

 **CONTROL VALVE zCON**



Body material	Nominal pressure	Nominal diameter	Max. temperature
<b>A</b> Grey cast iron	<b>C</b> 16 bar	DN <b>15-80</b>	200°C



correspond to the pressure equipment directive 2014/68/UE marking CE for DN≥32

**FEATURES**

- compact settlement
- environment-friendly
- easy to handle
- precision spindle guide
- flow characteristic - equal percentage
- positioning ratio 50:1
- flanges drilled according to EN 1092-1 for body material F
- face-to-face dimension according to EN 558-1 series 1

**APPLICATION**

industries



HEATING



REFRIGERATION  
AND AIR  
CONDITIONING

media



INDUSTRIAL  
WATER



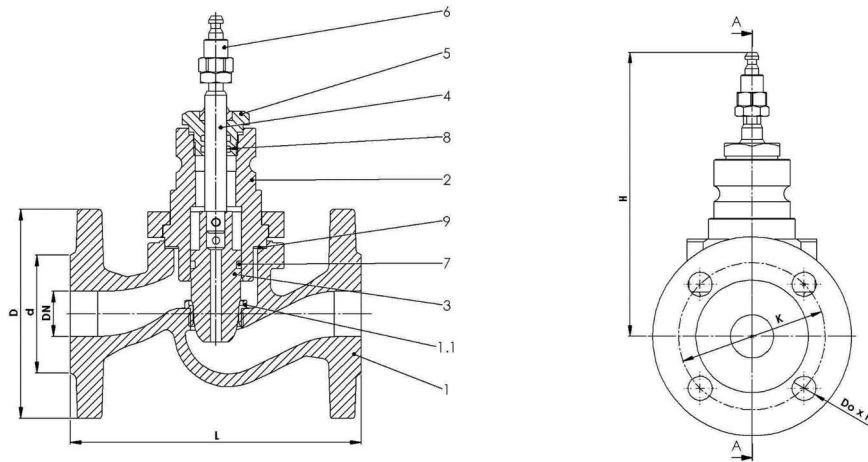
NEUTRAL  
FLUIDS

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FIG.227

**MATERIALS, DIMENSIONS**



	Body material	A	
	Type	80	81
1	Body	EN – GJL-250 5.1301 (ex. JL1040)	
1.1	Seat ring	X20Cr13 1.4021	
2	Bonnet	X20Cr13 1.4021	
3	Disc	X20Cr13 1.4021	
4	Stem	X20Cr13 1.4021	
5	Bonnet nut	CuZn40Pb2	X20Cr13 1.4021
6	Fastener	CuZn40Pb2	
7	Disc gasket	EPDM	Turcon T40
8	Stem gasket	EPDM	Turcon T40
9	Bonnet gasket	Graphite + NiCr	
10	Electric motor	Belimo, Regada	
<b>Max. temperature</b>		<b>150</b>	<b>200</b>

DN	15	20	25	32	40	50	65	80
L (mm)	130	150	160	180	200	230	290	310
H (mm)	158	161	164	173	182	190	212	224
D (mm)	95	105	115	140	150	165	185	200
d (mm)	46	56	65	76	84	99	118	132
K (mm)	65	75	85	100	110	125	145	160
Do x n	4x14	4x14	4x14	4x19	4x19	4x19	4x19	8x19
Kvs (m³/h)	4,6	7,0	11,8	15,7	23,2	40	50	80
Weight (kg)	4,3	4,9	5,8	7,6	11	13,2	18,3	24,6

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**PRESSURE-TEMPERATURE RATINGS**

Acc. EN 1092-2	PN		-10÷120	150	180	200
EN-GJL-250	16	bar	16	14,4	13,4	12,8

**ACTUATORS**

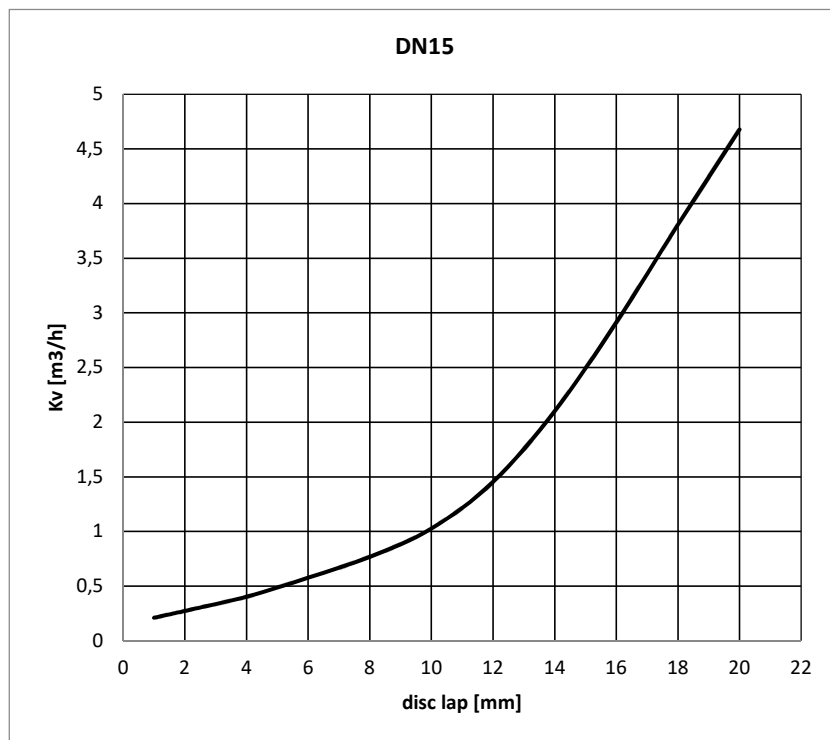
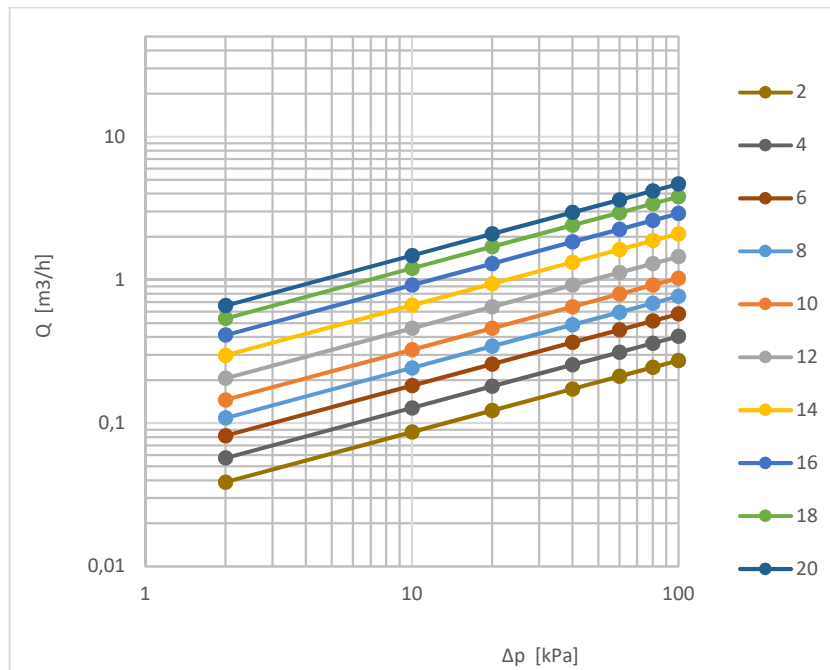
ACTUATOR/ TECHNICAL DATA	Belimo NV24-3 (Nv 230-3)	Regada on-off type STO 490.0-0HEAX/00
motor voltage	24C; 230V; F=50...60Hz	230V AC
nominal force	800N	1600N
time	150s	60s
travel	20mm+1mm	20mm+1mm
power input	3W (6W)	2,75W
protection	IP 54	IP 54
ambient temperature	0...+50°C	0...+50°C
manual adjustment	yes	yes
weight	1,5kg	-

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FIG.227

HYDRAULIC CHARACTERISTICS DN 15

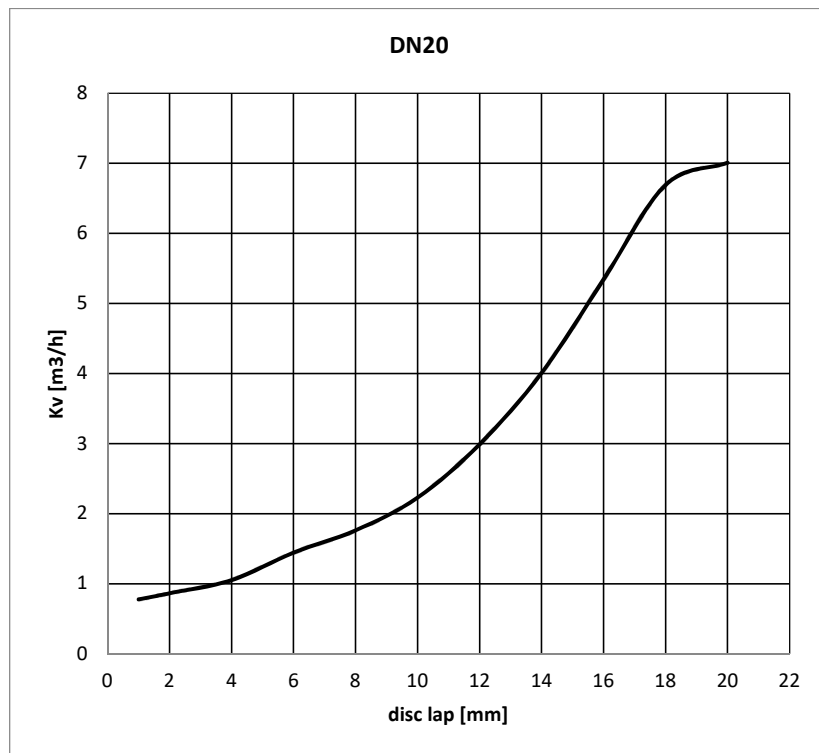
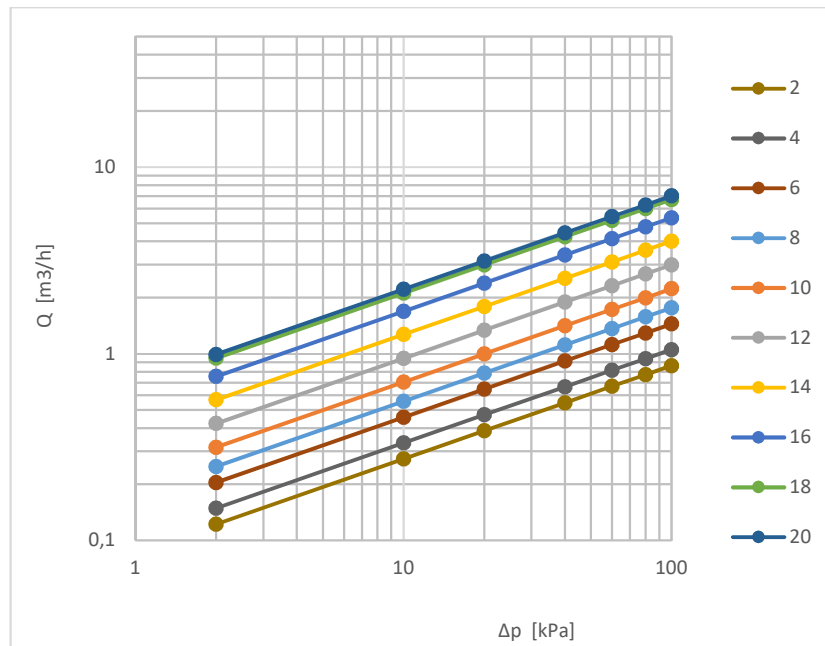


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FIG.227

HYDRAULIC CHARACTERISTICS DN 20

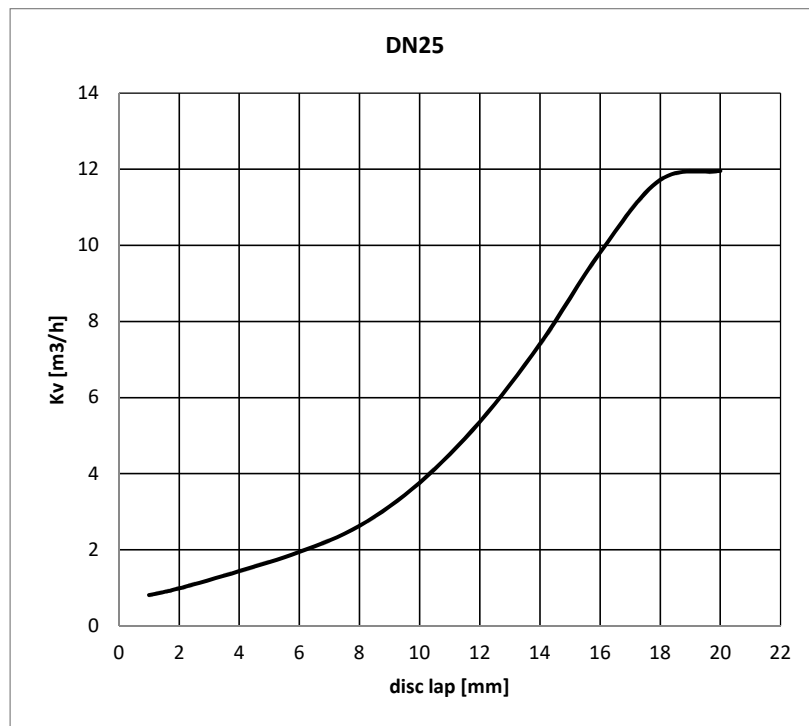
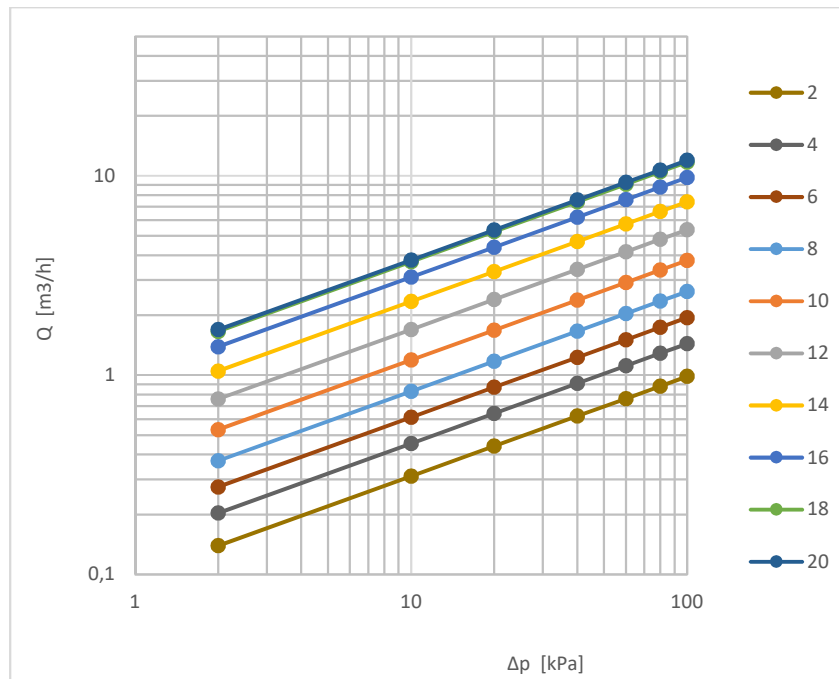


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FIG.227

HYDRAULIC CHARACTERISTICS DN 25

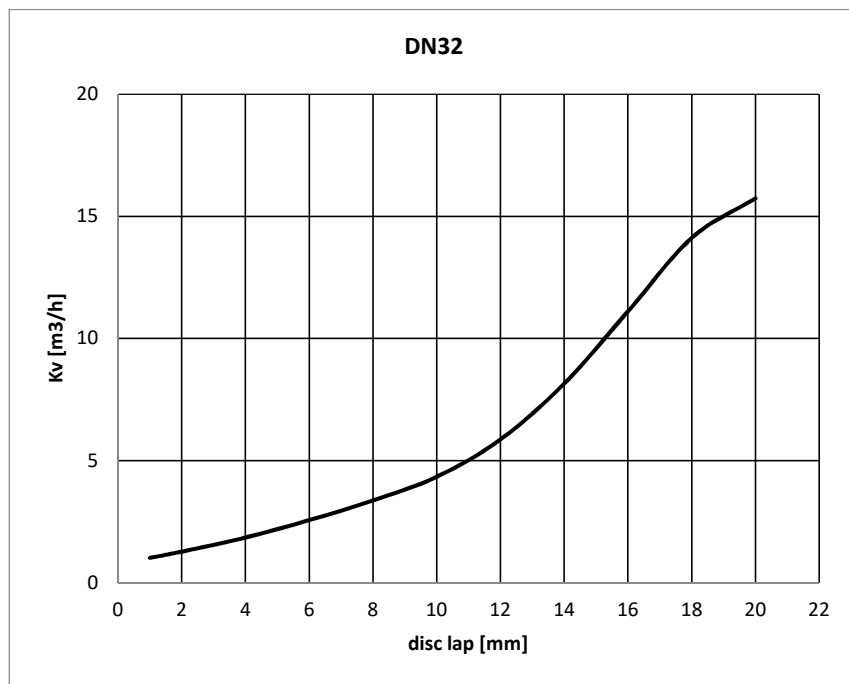
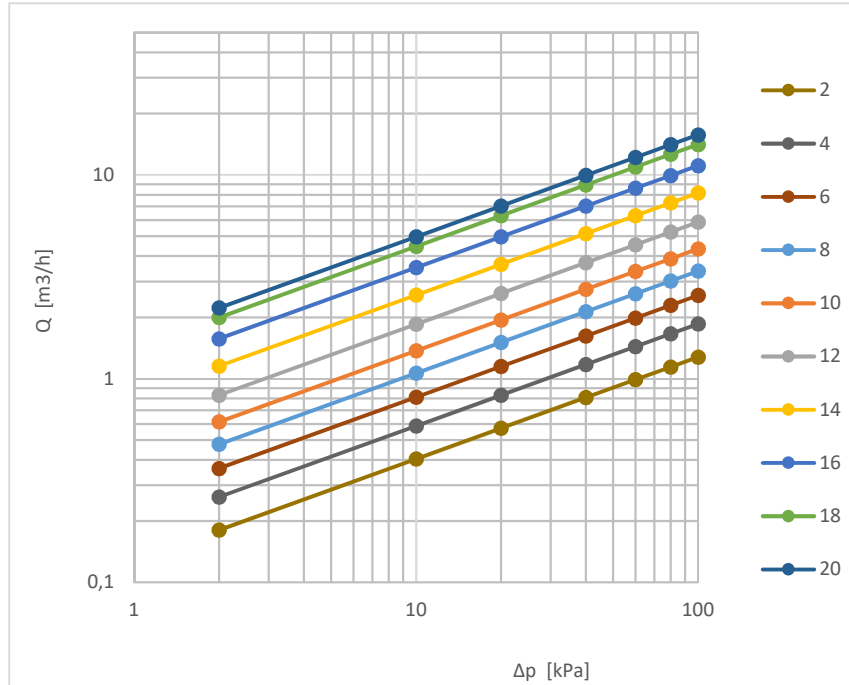


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FIG.227

HYDRAULIC CHARACTERISTICS DN 32

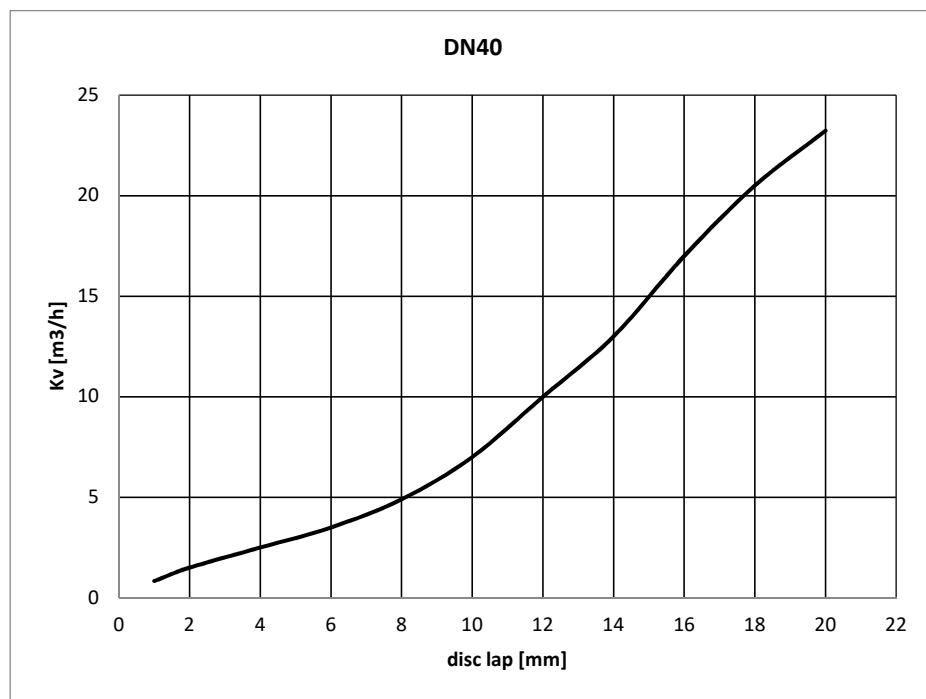
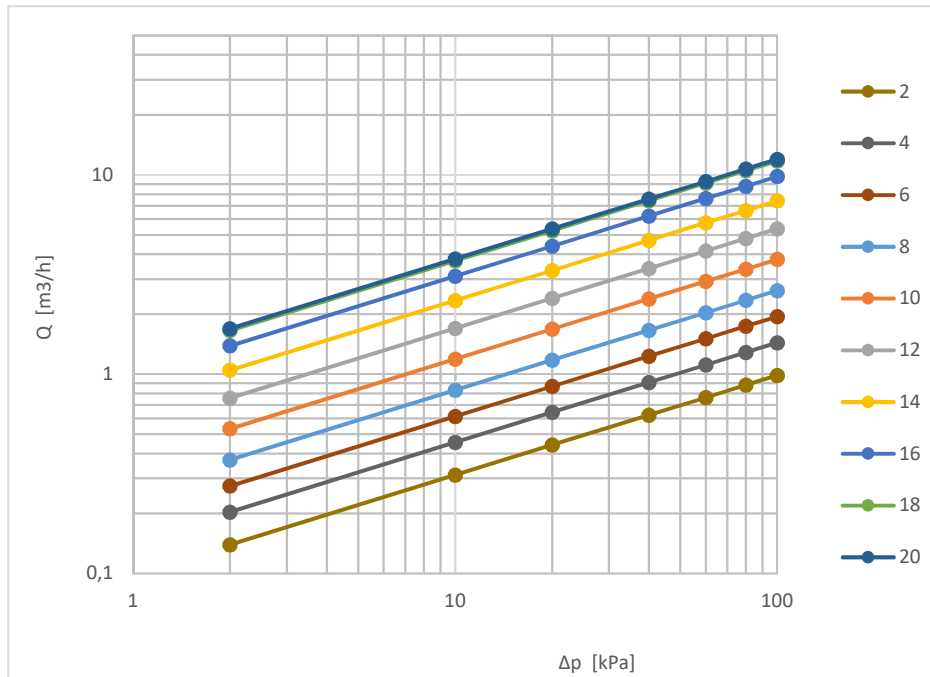


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FIG.227

HYDRAULIC CHARACTERISTICS DN 40



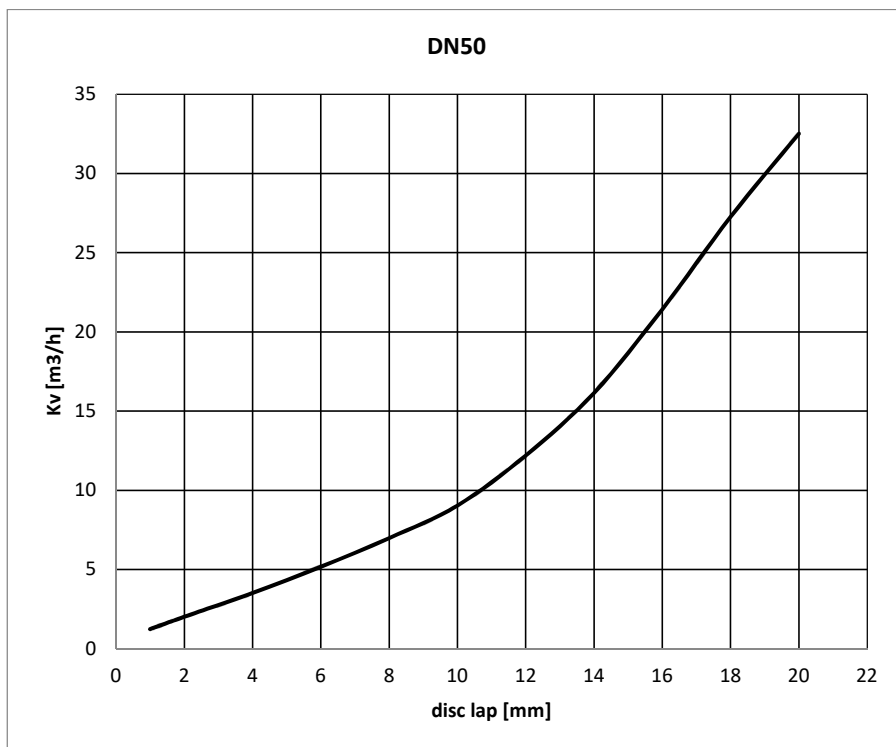
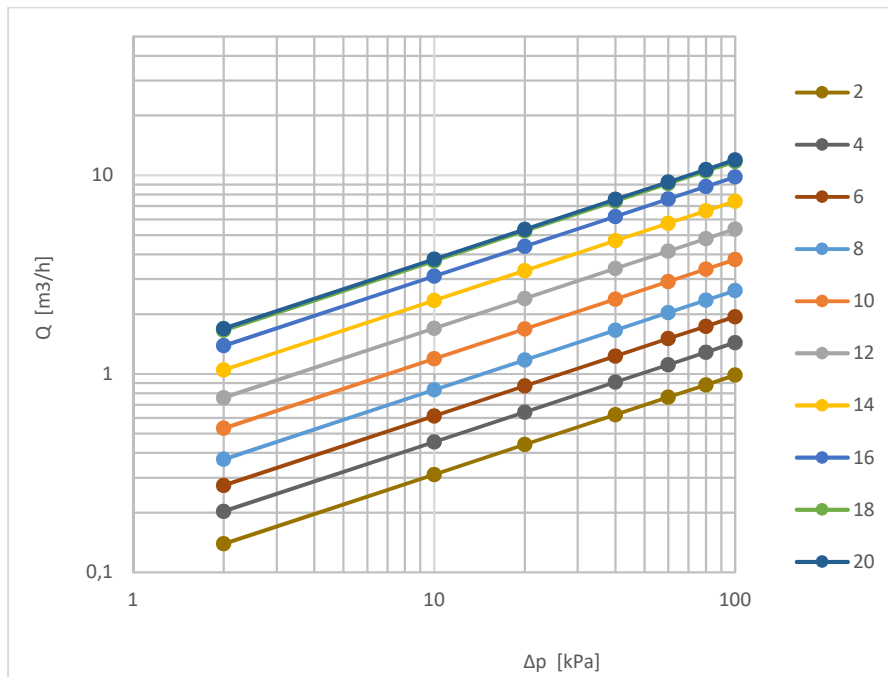
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FIG.227

HYDRAULIC CHARACTERISTICS DN 50

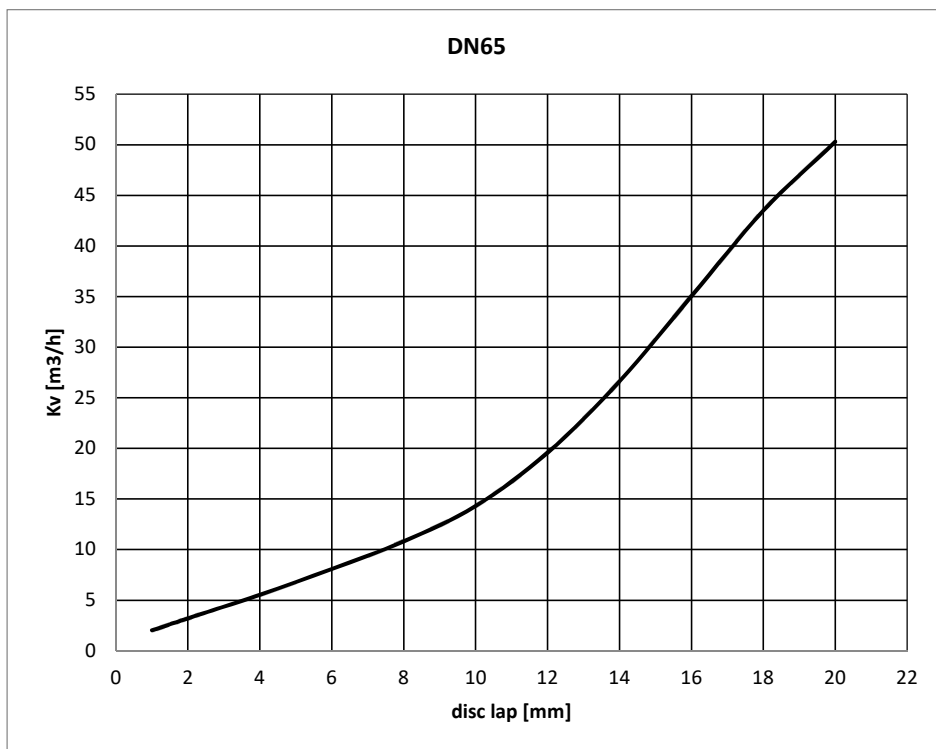
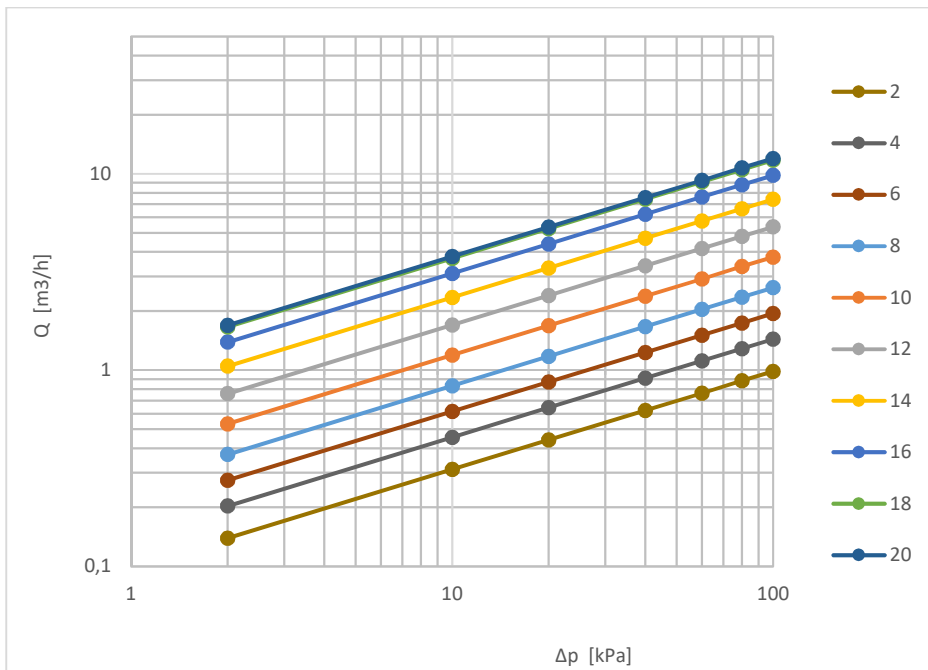


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FIG.227

HYDRAULIC CHARACTERISTICS DN 65

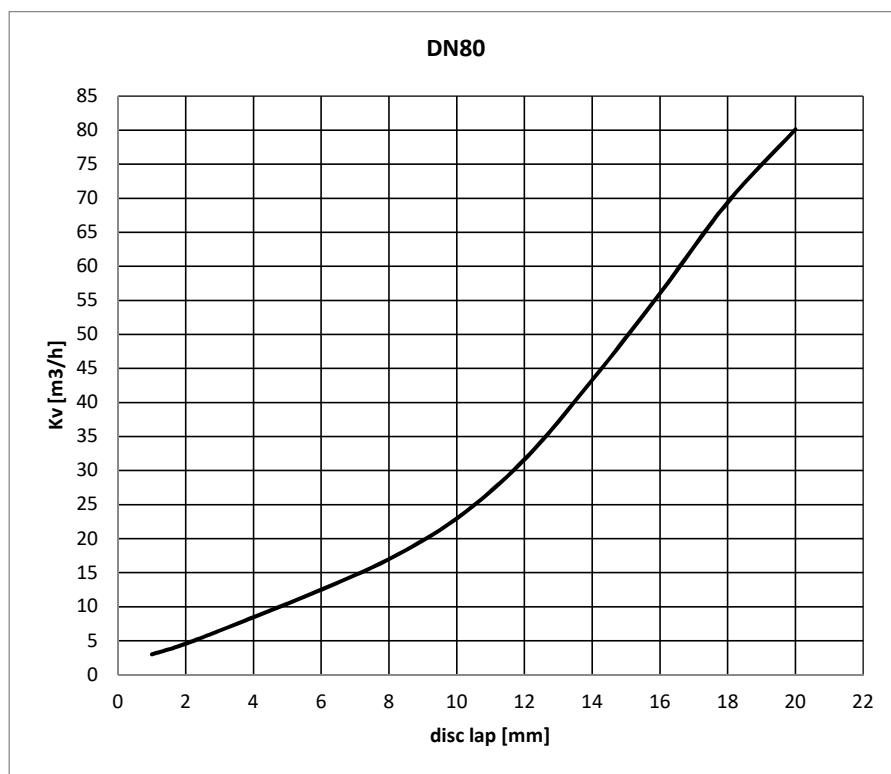
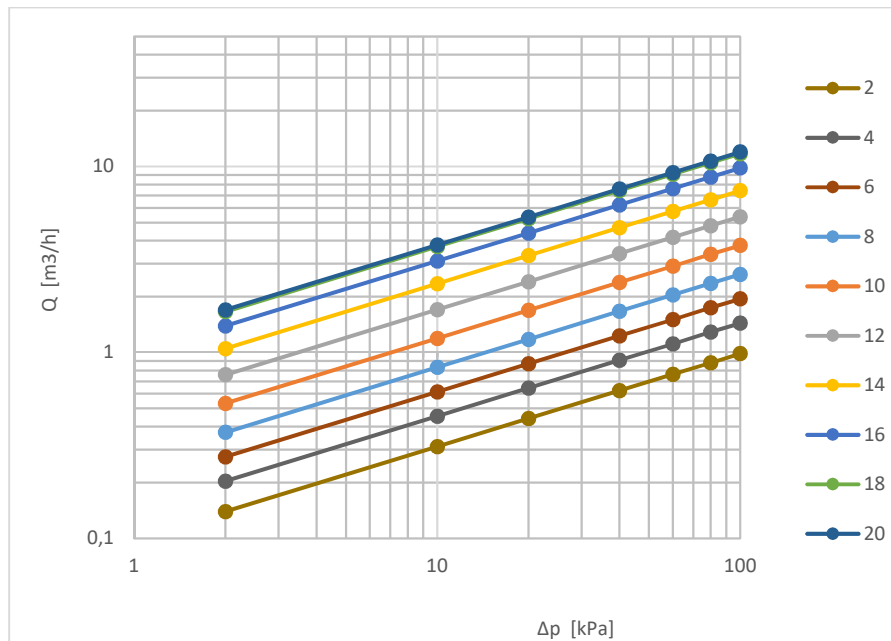


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FIG.227

HYDRAULIC CHARACTERISTICS DN 80



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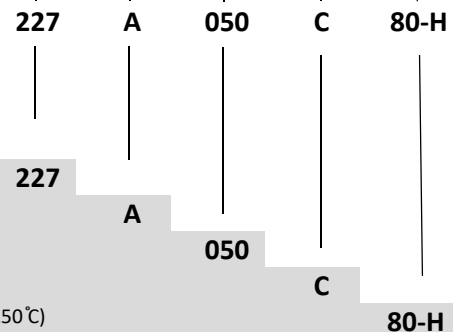
TYPE

Figure	Body material	Nominal diameter	Nominal pressure	Type
227	A Grey cast iron EN-GJL-250	15-80 mm	C 16 bar	<b>80-H</b> stem and disc connection – pin; with electric actuator BELIMO; stem, disc and seat ring - stainless steel (150°C)
				<b>81-H</b> stem and disc connection – pin; with electric actuator BELIMO; stem, disc and seat ring - stainless steel (200°C)
				<b>90</b> stem and disc connection – pin; under actuator; stem, disc and seat ring - stainless steel (150°C)
				<b>91</b> stem and disc connection – pin; under actuator; stem, disc and seat ring - stainless steel (200°C)
				<b>80-R</b> stem and disc connection – pin; with electric actuator REGADA; stem, disc and seat ring - stainless steel (150°C)
				<b>81-R</b> stem and disc connection – pin; with electric actuator REGADA; stem, disc and seat ring - stainless steel (200°C)

ORDERING

Figure	Body material	Nominal diameter	Nominal pressure	Type
227	A Grey cast iron EN-GJL-250	15-80 mm	C 16 bar	<b>80-H</b> stem and disc connection – pin; with electric actuator BELIMO; stem, disc and seat ring - stainless steel (150°C)

Order example acc. index



Control valves, ends flanged, form straight  
 Grey cast iron EN-GJL-250  
 Nominal diameter (mm)  
 Nominal pressure PN 16  
 Stem and disc connection – pin; with electric actuator BELIMO; stem, disc and seat ring - stainless steel (150°C)

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