La curva de la bomba (B1) ajusta a los datos:

						L.		<u> </u>
Q(m ³ /h)	4,0	6,0	8,0	10,0	12,0	14,0	16,0	18,0
H (m)	20,2	18,5	17,0	15,0	12,8	10,0	6,5	3,0
NPSHr (m)	1,9	2	2	2,3	2,7	3,1	4	5

Q>,12 m/h -> H = 30 m

La curva de la bomba (B2) ajusta a los datos:

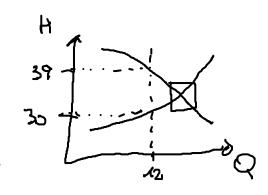
					<u>ا</u>		
Q(m ³ /h)	4,0	6,0	8,0	10,0	12,0	14,0	16,0
H (m)	37,0	33,7	30,0	26,1	21,2	13,3	4,0
NPSHr (m)	2	2,2	2,7	3,5	4,5	5,6	7

amax pecome de operación.

* Serre

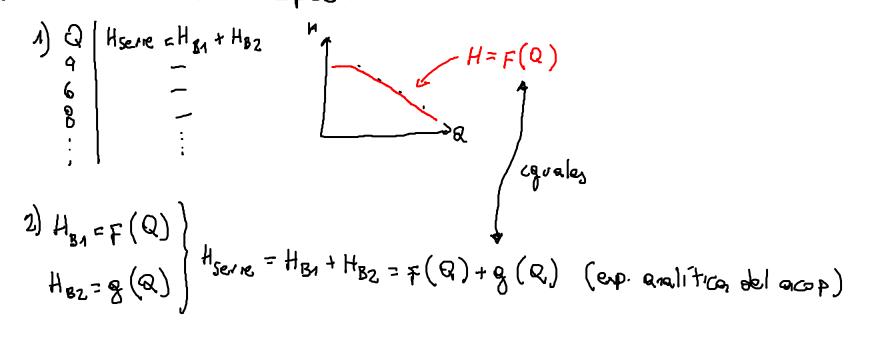
$$H_{\text{Serre}} = H_A + H_B \left(a Q_{bba} = 12^{m_b^3/h} \right)$$

$$= 2H_i \left(5i \text{ bbas iquales} \right)$$



PO debe ester en al rango 450516 m3/h

¿ Como determina c. bbas acopladas!

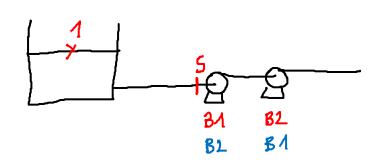


$$Q = 12,3^{m/h}$$
 $Q = 12,6^{m/h}$

$$H = 31,3 m$$
 $H = 29,7 m$

dentro del rango recomendo de operación de 650s.

- Determinar riesgo de cavitaçion



NPSHd =
$$\frac{P_s}{e_g}$$
 + $\frac{v_s^2}{v_s}$ - $\frac{P_{\text{vap}}}{e_g}$

BEM entre 1,5 - $\frac{1}{2}$ - $\frac{1}{2}$ (2mm)

 $\frac{P_s}{e_g}$ + $\frac{v_s^4}{2e_g}$ = $\frac{P_{\text{atm}}}{e_g}$ - $\frac{(2s-21)}{2s}$ - $\frac{1}{2}$ -

serie comple el servicio

*Paralolo.

La curva de la bomba (B1) ajusta a los datos:

Q(m ³ /h)	4.0	6,0	8,0	10,0	12,0	14,0	16,0	18,0
H (m)	20,2	18,5	17,0	15,0	12,8	10,0	6,5	3,0
NPSHr (m)	1,9	2	2	2,3	2,7	3,1	4	5

La curva de la bomba (B2) ajusta a los datos:

Q(m ³ /h)	4,0	6,0	8,0	10,0	12,0	14,0	16,0
H (m)	37,0	33,7	30,0	26,1	21,2	13,3	(4,0)
NPSHr (m)	2	2,2	2,7	3,5	4,5	5,6	7

$$Q_{n} = Q_{n+Q_{32}}$$

$$Q_{n+Q_{32}}$$

$$Q_{n+Q_{32}}$$

$$Q_{n+Q_{32}}$$

HSIST = 30 m > HI, max -> acop 11 no cumple el (20,2m) servicio ¿ Como occaplor en paralelo?

$$-\frac{4}{5} = \frac{1}{5}$$

$$-\frac{1}{5} = \frac{1}{5}$$

$$-\frac{1}{5$$