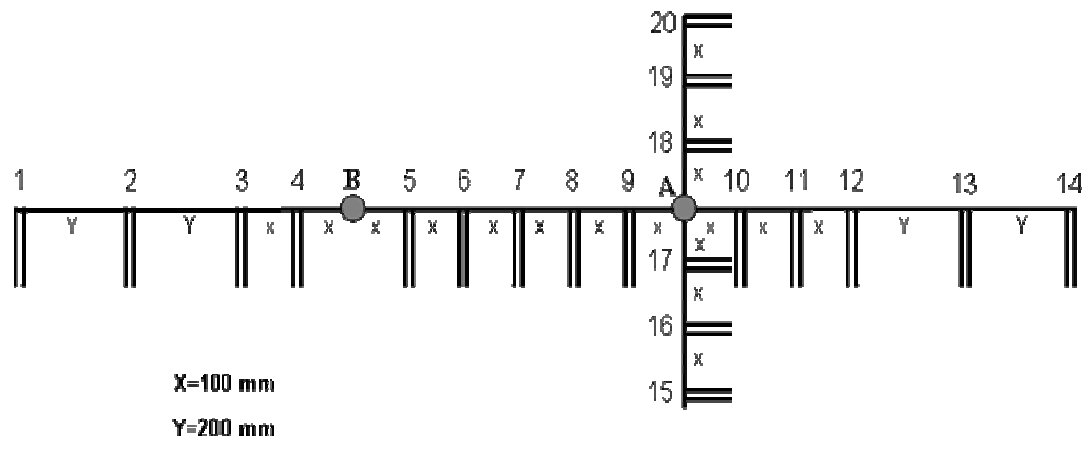
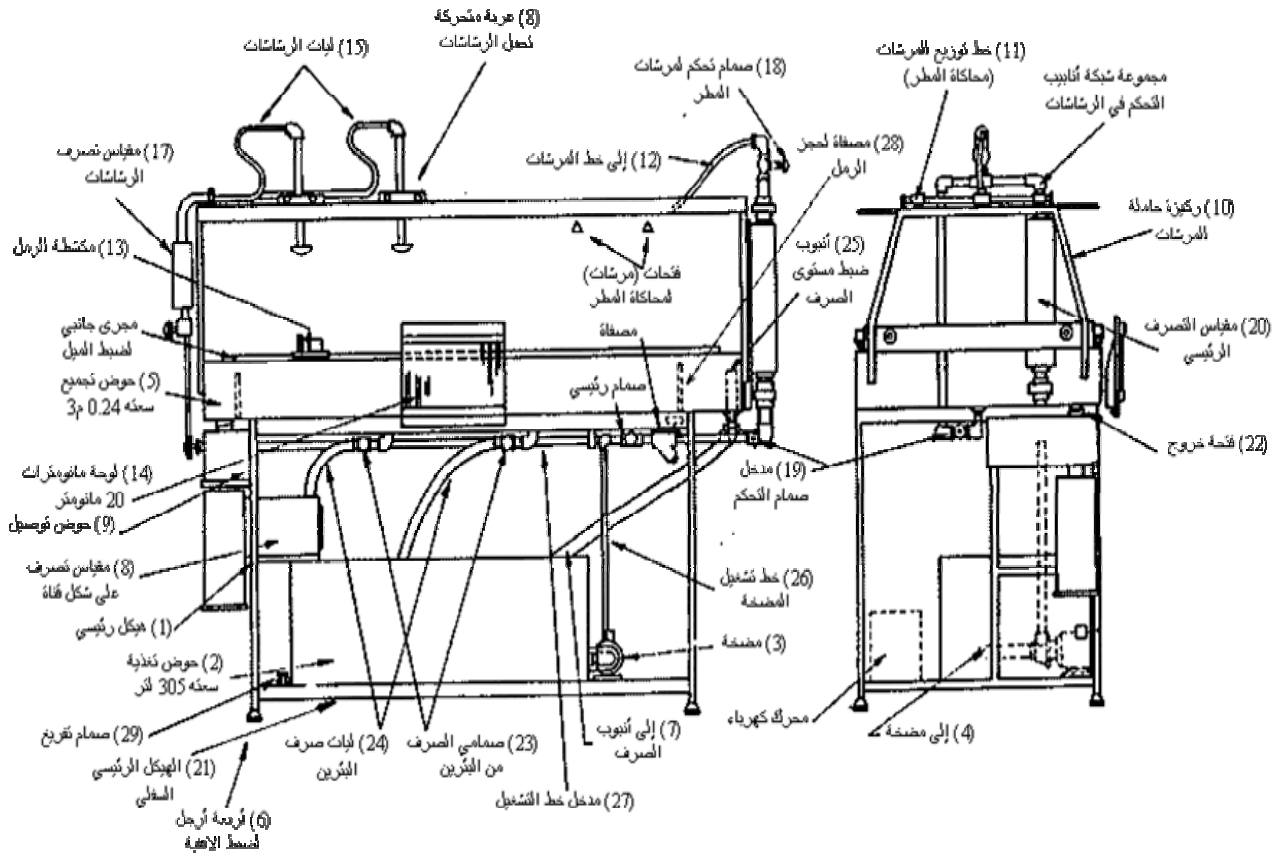


( )  
( )

:



B A

$$Q = \frac{\pi K (h_2^2 - h_1^2)}{\ln(r_2/r_1)}$$

$(h_2)$   $(h_1)$   
 $Q$   
 $A$

$(h_e)$   
 $A$   $A$

( )

K

$$Q = \frac{\pi K}{\ln(r_e/r_w)} \left[ (h_e^2 - h_w^2) + \frac{R}{2K} (r_e^2 - h_w^2) \right]$$

$$Q_i = Q_1 = Q_2 = \frac{\pi K (h_e^2 - h_w^2)}{\ln(r_e^2 / r_w \cdot B)}$$

Test No.									
No	X (cm)	$h_e$ (mm)= Q (L/sec)=							
1	120	$h_1$ (mm)=							
2	100	$h_2$ (mm)=							
3	80	$h_3$ (mm)=							
4	70	$h_4$ (mm)=							
5	50	$h_5$ (mm)=							
6	40	$h_6$ (mm)=							
7	30	$h_7$ (mm)=							
8	20	$h_8$ (mm)=							
9	10	$h_9$ (mm)=							
10	-10	$h_{10}$ (mm)=							
11	-20	$h_{11}$ (mm)=							
12	-30	$h_{12}$ (mm)=							
13	-50	$h_{13}$ (mm)=							
14	-70	$h_{14}$ (mm)=							
15	30	$h_{15}$ (mm)=							
16	20	$h_{16}$ (mm)=							
17	10	$h_{17}$ (mm)=							
18	-10	$h_{18}$ (mm)=							
19	-20	$h_{19}$ (mm)=							
20	-30	$h_{20}$ (mm)=							