

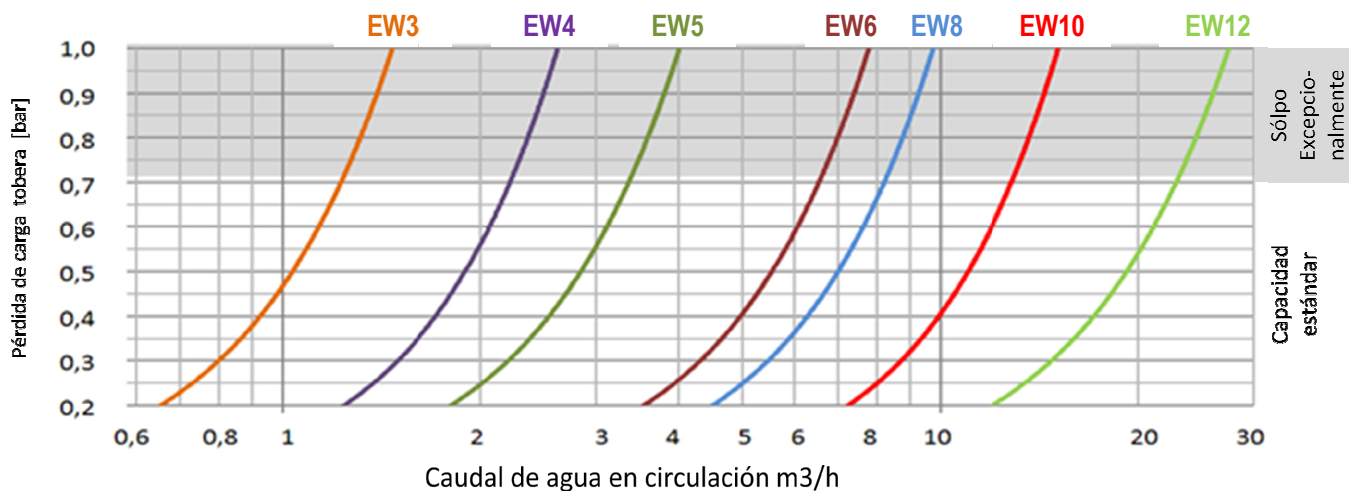


PERDIDA DE CARGA TOBERAS

EWK
Equipos de Refrigeración, S.A.

EQUIPAMIENTO ESTANDAR DE TODAS LAS TORRES CON TOBERAS DE ROSCA – TIPO EW 3...12

Torre serie EWK	036	064	100
Nº DE TOBERAS	1	1	1
Tipo de Tobera	3...8	5...12	6...12



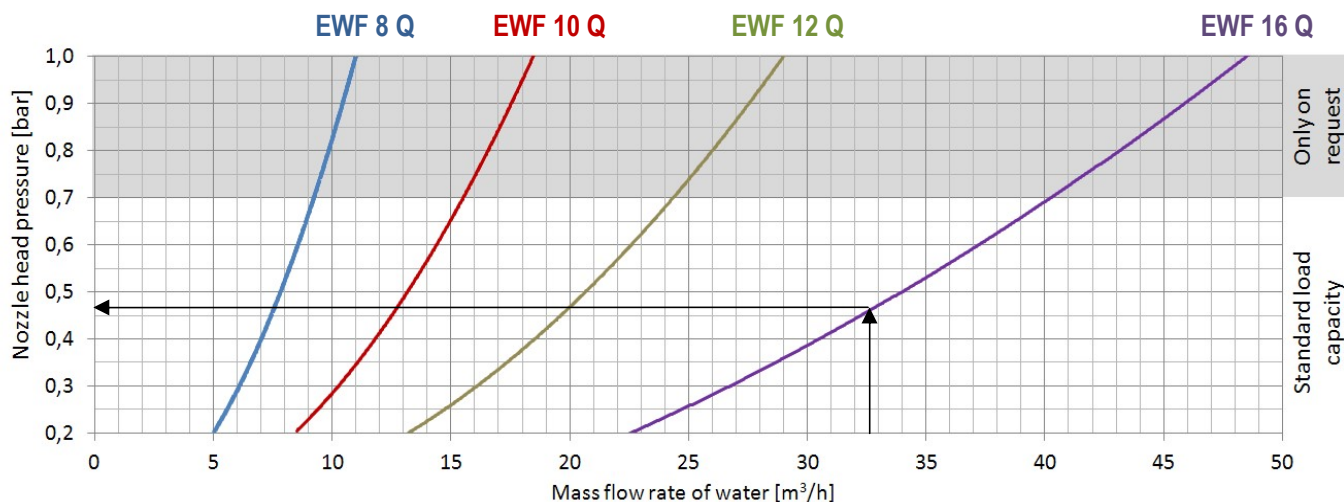
EQUIPAMIENTO ESTÁNDAR DE LAS TORRES DE REFRIGERACION CON TOBERAS ESPECIALES TIPO EWF 8...16 Q

Cooling tower serie EWK	144	225	324	441	576	680	900/930	1260	1800
NUMBER OF NOZZLES	1	4	4	4	4	6	8	12	16

Torres serie EWK Modular	2100	3100	4200	4500	6200	9000
NUMERO DE TOBERAS	16	24	32	36	48	72

Torres serie EWK-D	225	324	450	680	900
NUMERO DE TOBERAS	4	4	4	6	8

Torres serie EWB	1730	2300	2875	3600	3460	4600	5750	7200
NUMERO DE TOBERAS	12	16	20	25	24	32	40	50



Example for selection of EWB 3460

The water flow rate m_w is 790 m³/h, according the table above the number of nozzles is 24.

The throughput of each nozzle is $790/24 = 32,9$ m³/h, 24 nozzles of type EWF 16Q are selected, the head pressure per nozzle $p_{\text{nozzle}} = 0,46$ bar. On an operating cooling tower the head pressure can be measured with a manometer. According to the diagram above the water flow rate per each nozzle can be established.