT), measure the **inside diameter** (I.D.) of the thread, like you would a Compression-style check valve. If the I.D. of the thread measures $\frac{3}{4}$ ", then you need a $\frac{1}{2}$ " FPT Check Valve (pictured below). The FPT size will always measure $\frac{1}{4}$ " **under** the I.D. measurement.

