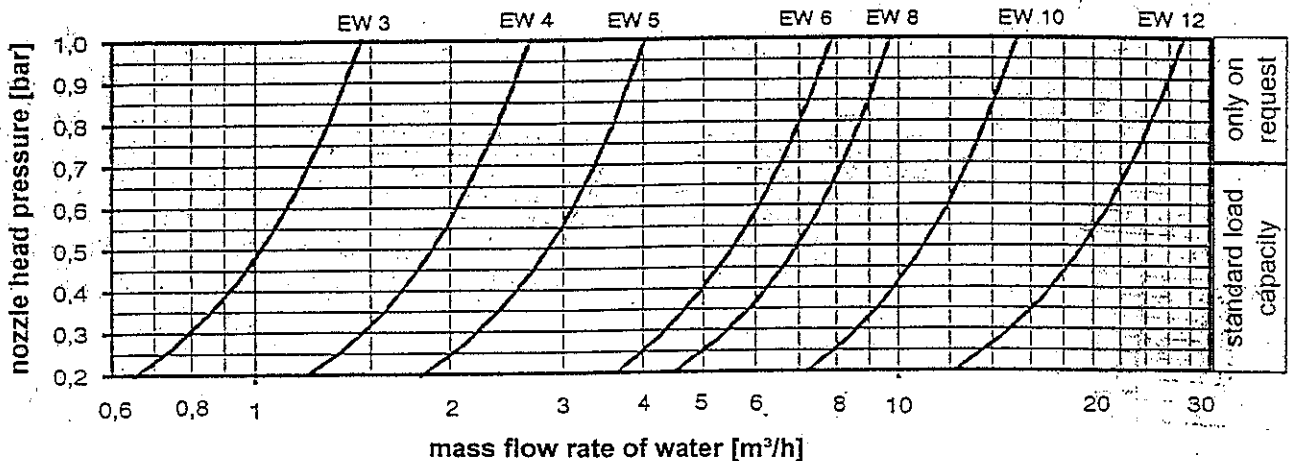


standard equipment of all cooling towers with screw nozzles - type EW 3..12

cooling tower serie EWK	036	064	324
number of nozzles	1	1	4
nozzle type	3...8	5...12	6...12



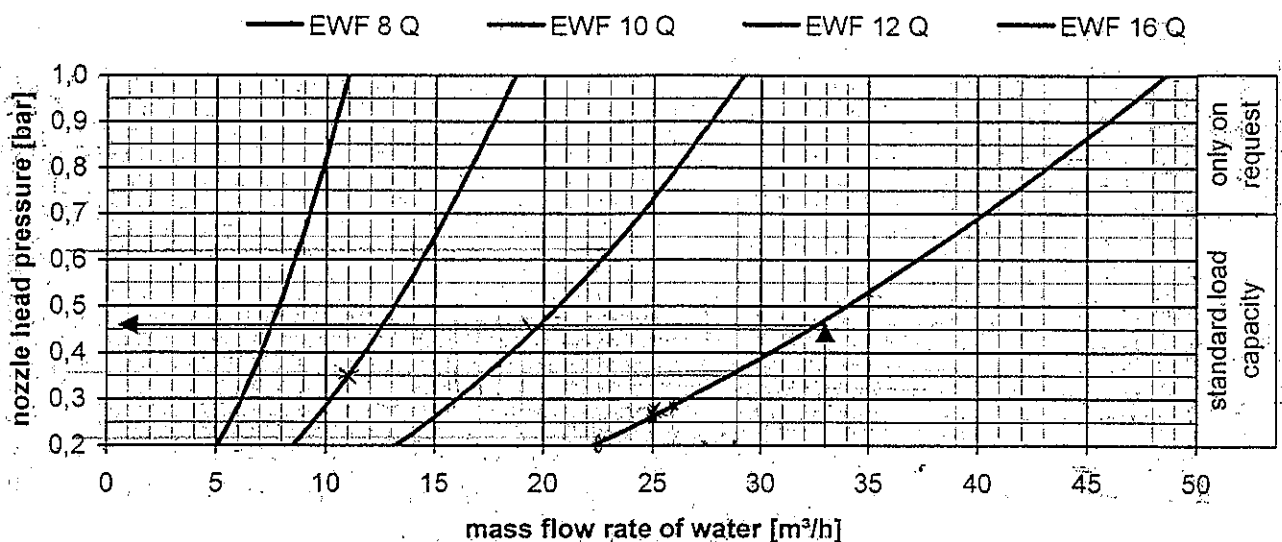
standard equipment of all cooling towers with special-flange nozzles - type EWF 8..16 Q

cooling tower serie EWK	144	230	450	680	900	1260	1800
number of nozzles	1	4	4	6	8	12	16

cooling tower serie EWK-D			450	680	930
number of nozzles			4	6	8

cooling tower serie EWB	1300	1730	2300	2875	3600		2600	3460	4600	5750	7200
number of nozzles	9	12	16	20	25		18	24	32	40	50

cooling tower serie MODUPOL®	2100	3100	4500	6100			4200	6200	9000	12200
number of nozzles	16	24	36	48			32	48	72	96



Example for selection of EWK 3100

The water flow rate \dot{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 16 Q 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.

Subject to technical modifications !