

 **BALANCING VALVE zSTA**






Body material	Nominal pressure	Nominal diameter	Max. temperature
H Brass	D 25 bar	DN 15-50	120°C



**FEATURES**

- high tightness (leakproofness class - A acc. to EN – 12266-1)
- high reliability measurement of differential pressure at calibrated Venturi orifice Kvs
- ergonomic and non-rising handwheel with exact setting scale
- environment-friendly
- setting lock possibility

**APPLICATION**

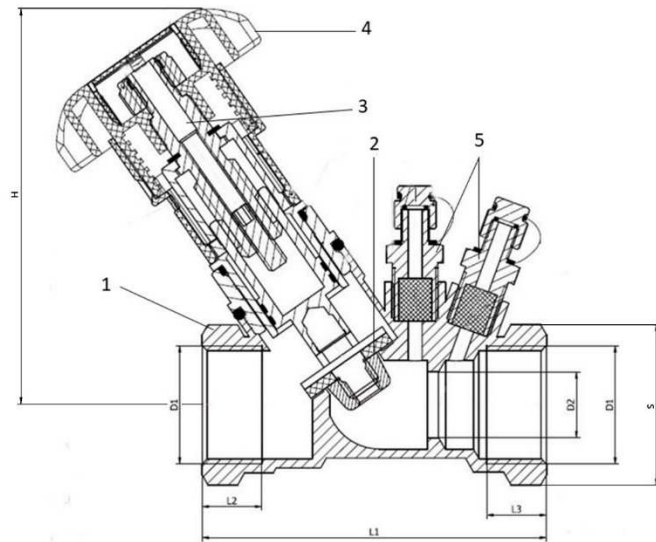
industries			
	HEATING	REFRIGERATION AND AIR CONDITIONING	
media			
	GLYCOL	INDUSTRIAL WATER	NEUTRAL FLUIDS

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FIG.221

MATERIALS, DIMENSIONS



	Body material	H
	Type	60
1	Body	CuZn36Pb2As
2	Disc	CuZn36Pb2As
3	Stem	CuZn36Pb2As
4	Handwheel	Poliamid
5	Pressure taps	CuZn36Pb2As + EPDM
<b>Max. temperature</b>		<b>120°C</b>

N	15	20	25	32	40	50
Body material	H					
L1 (mm)	77	82	97	115	129	152
H ((mm)	95	105	113	123	133	141
S (mm)	27	33	41	49	56	68
L2 (mm)	13,5	14	15	19	19	23,5
L3 (mm)	15	14,5	17	19	19	23,5
D1	G ½"	G ¾"	G 1"	G 1 ¼"	G 1 ½"	G 2"
D2 (mm)	8,5	14,5	18,5	24,5	31	38
Weight (kg)	0,41	0,45	0,70	1,02	1,32	1,81

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## FLOW MEASUREMENT

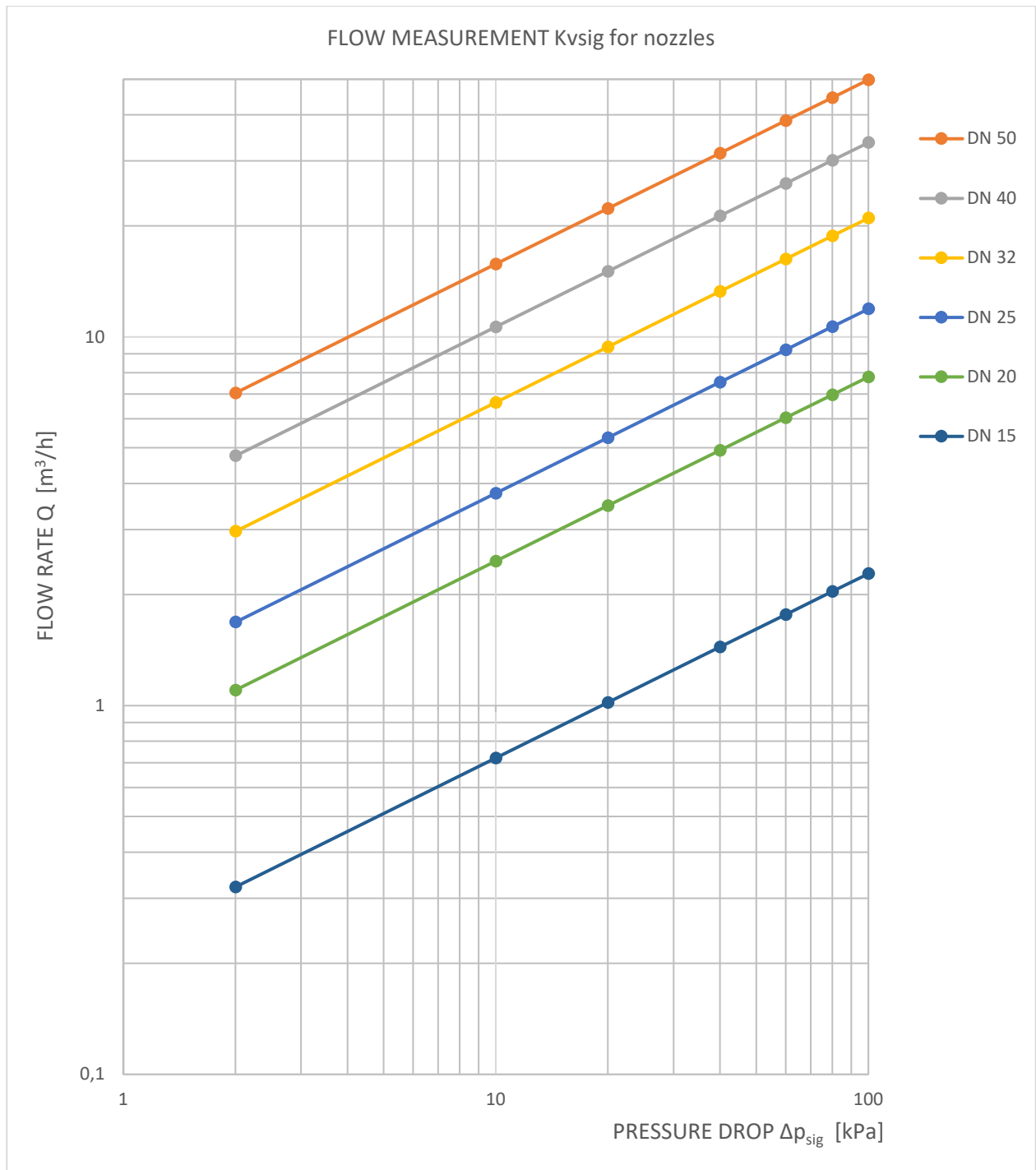
DN	15	20	25	32	40	50
SCALE	Kv [m <sup>3</sup> /h]					
0,5	1,00	2,71	2,48	4,52	5,13	7,07
0,6	1,05	2,88	2,65	4,92	5,66	7,59
0,7	1,11	3,05	2,83	5,31	6,18	8,11
0,8	1,16	3,21	3,00	5,71	6,71	8,63
0,9	1,22	3,38	3,18	6,10	7,23	9,15
1	1,27	3,55	3,35	6,50	7,76	9,67
1,1	1,30	3,62	4,46	6,74	8,07	10,01
1,2	1,33	3,68	3,57	6,99	8,38	10,35
1,3	1,37	3,75	3,69	7,23	8,70	10,69
1,4	1,40	3,81	3,80	7,48	9,01	11,03
1,5	1,43	3,88	3,91	7,72	9,32	11,37
1,6	1,46	3,93	4,00	7,89	9,58	11,69
1,7	1,50	3,98	4,09	8,06	9,84	12,01
1,8	1,53	4,02	4,17	8,24	10,10	12,34
1,9	1,57	4,07	4,26	8,41	10,36	12,66
2	1,60	4,12	4,35	8,52	10,62	12,98
2,1	1,63	4,16	4,44	8,75	10,90	13,30
2,2	1,66	4,20	4,53	8,92	11,18	13,62
2,3	1,70	4,25	4,62	9,10	11,45	13,93
2,4	1,73	4,29	4,71	9,27	11,73	14,25
2,5	1,76	4,33	4,80	9,44	12,01	14,57
2,6	1,81	4,37	4,92	9,61	12,36	14,91
2,7	1,86	4,41	5,04	9,79	12,70	15,26
2,8	1,90	4,45	5,16	9,96	13,05	15,60
2,9	1,95	4,49	5,28	10,14	13,39	15,95
3	2,00	4,53	5,40	10,31	13,74	16,29
3,1	2,04	4,57	5,55	10,47	14,03	16,68
3,2	2,09	4,62	5,71	10,62	14,32	17,08
3,3	2,13	4,66	5,86	10,78	14,60	17,47
3,4	2,18	4,71	6,02	10,93	14,89	17,87
3,5	2,22	4,75	6,17	11,09	15,18	18,26
3,6	2,24	4,79	6,30	11,34	15,45	18,68
3,7	2,27	4,83	6,42	11,58	15,72	19,09
3,8	2,29	4,86	6,55	11,83	15,99	19,51
3,9	2,32	4,90	6,67	12,07	16,26	19,92
4	2,34	4,94	6,80	13,32	16,53	20,34
K <sub>sig</sub>	2,28	7,79	11,91	21	33,66	49,81

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FIG.221

HYDRAULIC CHARACTERISTIC FOR NOZZLES

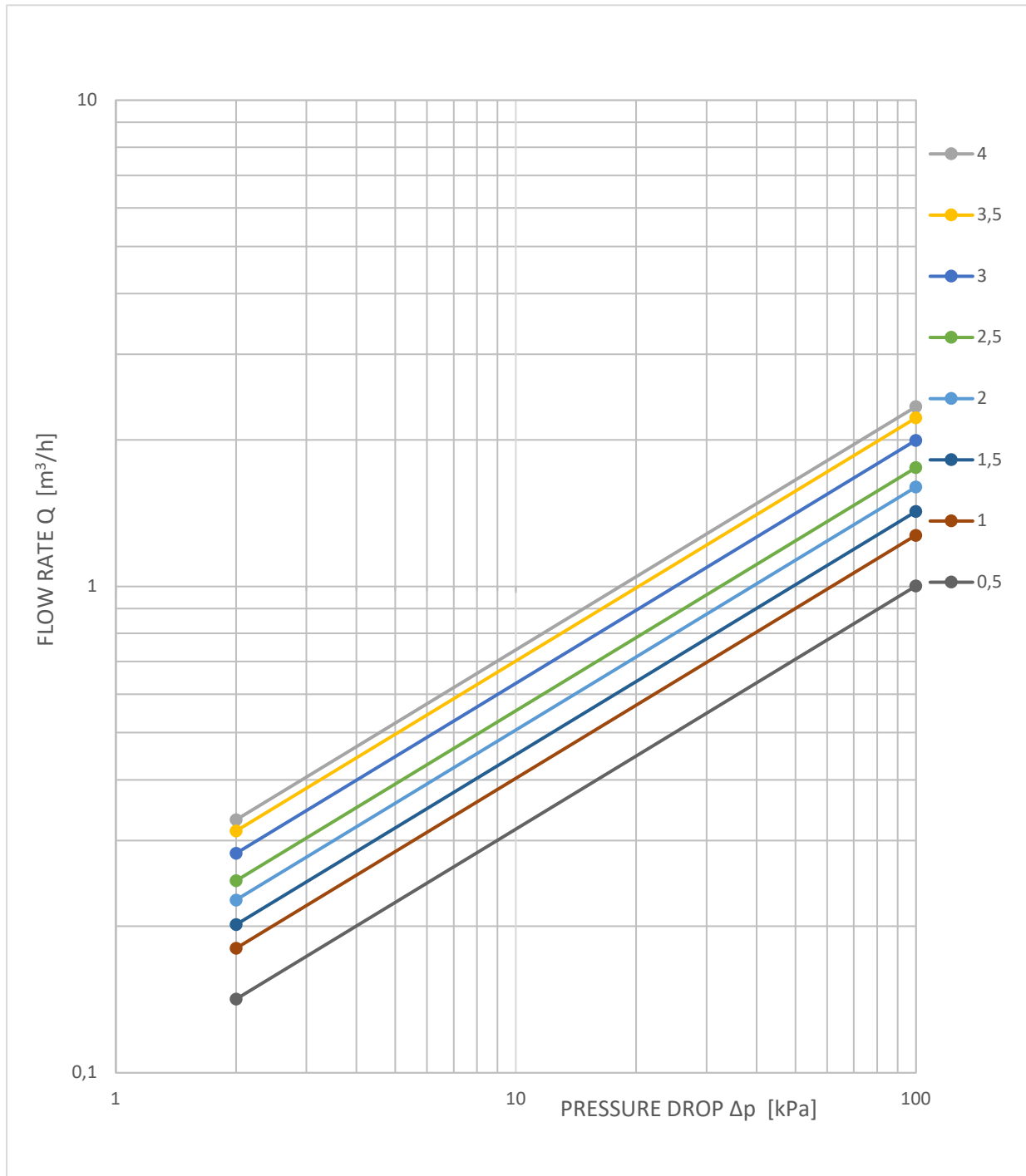


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FIG.221

HYDRAULIC CHARACTERISTIC DN 15

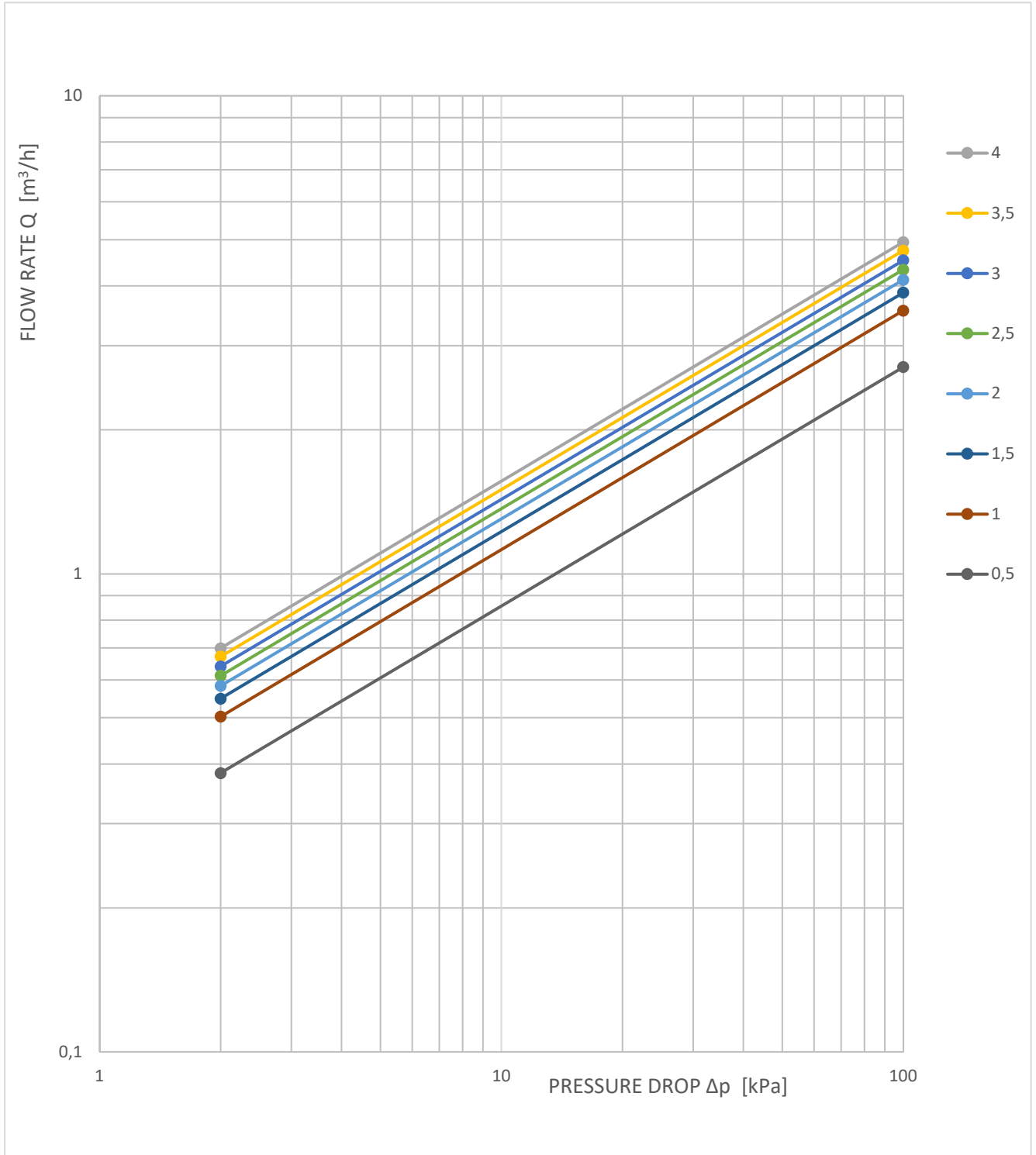


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FIG.221

HYDRAULIC CHARACTERISTIC DN 20

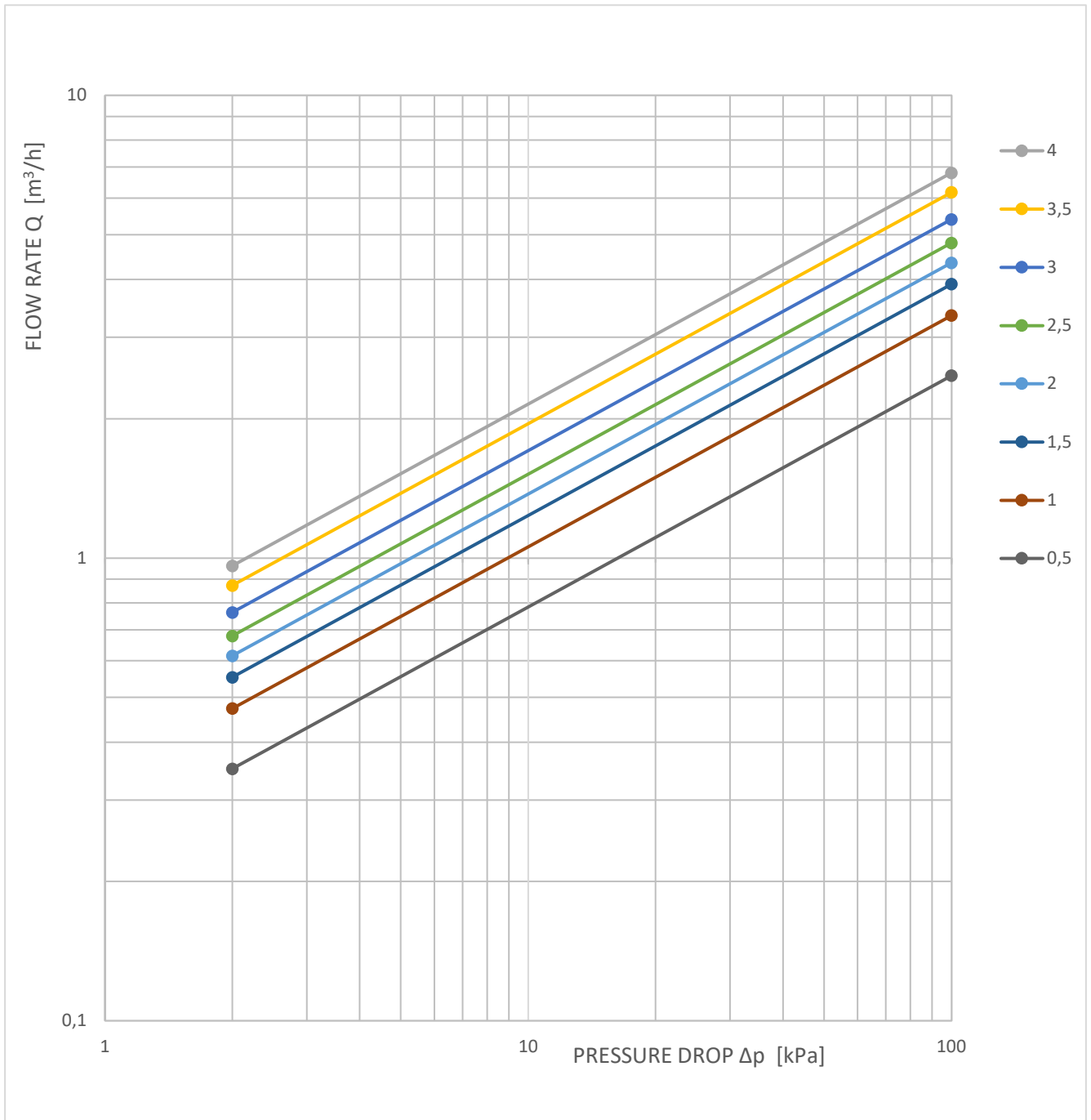


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FIG.221

HYDRAULIC CHARACTERISTIC DN 25

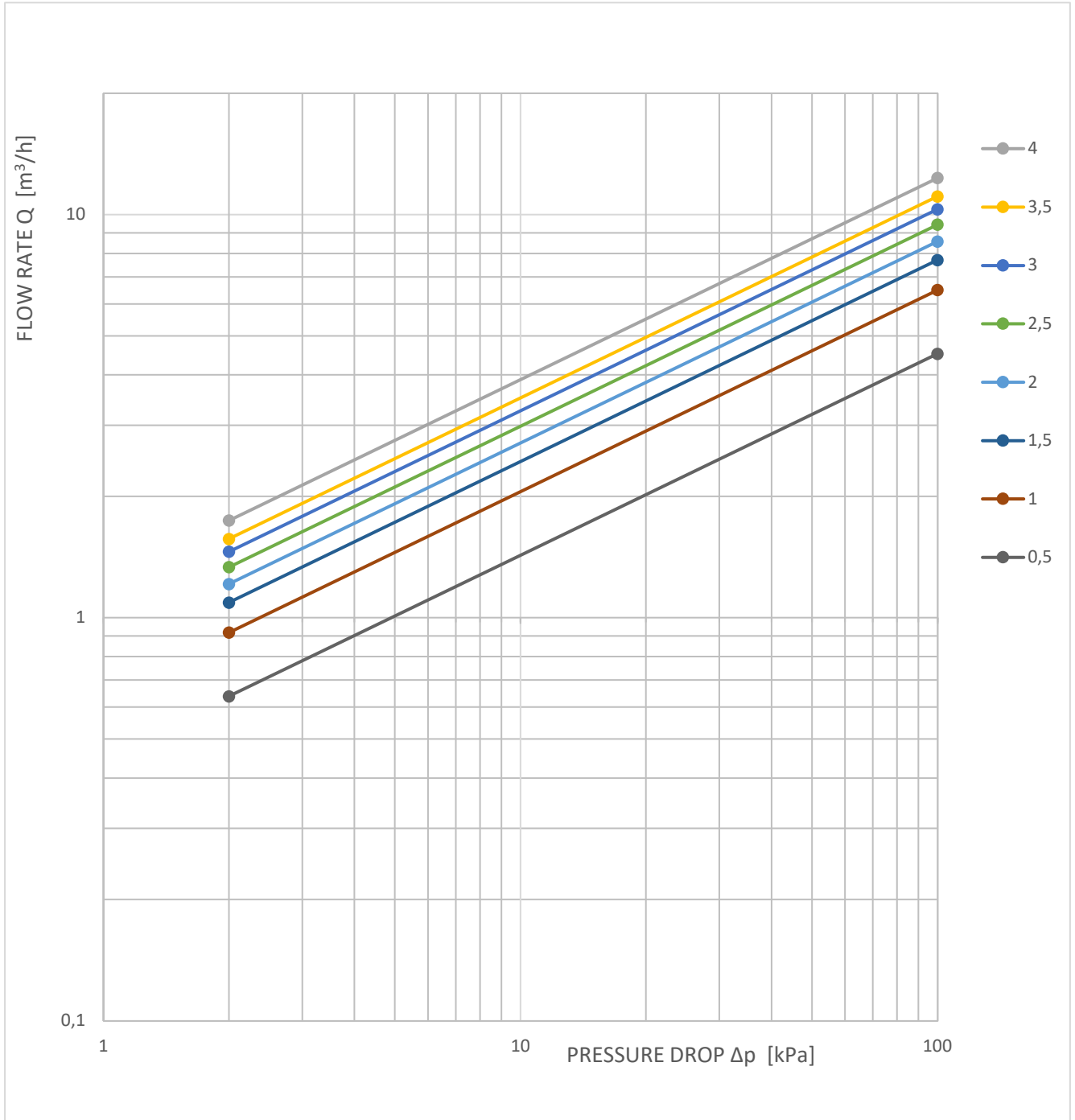


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FIG.221

CHARAKTERYSTYKA HYDRAULICZNA DN 32



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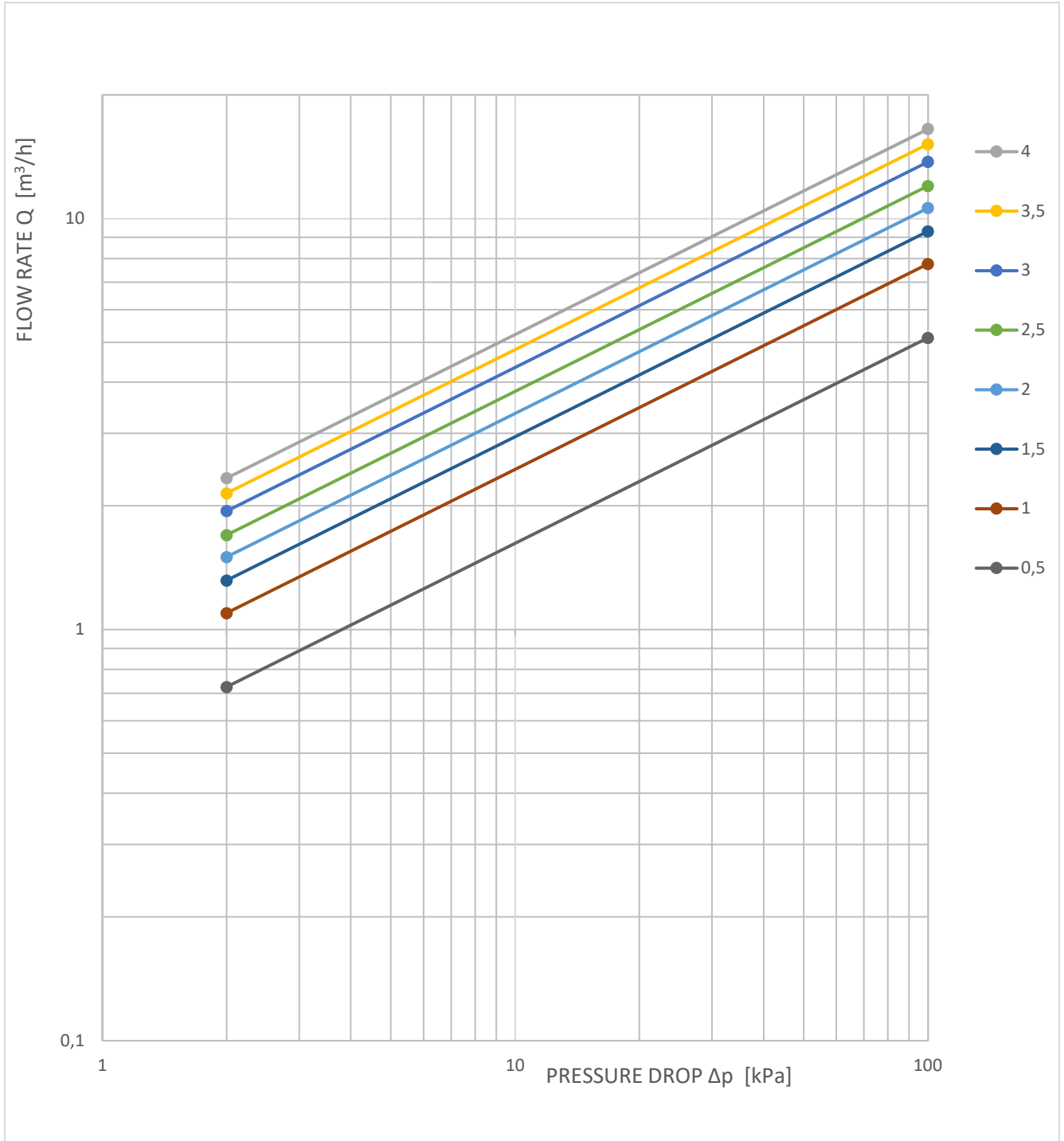
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FIG.221

CHARAKTERYSTYKA HYDRAULICZNA DN 40

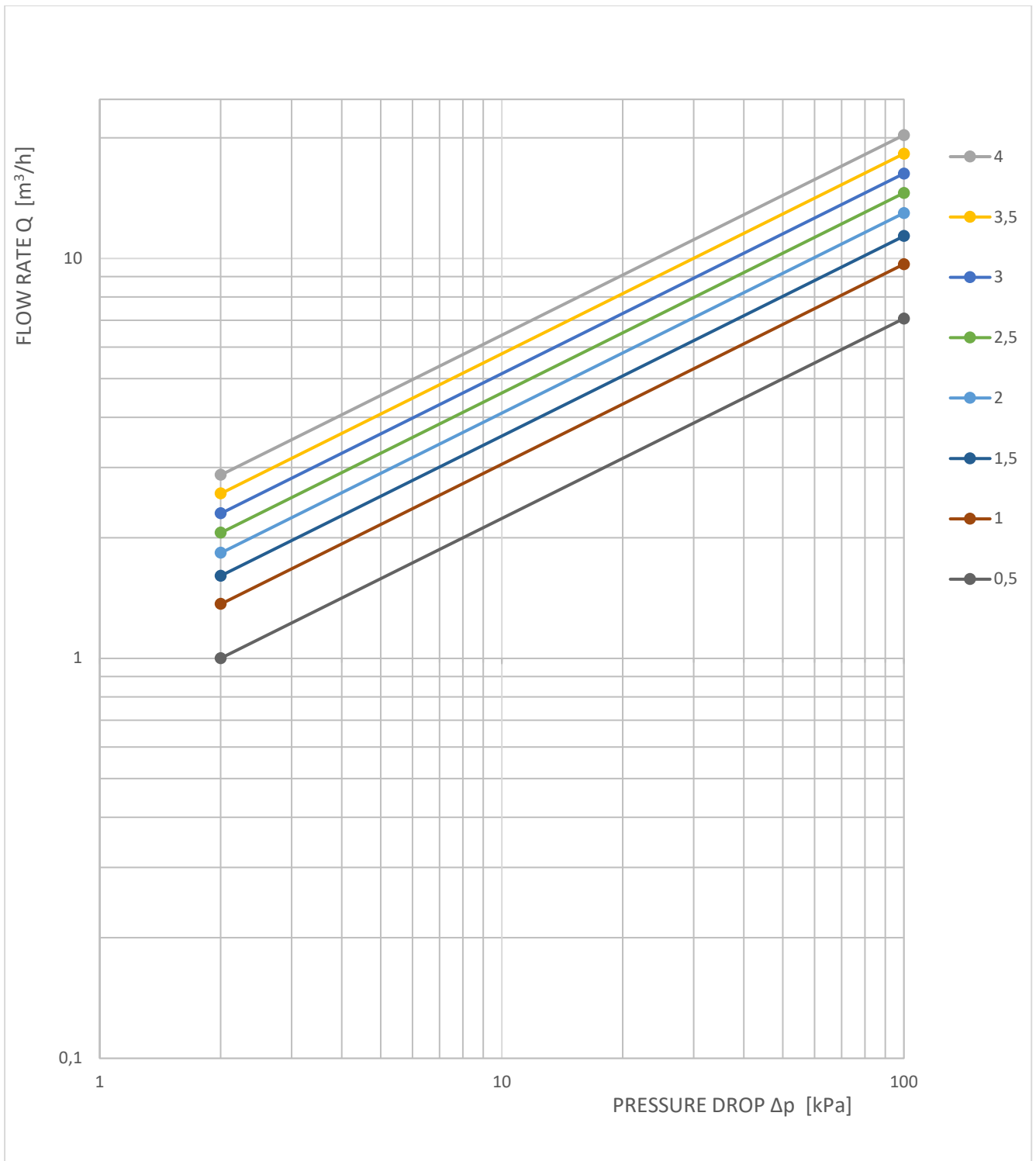


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FIG.221

CHARAKTERYSTYKA HYDRAULICZNA DN 50

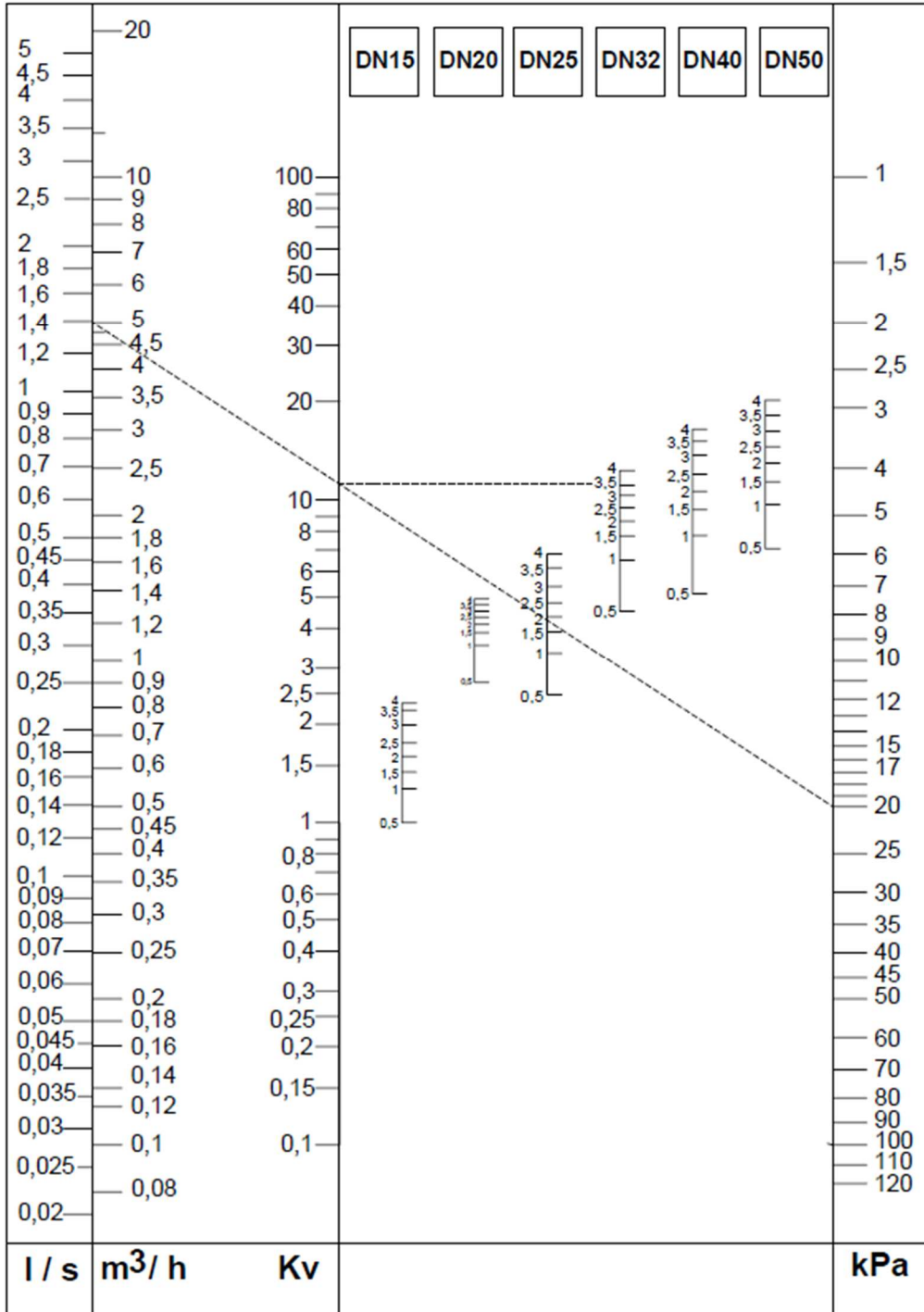


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FIG.221

SETTINGS



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**PRESSURE-TEMPERATURE RATINGS**

Series M4 Acc. to DIN 3202-4	PN		-10÷100°C	110°C	120°C
CuZn36Pb2As	25	bar	25		

**TYPE**

Figure	Body material	Nominal diameter	Nominal pressure	Type
221	H Brass CuZn36Pb2As	15-50 mm	D 25 bar	60 stem CuZn36Pb2As – adjustment disc CuZn36Pb2As, valve with opening indicator, closure: disc with PTFE ring

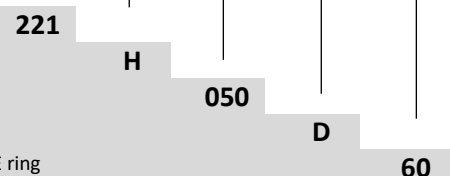
**ORDERING**

Figure	Body material	Nominal diameter	Nominal pressure	Type
221	H Brass CuZn36Pb2As	15-50 mm	D 25 bar	60 stem CuZn36Pb2As – adjustment disc CuZn36Pb2As, valve with opening indicator, closure: disc with PTFE ring

**Order example acc. index**

221 H 050 D 60

Balancing valves, ends threaded, Y-type  
 Brass CuZn36Pb2As  
 Nominal diameter (mm)  
 Nominal pressure PN 25  
 Stem CuZn36Pb2As – adjustment disc CuZn36Pb2As, valve with opening indicator, closure: disc with PTFE ring



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