

Lockshield Radiator Valves



Description

Lockshield Return Valves for isolation, and kv-setting (balancing), some versions proposed drain off or setting memory.

Easy setting with standard Allen Key or specific tool (334)

Comap lockshield are crucial to balance installation, and ensure the radiator valve works at good authority.

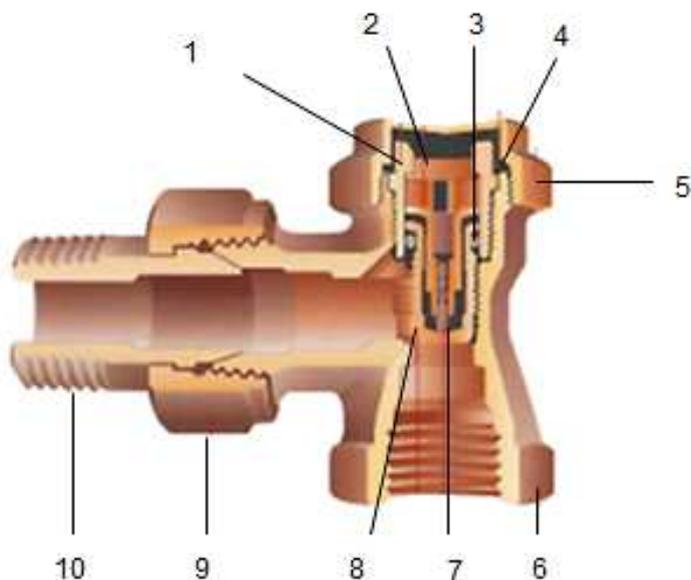
Versions

Functions	Standard : Isolation & kv setting Versions : Drain-off, memory
Pipe connection	Threaded female or Male, Solder copper, Multi-layer pipe
Radiator connection	Metal / metal: 3/8", 1/2", 3/4", 1" Or With 2 o'rings on the cone and on the radiator side: 3/8" and 1/2"

Benefits

- Accurate position setting for efficient commissioning
- The lockshield 's memory option hold the position even after radiator replacement
- Multiconnection means to fit installation preferences

Conception



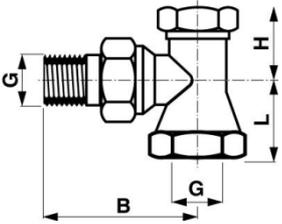
1. Drain-off
2. Memory stop
3. Ethylene-polypropylene O ring, anti-freeze resistant
4. Flat gasket
5. Plug (brass)
6. Hot-stamped brass body
7. Memory setting locking screw
8. Setting needle
9. Nut

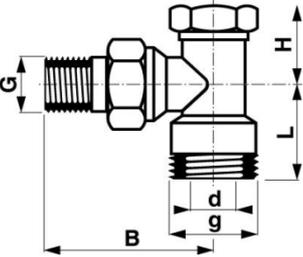
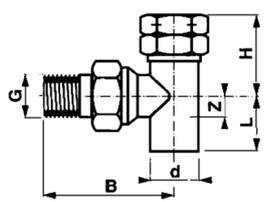
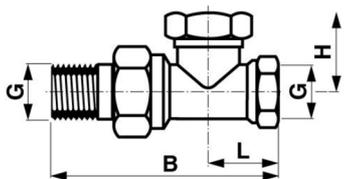
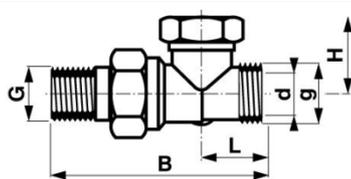
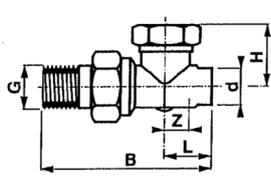
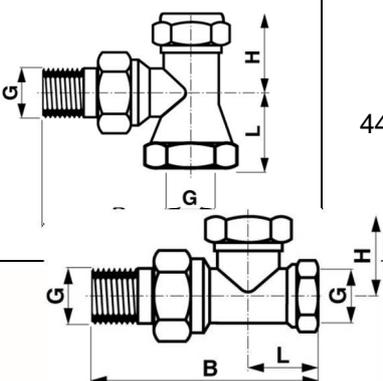
Applications

For standard hot-water heating applications, within the following ratings:

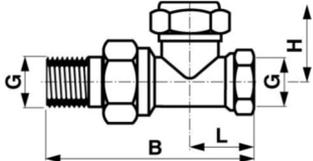
Maximum pressure of use: 10 bar
Maximum temperature of use: 110 ° C

Dimensions

	Ref	Code	G	g	d	B	H	L	Z
	2428	428203	3/8"			43	21	20,5	
	3428	428303							
	2428JT	428203B							
	2428	428204	1/2"			49,5	17,5	22	
3428	428304								
2428JT	428204B								
	2428	428206	3/4"			61	21	25	
	3428	428306							
	2428	428008	1"			73	38	30,5	
	2428E	428713	3/8"	M22x1.5	16	43	21	20.5	
	2428EJ	428713B							
	2428E	428704	1/2"	M22x1.5	16	49.5	17.5	22	

	3428E 2428EJ	428804 428704B							
	2428CU	428254	1/2"		15	49.5	17	19.5	8.5
	3428CU	428644	1/2"		14	49.5	17	19.5	8.5
	2429 3429 2429J	429203 429303 429203B	3/8"			64	24	22	
	2429 3429 2429J	429204 429304 429204B	1/2"			67	25	21.5	
	2429 3429	429206 429306	3/4"			86	28.5	28	
	2429	429208	1"			102	49	32	
	2429E 3429E 2429EJT	429704 429804 429704B	1/2"	M22x1.5	16	64.5	25	19	
	2429E	429714	1/2 "	3/4 Euroconus	18	67.5	25	20.5	
	2429CU	429254	1/2"		15	65.5	25.5	20	9
	3429CU	429644	1/2"		14	65.5	25.5	20	9
	4468	427803	3/8"			52	24	22	
		427804	1/2"			58	25	26	
		427806	3/4"			66	26.5	29	



	4469	427903	3/8"			75	31	23.5	
		427904	1/2"			80	30.5	26	
		427906	3/4"			91	30	33	

Product line

Photo	Ref	Functions (nb)	Form	Pipe connection	Radiator connection	Kvs (m3/h at BP 2k)	Code
	2428	2	Angle	Female	R 3/8	1.55	428203
					R 1/2	2.2	428204
					R 3/4	4.2	428206
	2428E	2	Angle	Male M22	R 3/8	1.55	428713
					R 1/2	2.2	428704
	2428JT	2	Angle	Female	R 3/8	1.55	428203B
					R 1/2	2.2	428204B
	2428EJ	2	Angle	Male M22	R 3/8	1.55	428713B
					R 1/2	2.2	428704B
	2428CU	2	Angle	Cu 15mm	R 1/2	2.2	428254

	2429	2	Straight	Female	R 3/8	0.9	429203
					R 1/2	1.8	429204
					R 3/4	3	429206
	2429E	2	Straight	Male M22	R 1/2	1.8	429704
				Euroconus 3/4	R 1/2	1.8	429714
	2429J	2	Straight	Female	R 3/8	0.9	429203B
					R 1/2	1.8	429204B
	2429EJT	2	Straight	Male M22	R 3/8	0.9	429713B
					R 1/2	1.8	429704B
	2429CU	2	Straight	Cu 15mm	R 1/2	1.8	429254
	3428	3	Angle	Female	R 3/8	1.55	428303
					R 1/2	2.22	428304
					R 3/4	4.2	428306
	3428E	3	Angle	Male M22	R 1/2	2.2	428804
	3428CU	3	Angle	Cu 14mm	R 1/2	2.2	428644
	3429	3	Straight	Female	R 3/8	0.9	429303
					R 1/2	1.8	429304
					R 3/4	3	429306

	3429E	3	Straight	Male M22	R 1/2	1.8	429804
				Euroconus 3/4	R 1/2	1.8	429714
	3429CU	3	Straight	Cu 14mm	R 1/2	1.8	429644
	4468	4	Angle	Female	R 3/8	2	427803
					R 1/2	2.2	427804
					R 3/4	2.2	427806
	4469	4	Straight	Male M22	R 3/8	1	427903
					R 1/2	1.8	427904
					R 3/4	2.2	427906

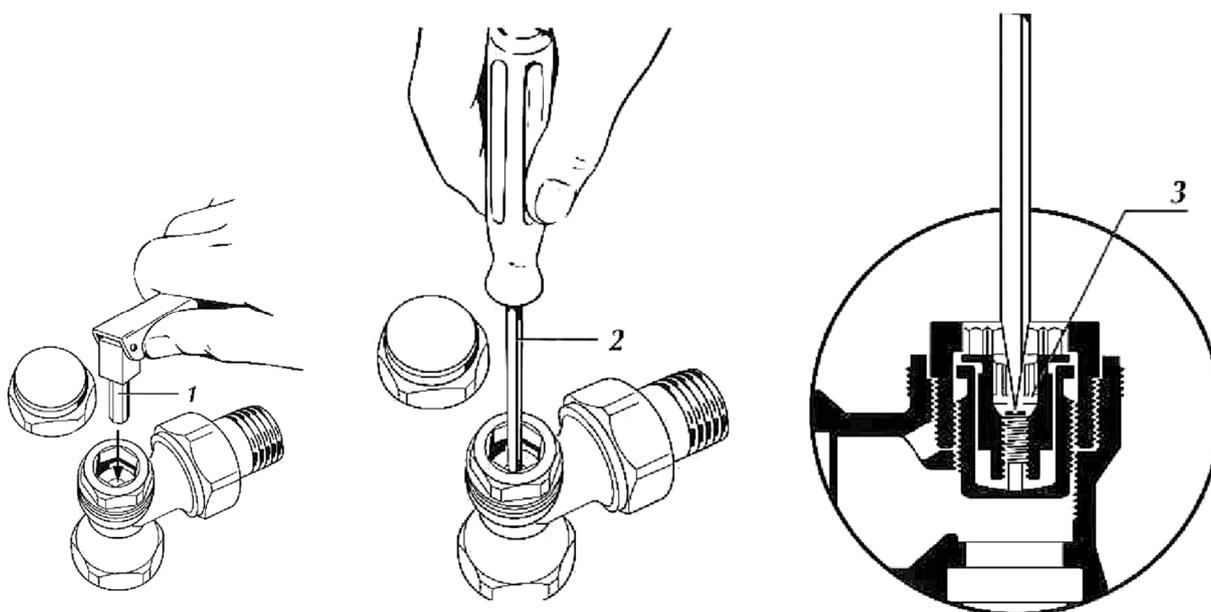
*Functions:

2= isolation and setting

3=isolation, setting and memory

4=isolation, setting, memory and drain off

Setting method



1.Remove the plug. Turn the needle with an adapted key (Allen or 334 tool), clockwise until the stop.

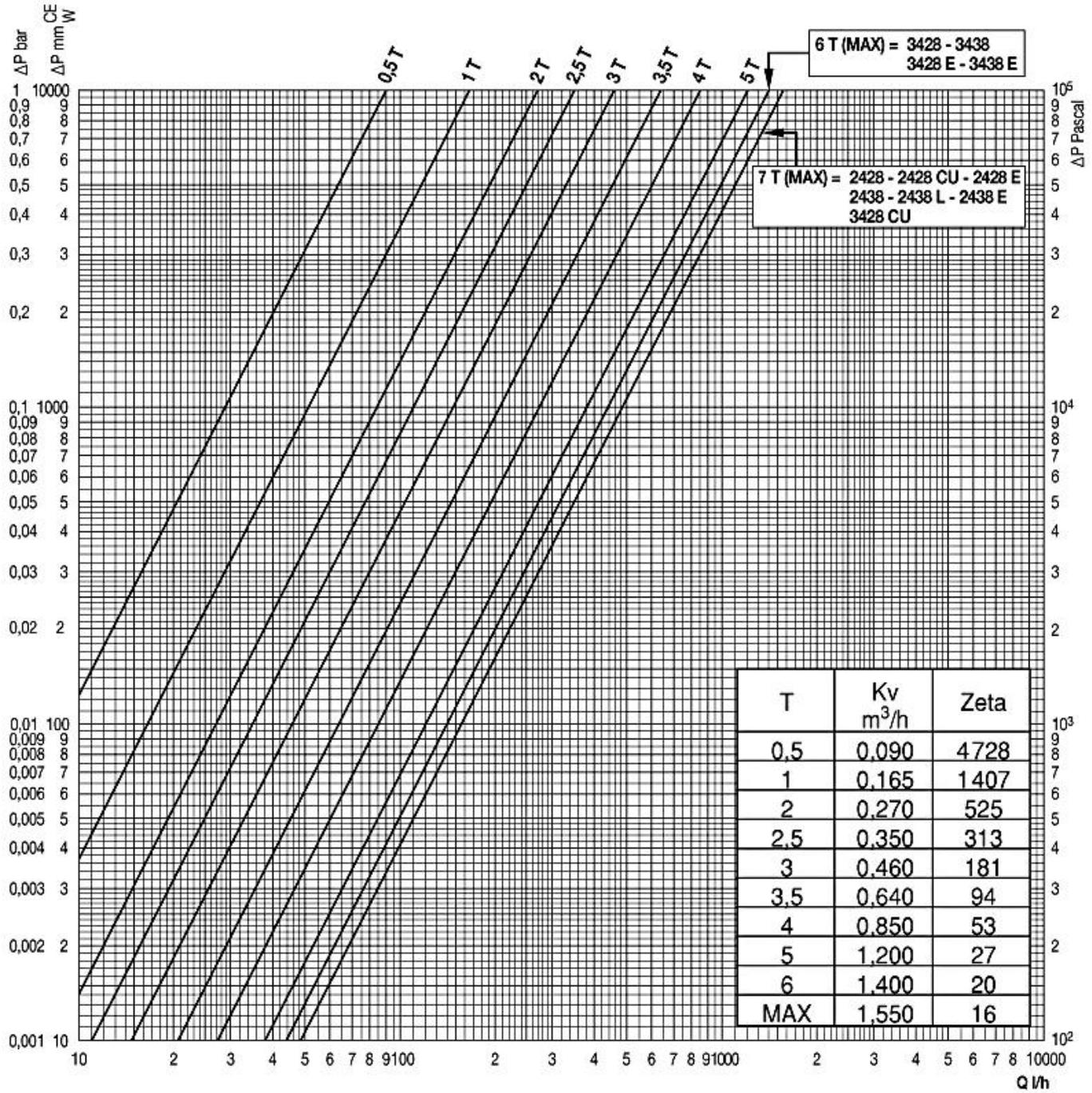
Then unscrew (anti-clockwise) by the required number of turns (see curves) to achieve the desired kv-value.

2.For the memory equipped devices, a flat screw driver should be used.

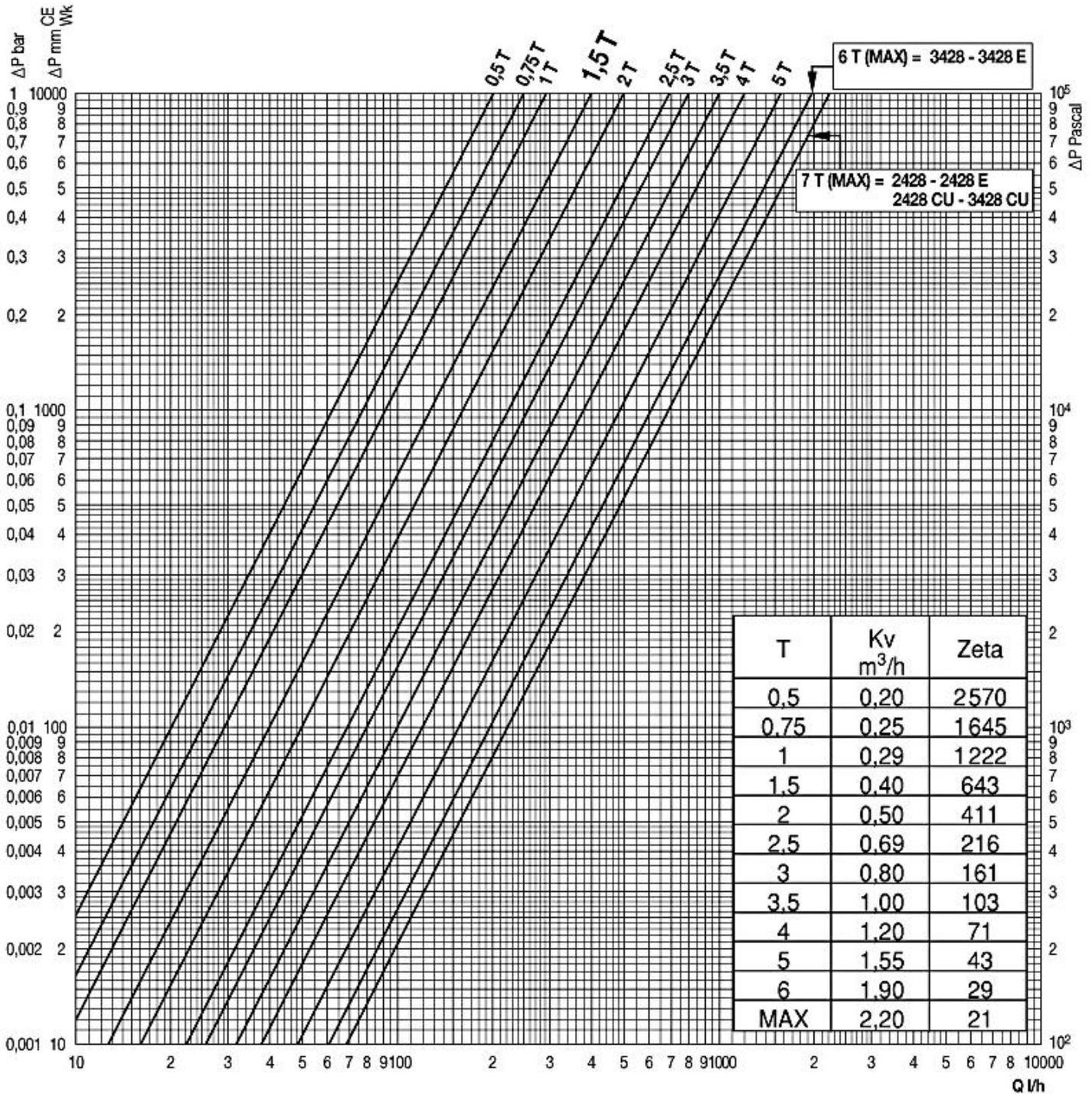
3.Screw the memory locking screw to full stop.

Kv setting curves

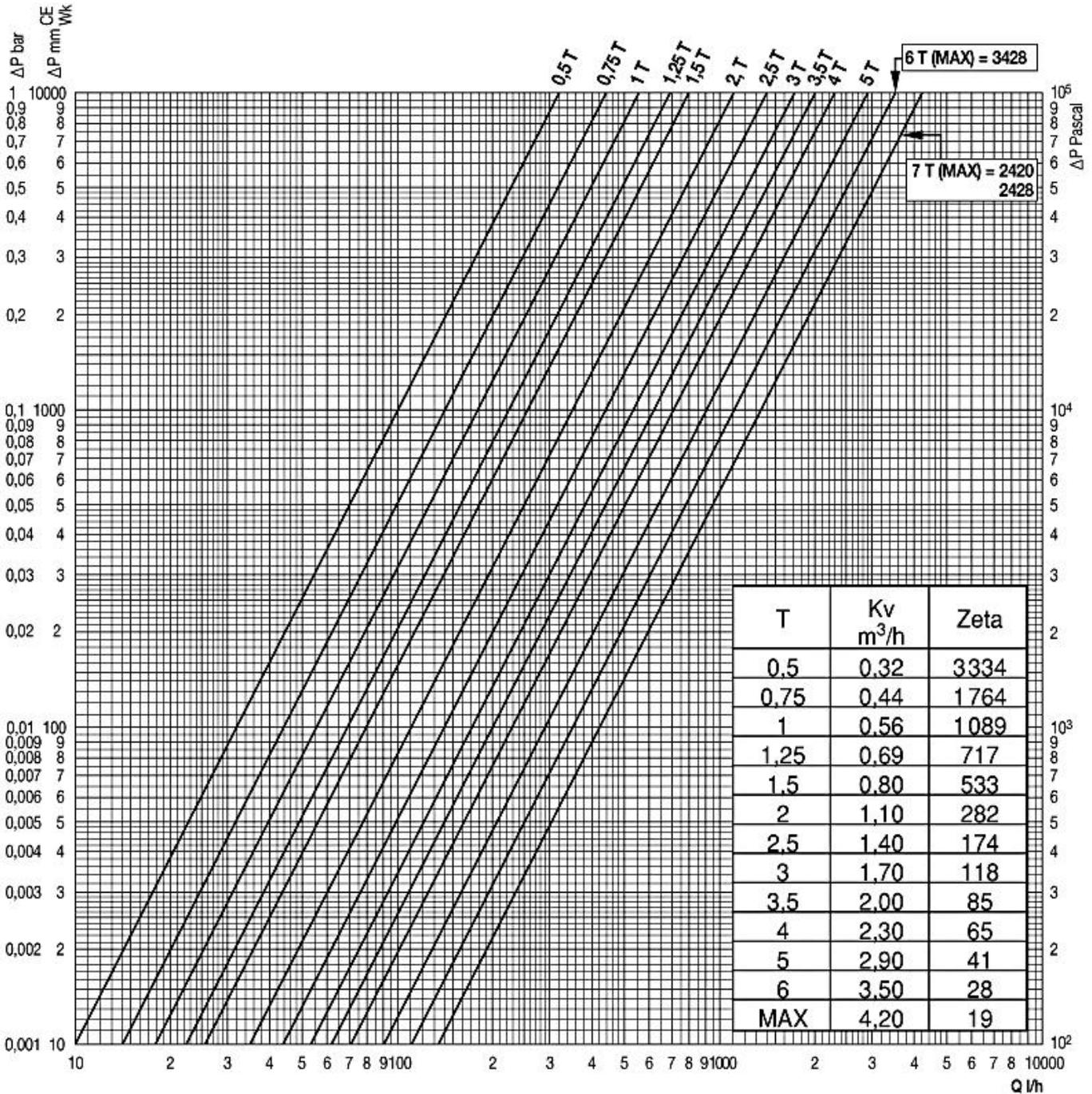
2428/3428 3/8"



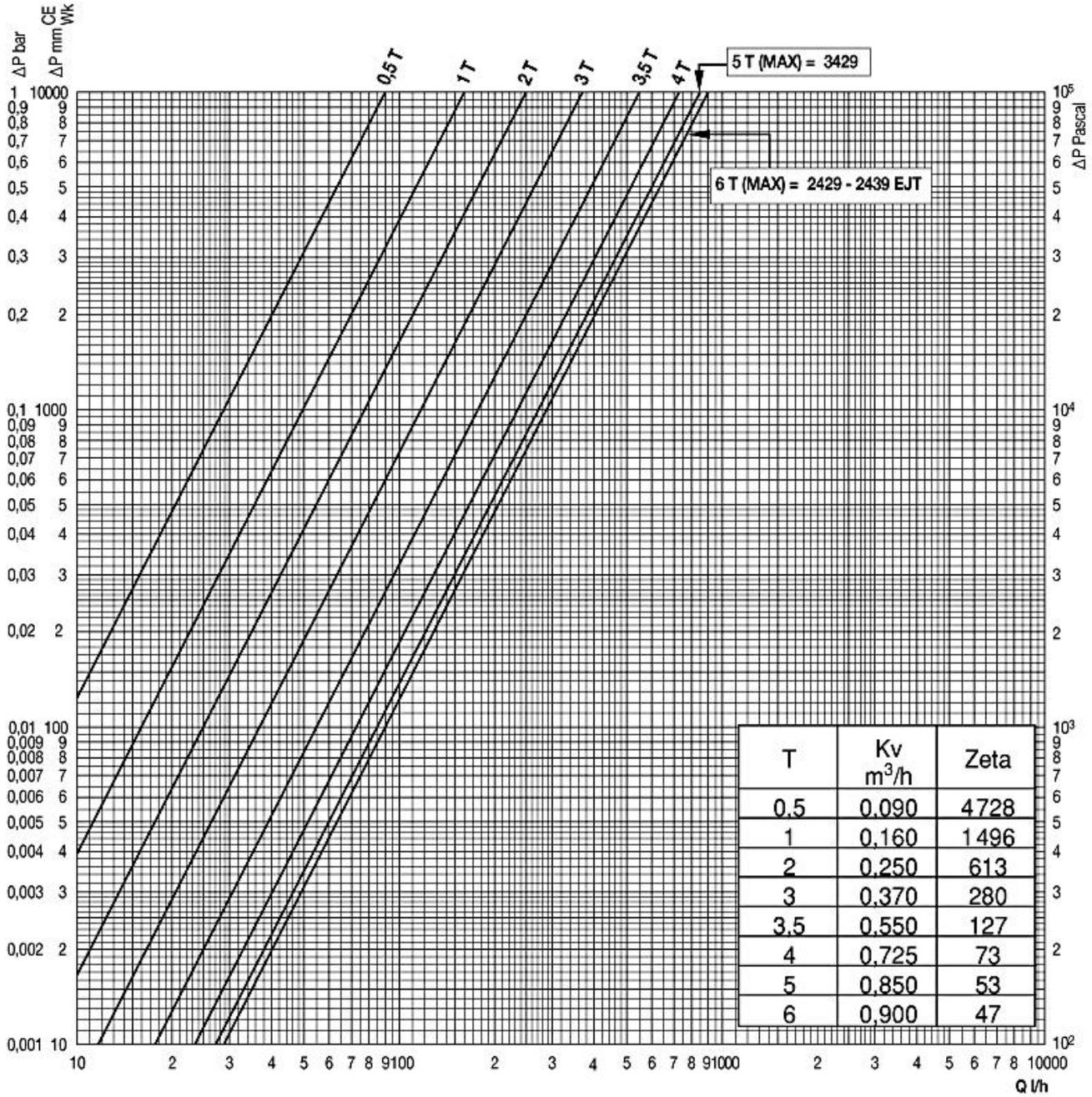
2428/3428 1/2"



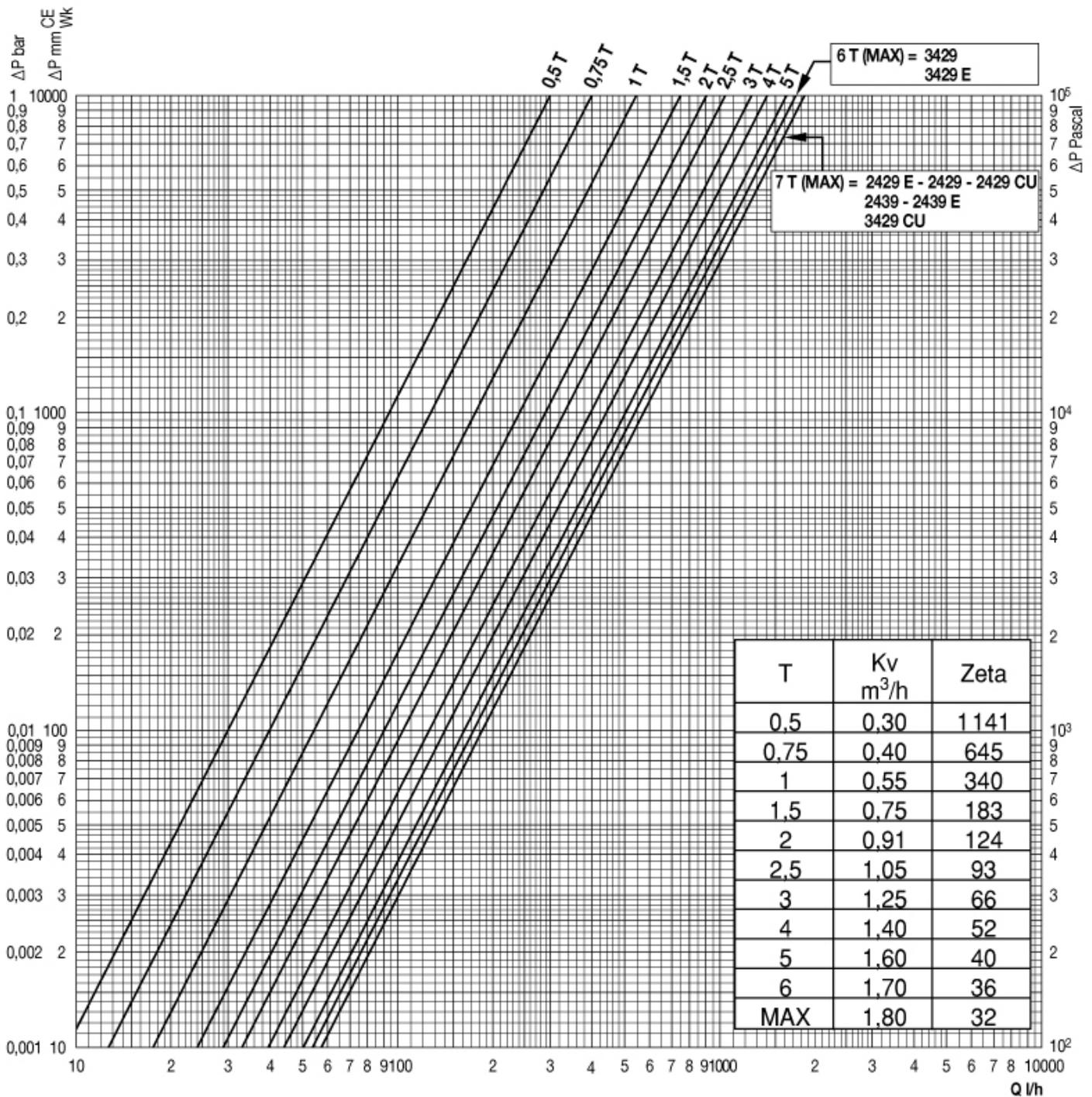
2428/3428 3/4"



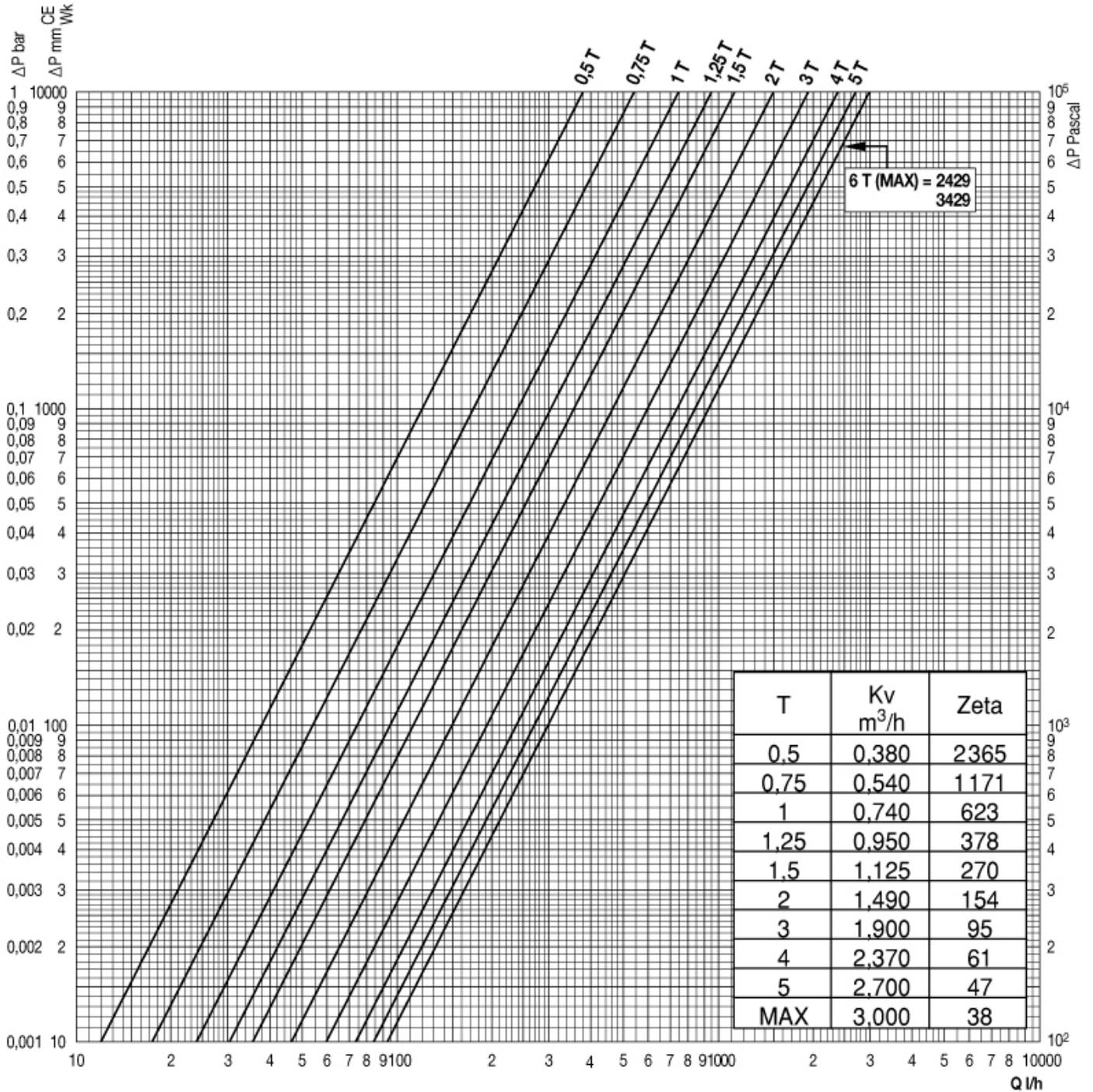
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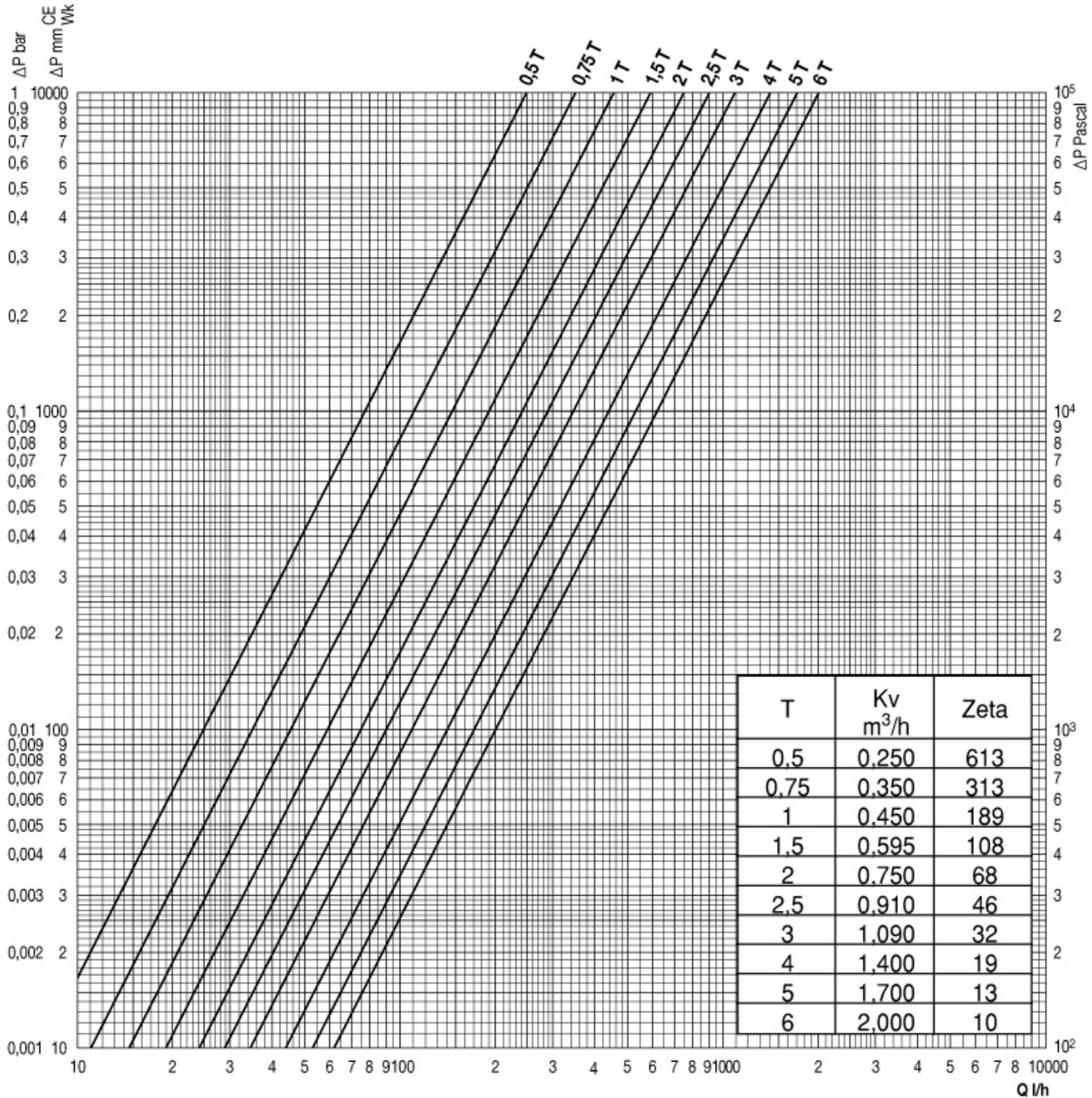
2429/3429 1/2"



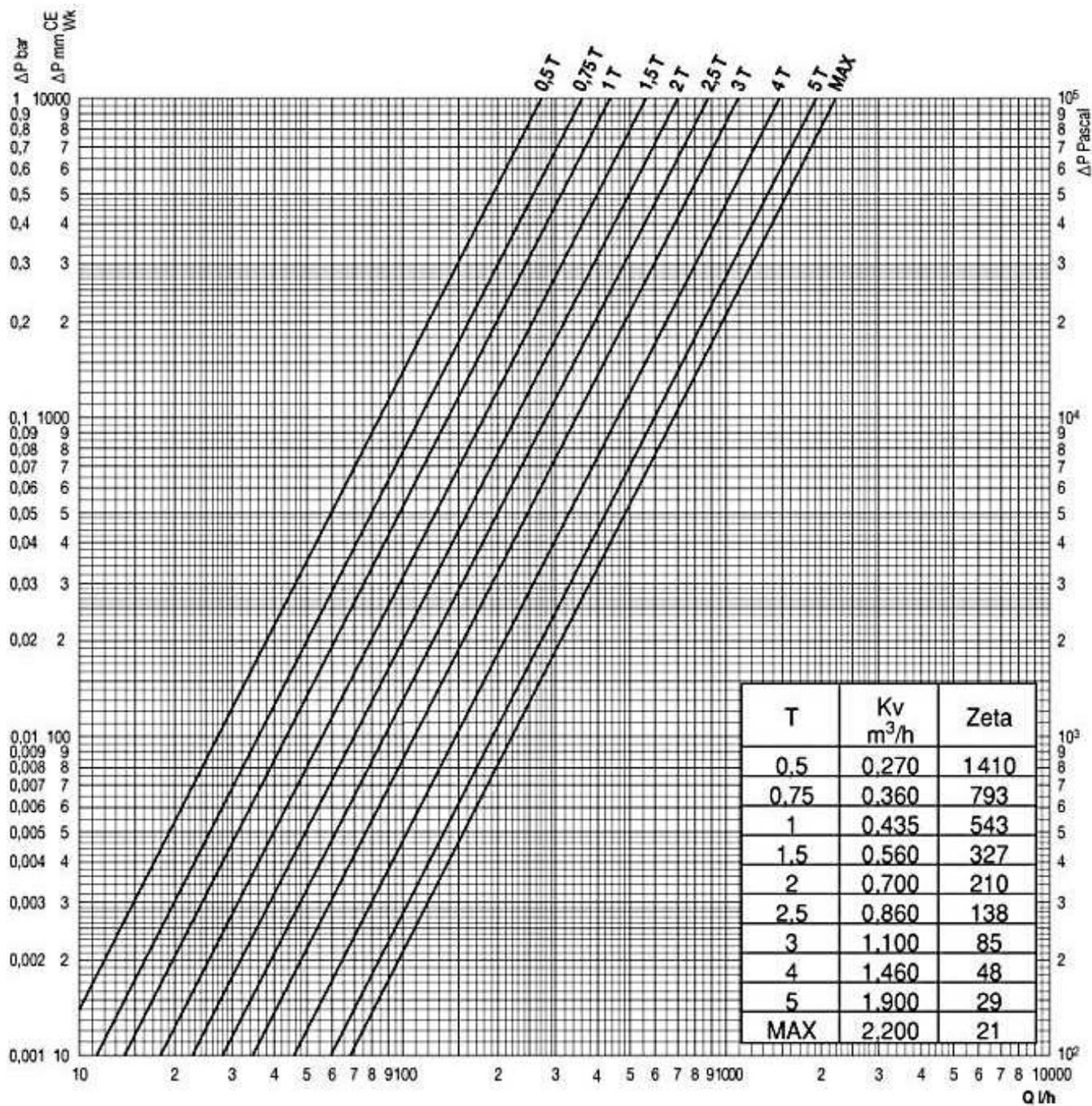
2429/3429 3/4"



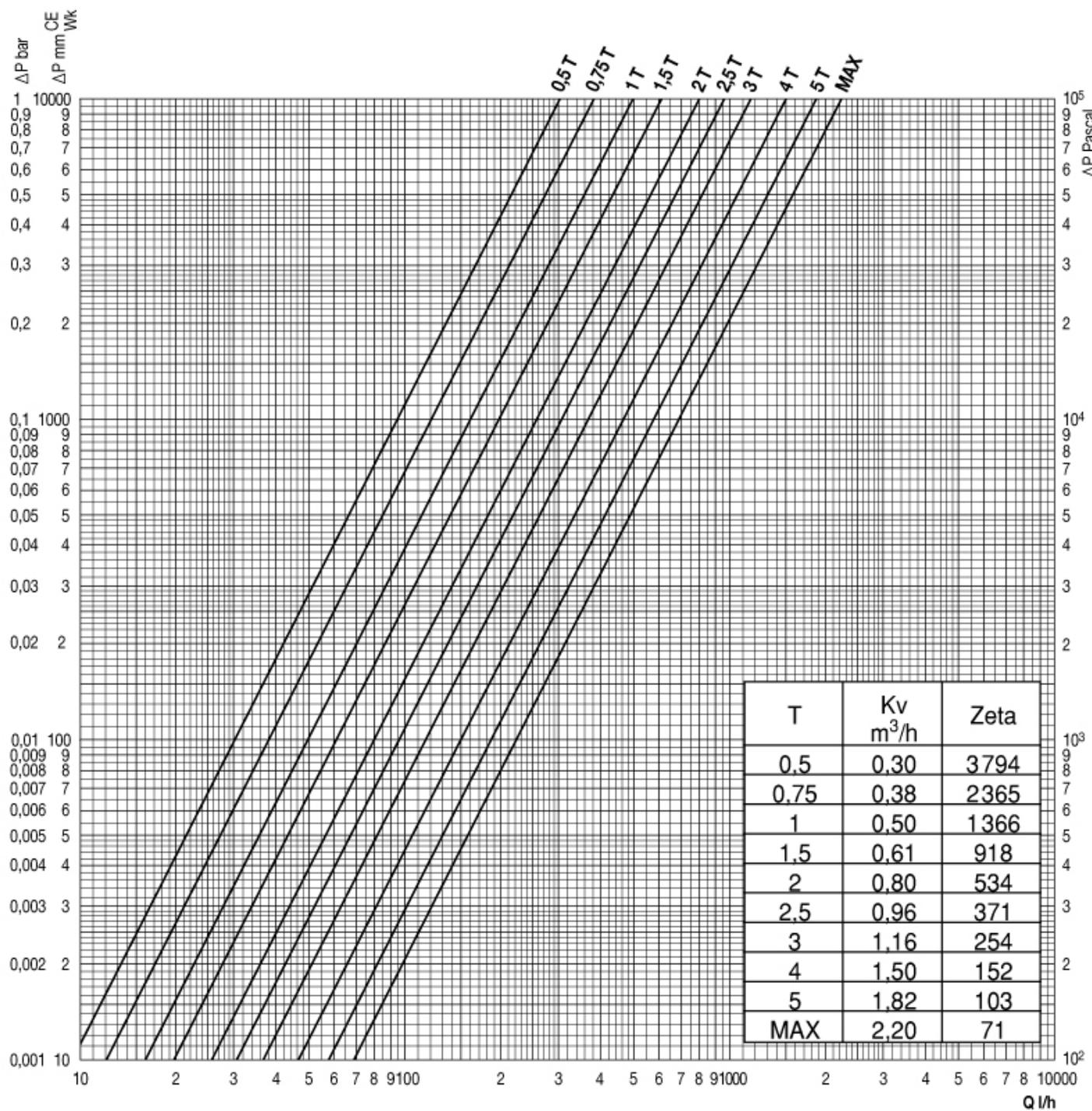
4468 3/8"



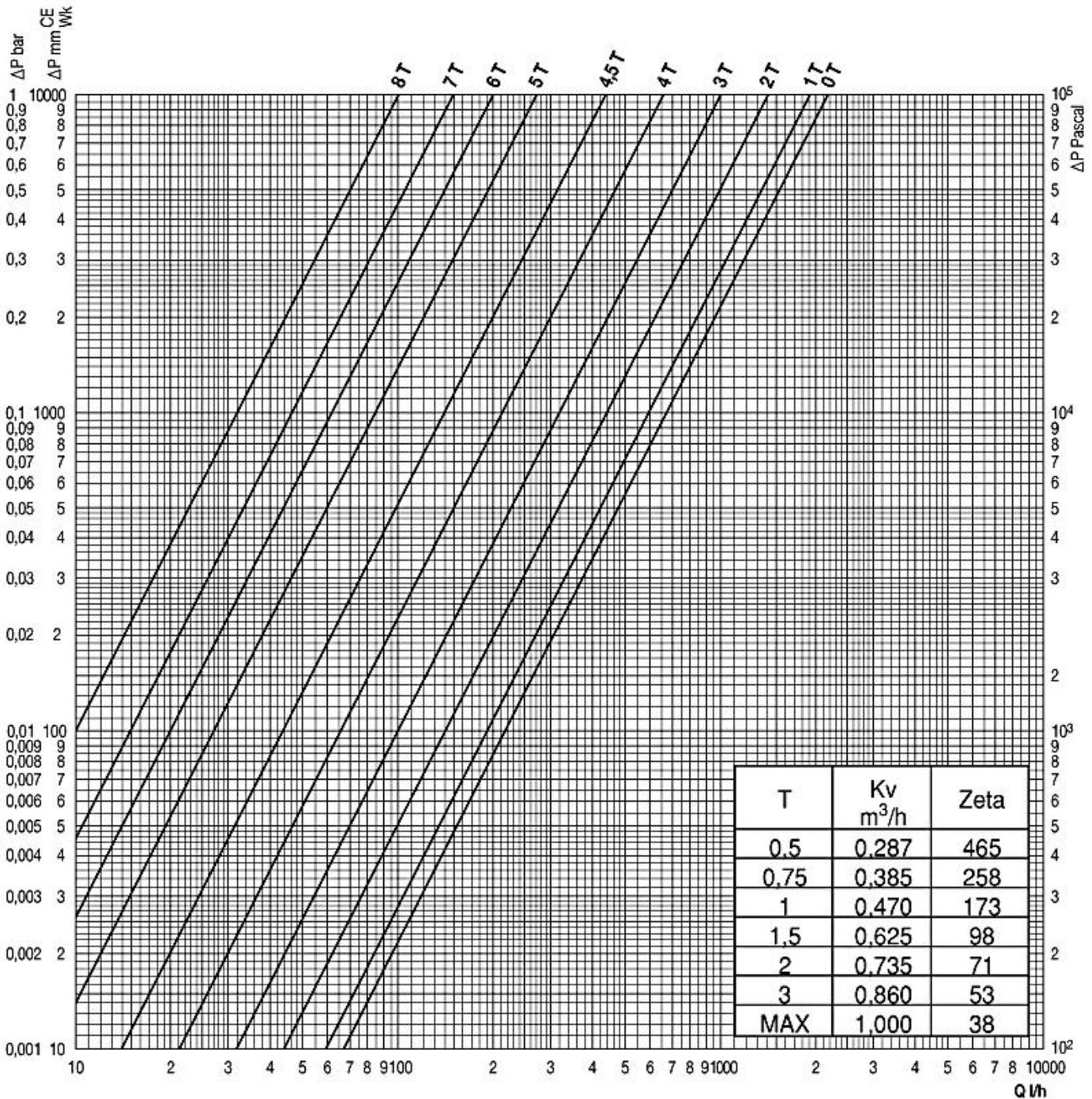
4468 1/2"



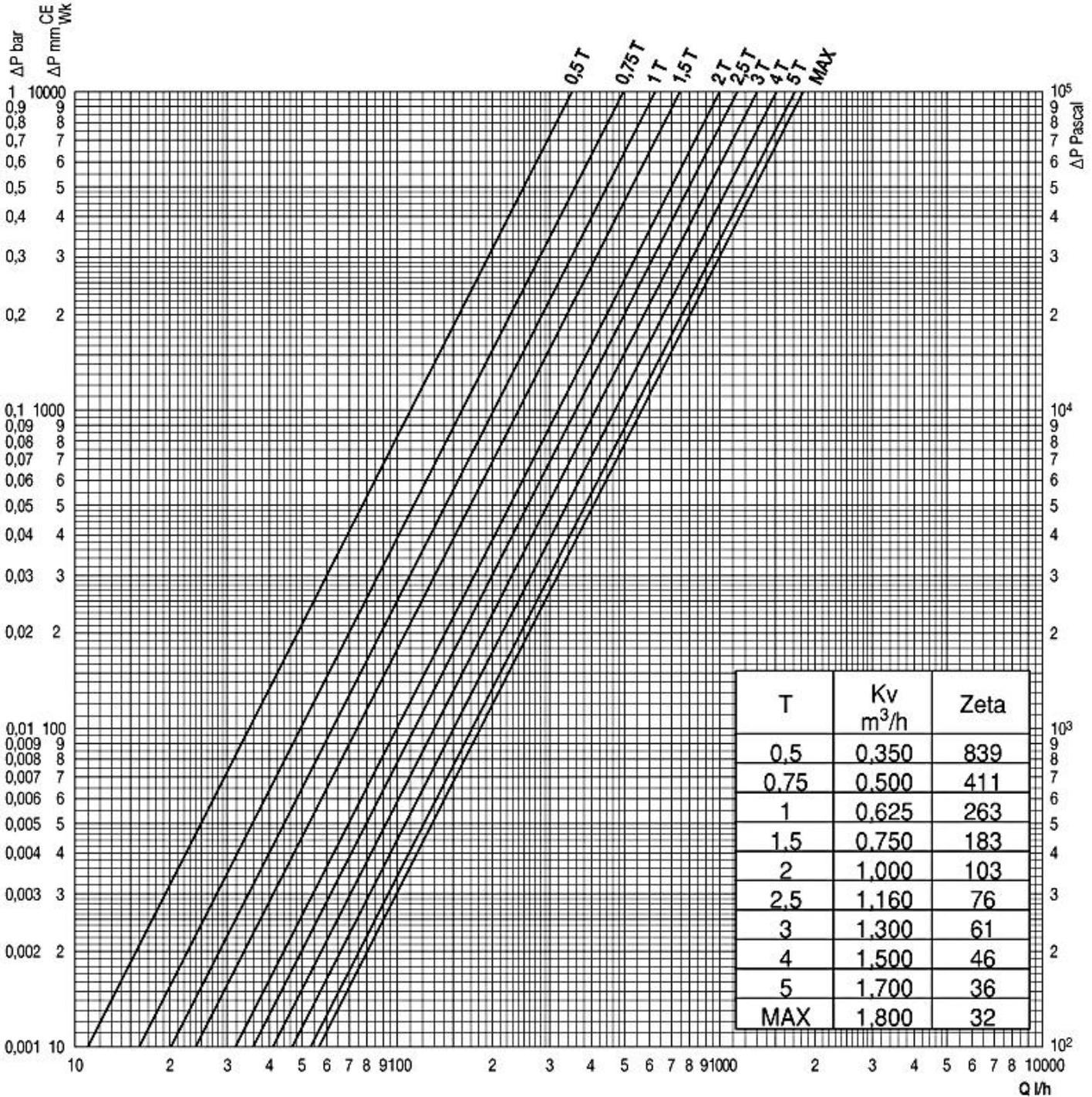
4468/4469 3/4"



4469 3/8"



4469 1/2"



Accessories

Photo	Designation	Code
	Drain-off tool 460C	560200
	Setting key 334	550334
	Plug for non drainable lockshields, 3/8" and 1/2" 460N	560143
	Plug for non drainable lockshields, 3/8" and 1/2"3/4" 460N	560106
	Plug for drainable lockshields, 3/8", 1/2" and 3/4" 461N	561103