

$$h' = \frac{0.0425 q}{D^2} \quad \text{Ft/min}$$

q in GPM  
D, h in FT

NOTE: TO MEASURE THE CHANGE IN LEVEL,  $h'$ , FOR A CYLLINDRCAL TANK OF HEIGHT,  $h$ , AND DIAMETER,  $D$  AND FOR A INCOMING FLOW RATE,  $q$ , IN GAL/MIN

APPLY THE FORMULA

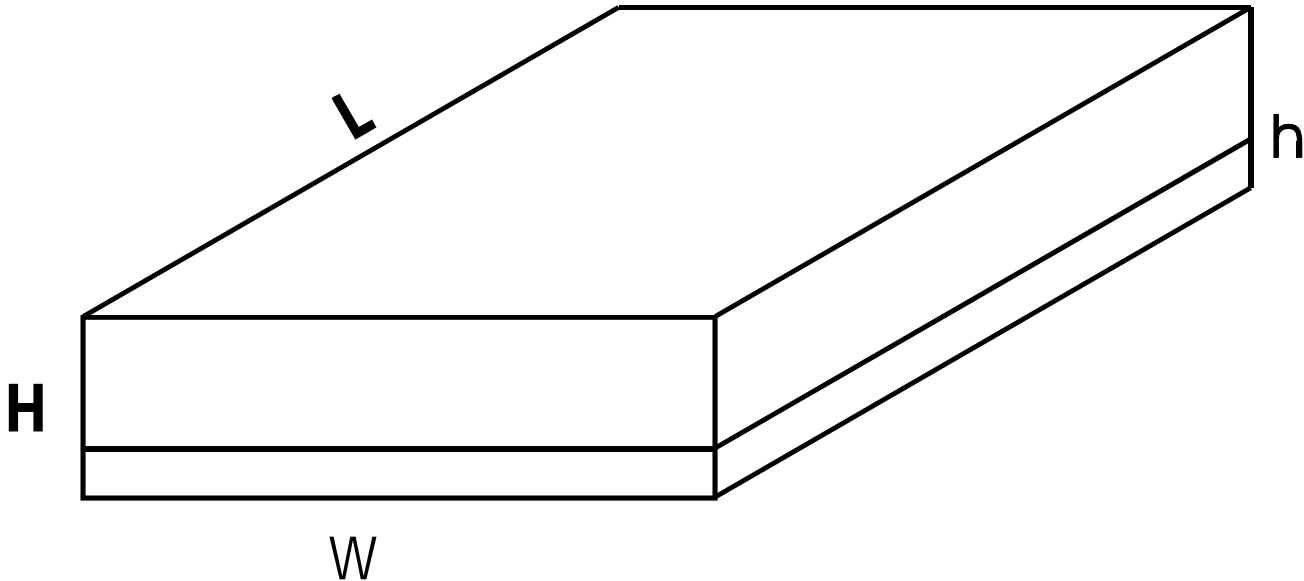
WHERE

$h$  AND  $D$  ARE IN FT AND  $q$  GAL/MIN.

$$h' = \frac{0.03542 q}{D^2} \quad \text{In/min}$$

FILL RATE FOR CYLINDRICAL TANK

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NOTE: TO MEASURE THE CHANGE IN LEVEL  $h'$ , FOR A RECTANGULAR TANK OF HEIGHT,  $H$ , WIDTH,  $W$ , & LENGTH,  $L$ , , FOR A FLOW RATE,  $q$ , IN GAL/MIN APPLY THE FORMULA

$$h' = \frac{231 q}{WL} \quad \text{In/min}$$

WHERE  
 $H, W$  AND  $L$  ARE IN IN,  $q$  GAL/MIN. AND  $h'$  IS IN IN/MIN.

FILL RATE FOR RECTANGULAR TANK

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