

FIG.221



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



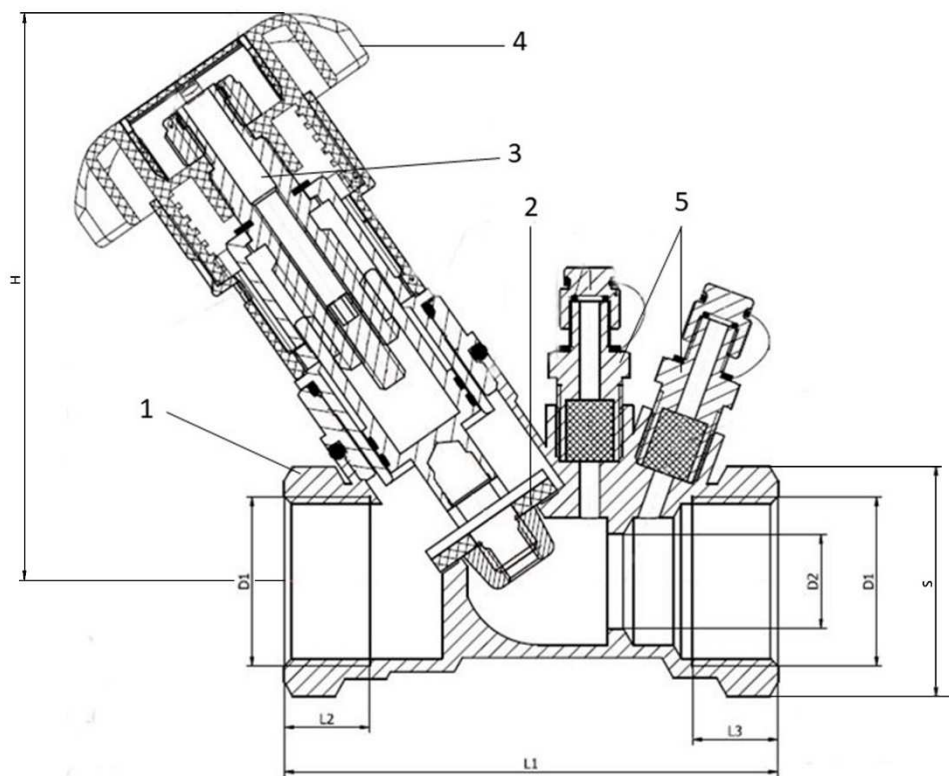
NEUTRAL
FLUIDS

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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
Max. temperature		120°C

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FIG.221

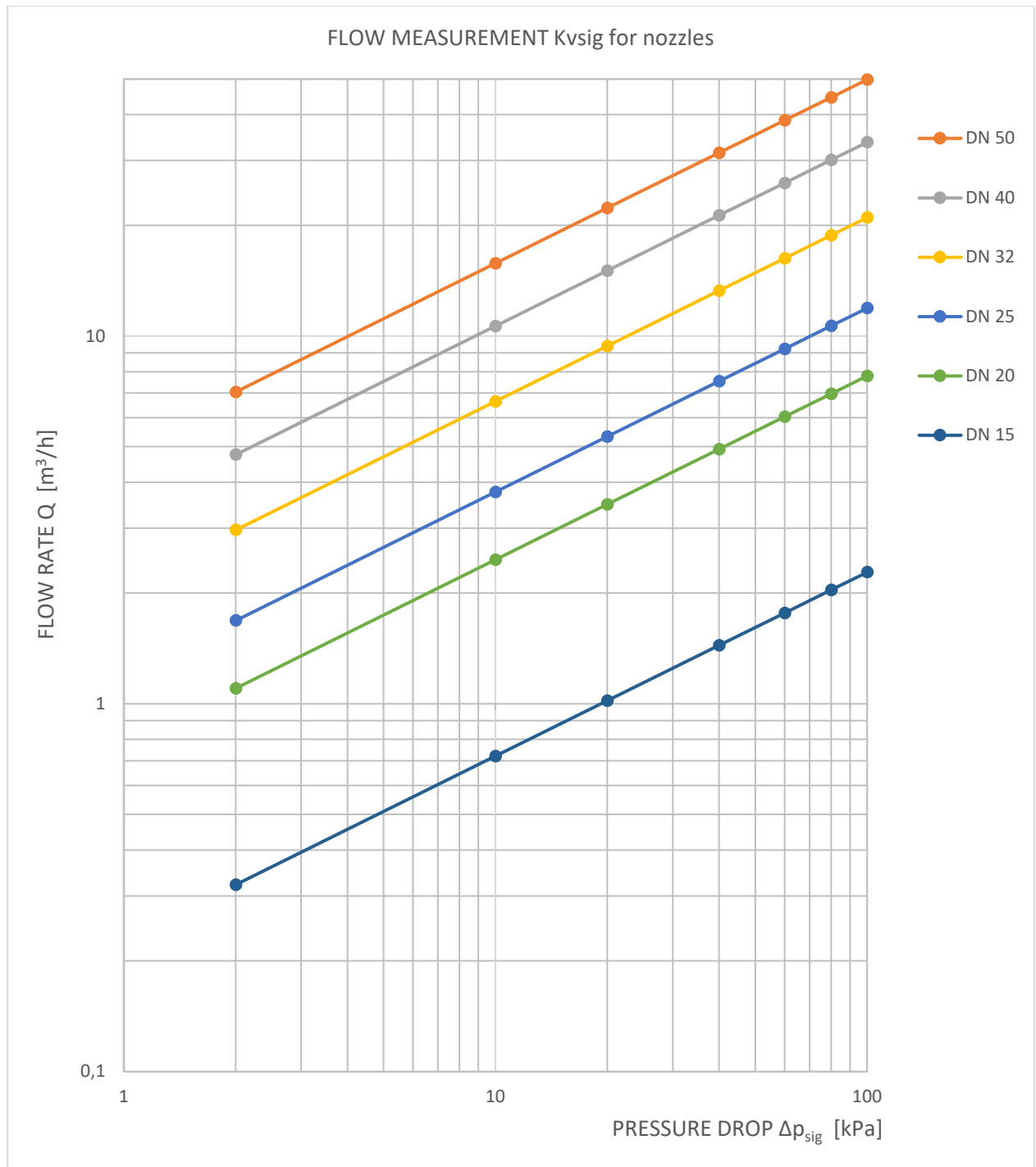
DN	15	20	25	32	40	50
Body material	H					
L1 (mm)	77	82	97	115	129	152
H (mm)	95	105	113	123	133	141
S (mm)	27	33	41	49	56	68
L2 (mm)	13,5	14	15	19	19	23,5
L3 (mm)	15	14,5	17	19	19	23,5
D1	G ½"	G ¾"	G 1"	G 1 ¼"	G 1 ½"	G 2"
D2 (mm)	8,5	14,5	18,5	24,5	31	38
Weight (kg)	0,41	0,45	0,70	1,02	1,32	1,81

FLOW MEASUREMENT

DN	15	20	25	32	40	50
Scale	Kv [m³/h]					
0,5	1,00	2,71	2,48	4,52	5,13	7,07
1,0	1,27	3,55	3,35	6,50	7,76	9,67
1,5	1,43	3,88	3,91	7,72	9,32	11,37
2,0	1,60	4,12	4,35	8,58	10,62	12,98
2,5	1,76	4,33	4,80	9,44	12,01	14,57
3,0	2,00	4,53	5,40	10,31	13,74	16,29
3,5	2,22	4,75	6,17	11,09	15,18	18,26
4,0	2,34	4,94	6,80	12,32	16,53	20,34
K _{sig}	2,28	7,79	11,91	21	33,66	49,81

FIG.221

HYDRAULIC CHARACTERISTIC FOR NOZZLES



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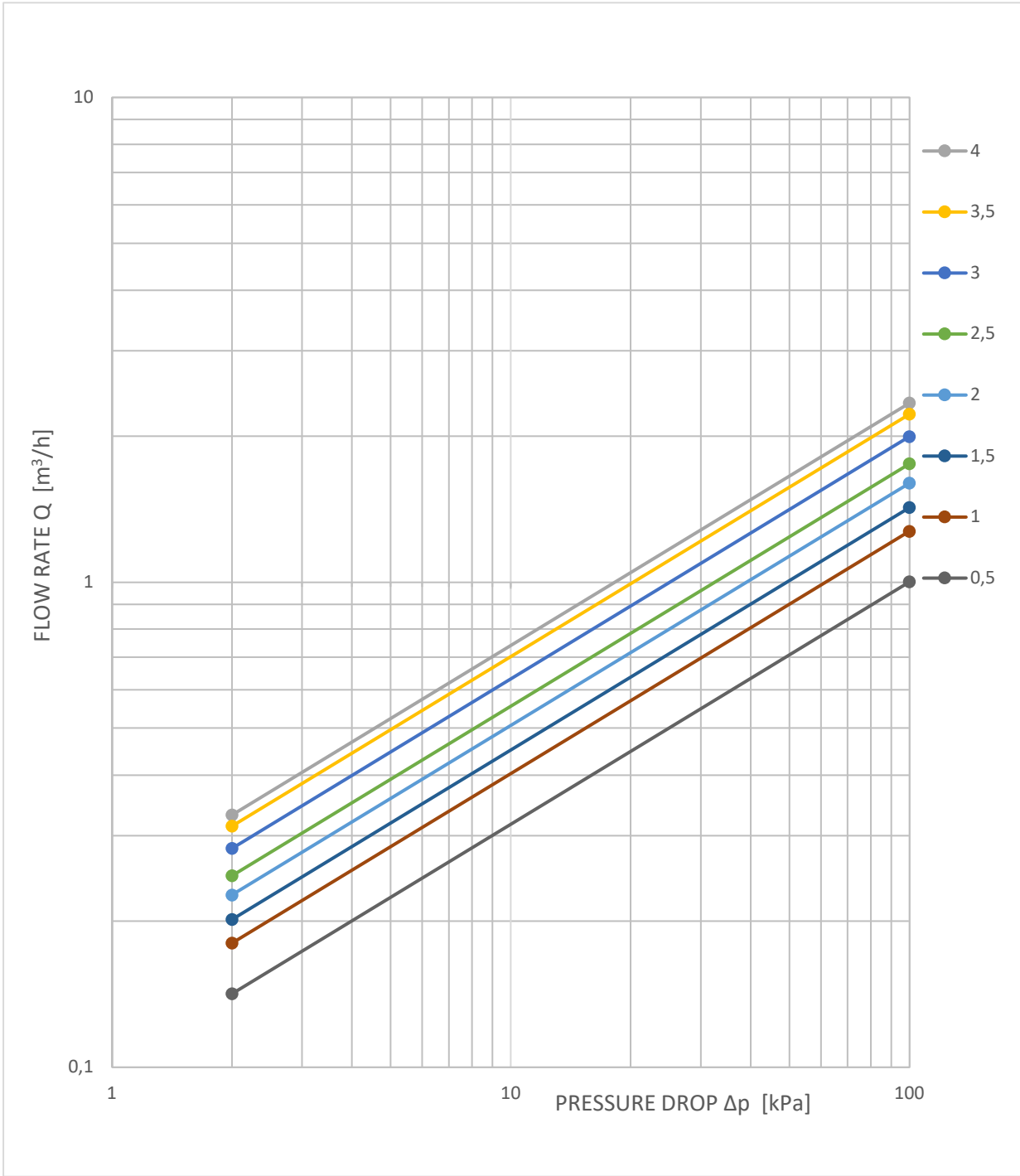
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FIG.221

HYDRAULIC CHARACTERISTIC DN 15

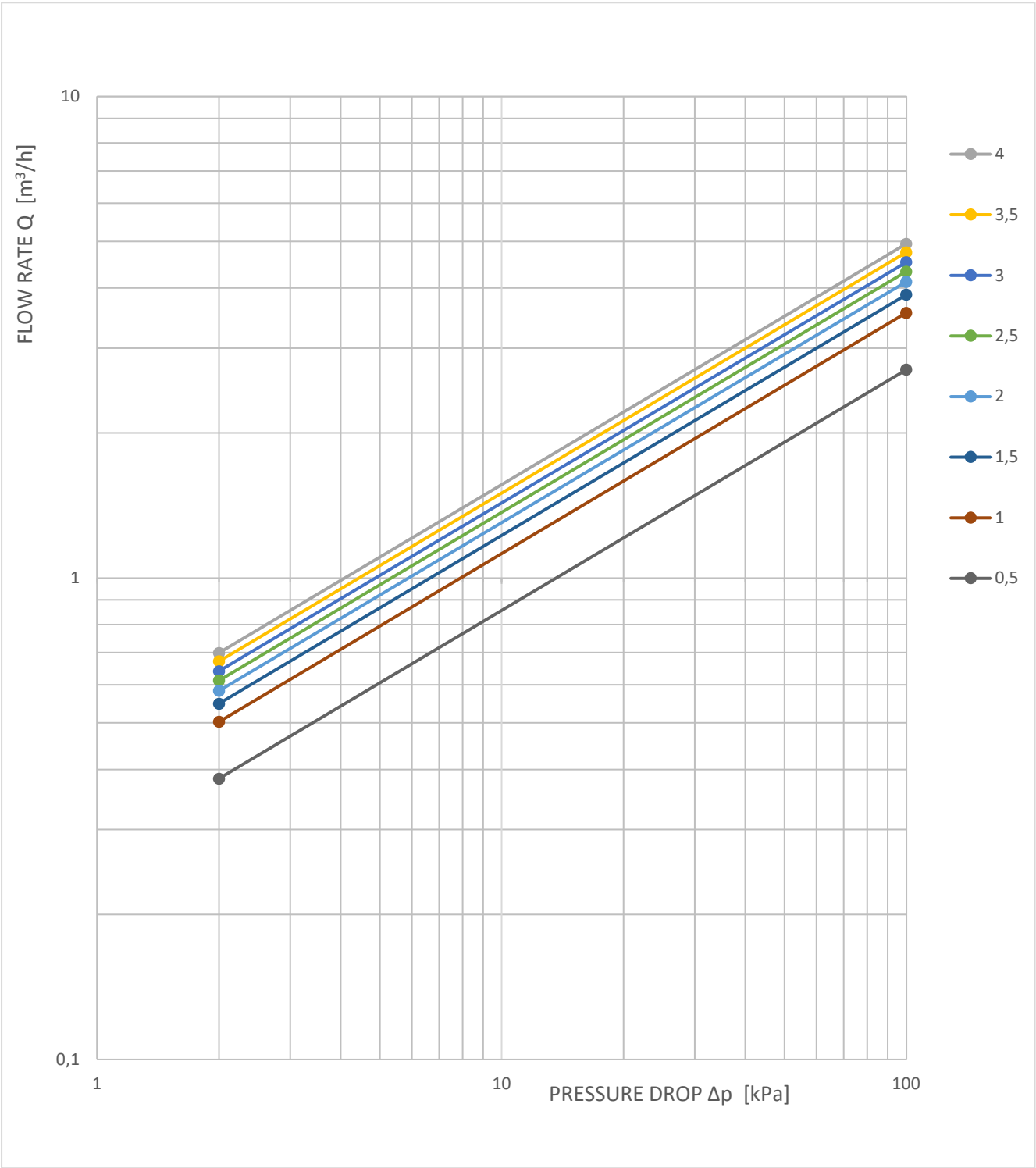


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FIG.221

HYDRAULIC CHARACTERISTIC DN 20

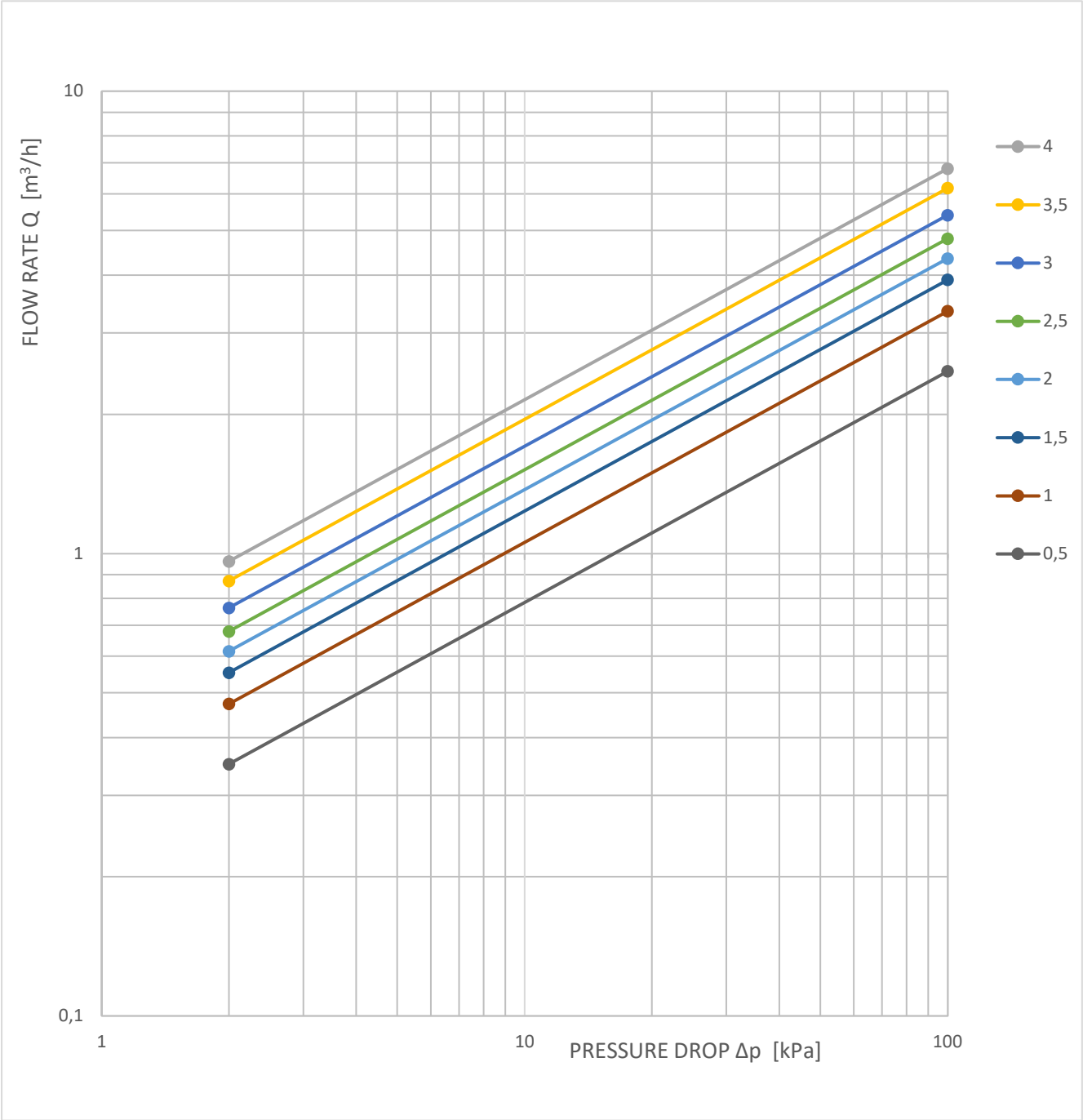


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FIG.221

HYDRAULIC CHARACTERISTIC DN 25

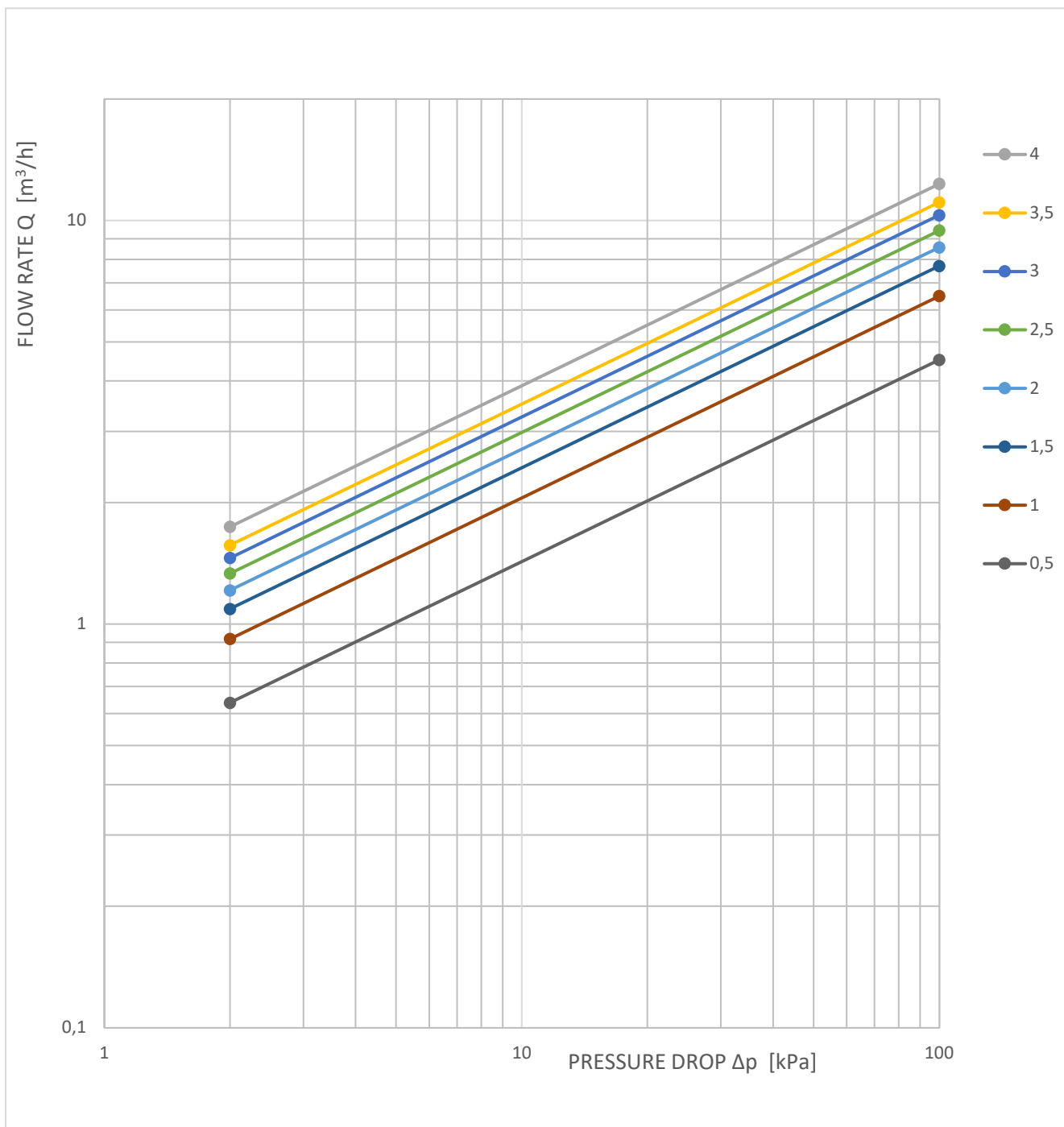


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FIG.221

CHARAKTERYSTYKA HYDRAULICZNA DN 32



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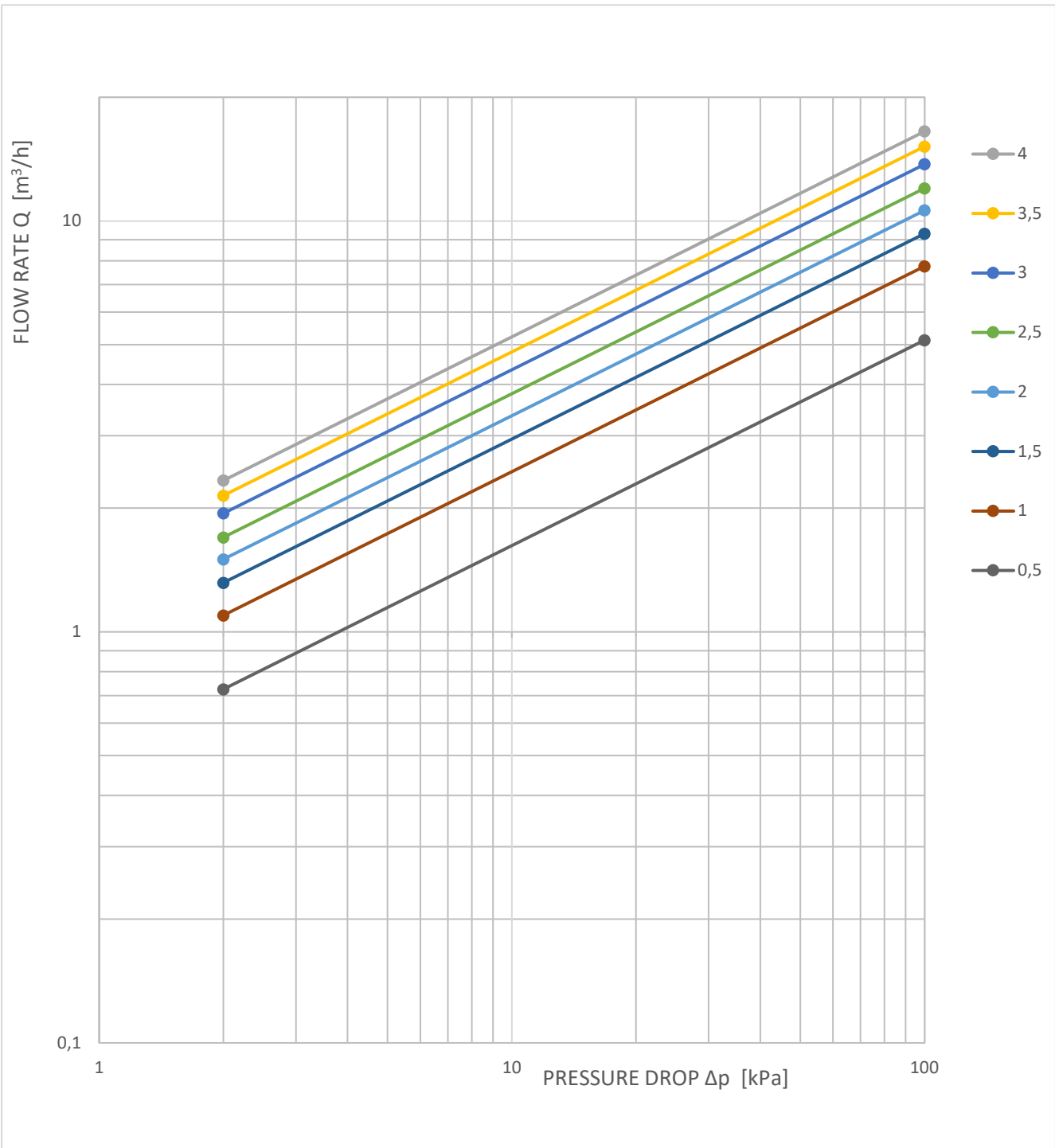
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CHARAKTERYSTYKA HYDRAULICZNA DN 40

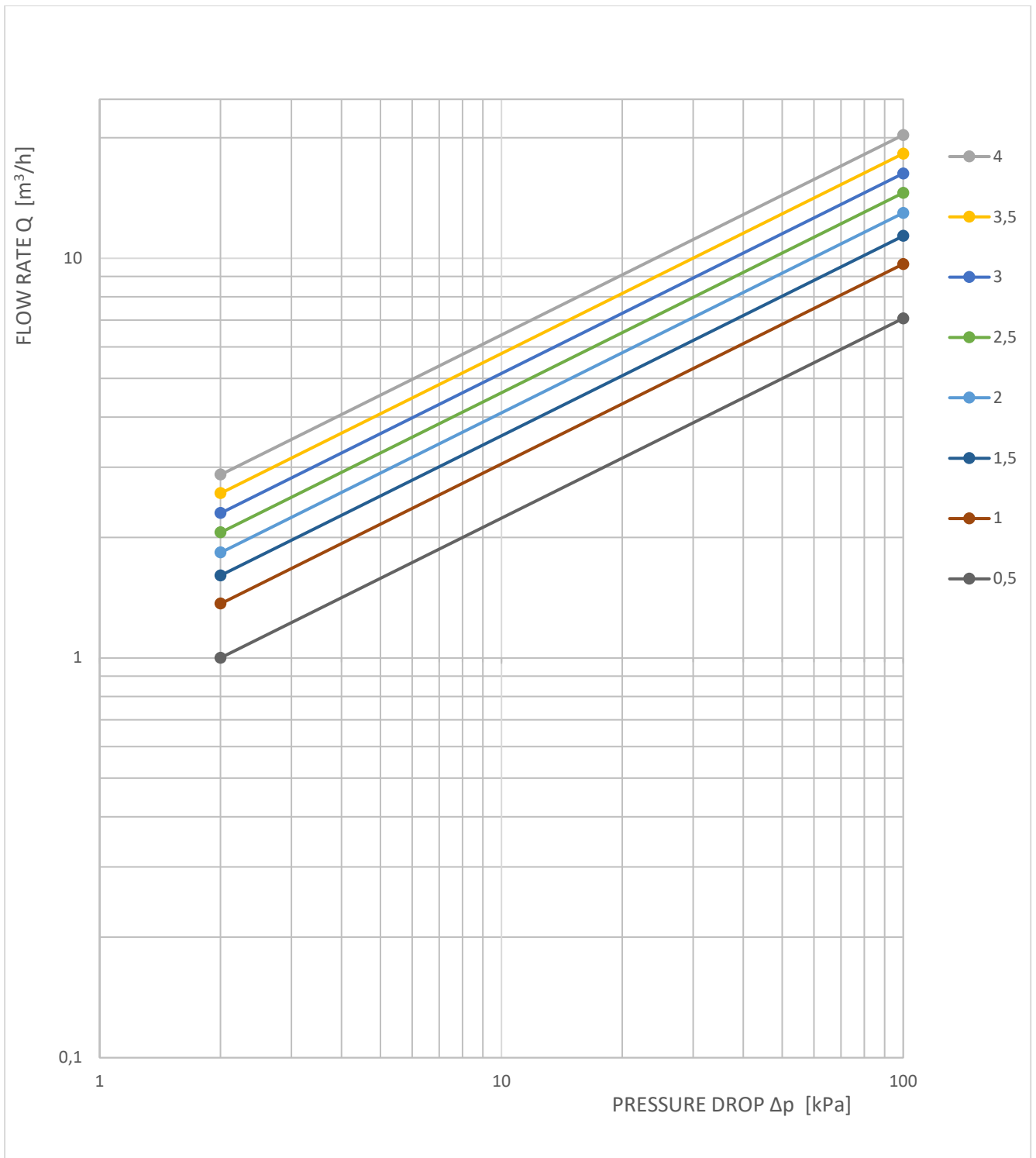


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FIG.221

CHARAKTERYSTYKA HYDRAULICZNA DN 50



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FIG.221

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

221 H 050 D 60

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