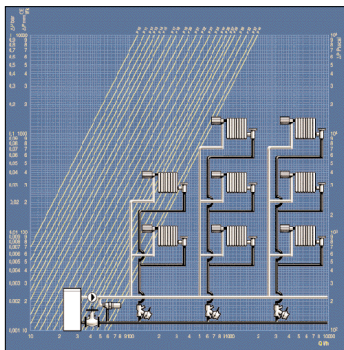
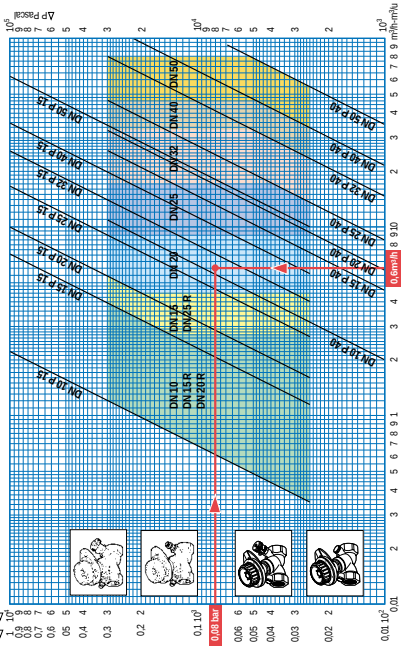




ΔP bar
 ΔP mm CE
 ΔP Pascal



REF		DN - ND																			
		10	15	15R	20	20R	25	25R	32	40	50	65	80	100	125	150	200	250	300	350	400
	750	5	6	7	8	9	10	11	12	13	14										
	751	5	6	7	8	9	10	11	12	13	14										
	752	5	6		8		10		12	13	14										
	753	5	6		8		10		12	13	14										
Y = a X ^a + b X ^b ...		17 - 18																			
	751B		19		19		20		20	21	21	22	22	23	23	24	24				
	750 B																	25	25	26	26
Y = a X ^a + b X ^b ...		28 - 29																			
	1750	30	31	32	33	34	35	36	37	38	39										
	1751	30	31	32	33	34	35	36	37	38	39										
	1752	30	31		33		35		37	38	39										
	1753	30	31		33		35		37	38	39										
Y = a X ^a + b X ^b ...		41 - 42																			

■ Коэффициент ZETA рассчитывается в соответствии с диаметрами труб:

$$Zeta = \frac{2 \cdot g \cdot \Delta P}{v^2 \cdot \gamma}$$

$$g = 9,81 \text{ m/s}^2 \quad \Delta P : \text{daPa}$$

$$v : (\text{m/s}) \quad \gamma = 1000 \text{ kg/m}^3$$

DIN 2440 - NF A49.115



750 ➔ 1753

DN15 ➔ DN50



DN - ND	D	e	d
10	17,2	2,35	12,5
15 R	21,3	2,65	16
20 R	26,9	2,65	21,6
25 R	33,7	3,25	27,2
32	42,4	3,25	35,9
40	48,3	3,25	41,8
50	60,3	3,65	53

DIN 2448 - NF A49.112



751B

DN50 ➔ DN200

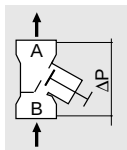
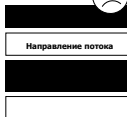
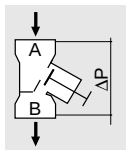
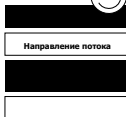


750B

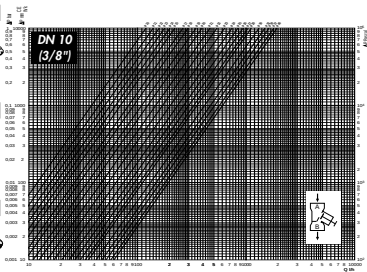
DN250 ➔ DN400

DN - ND	D	e	d
50	60,3	2,9	54,5
65	76,1	2,9	70,3
80	88,9	3,2	82,5
100	114,3	3,6	107,1
125	139,7	4	131,7
150	168,3	4,5	159,3
200	219,1	6,3	206,5
250	273	6,3	260,4
300	323,9	7,1	309,7
350	355,6	8	339,6
400	406,4	8,8	388,8

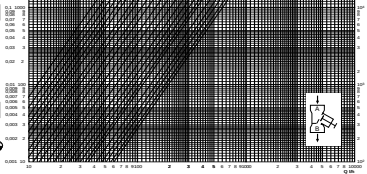




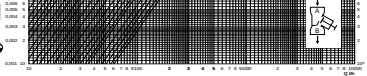
750



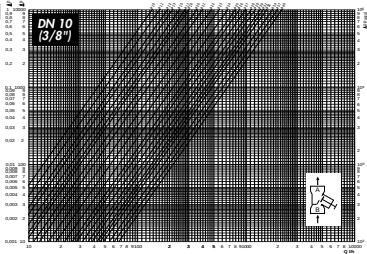
751



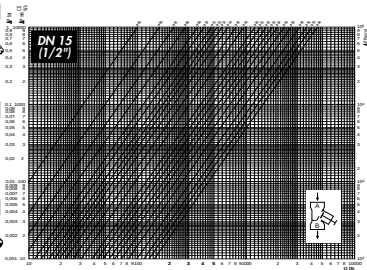
752



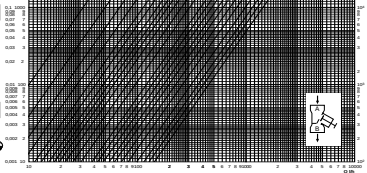
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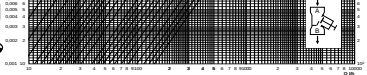
750



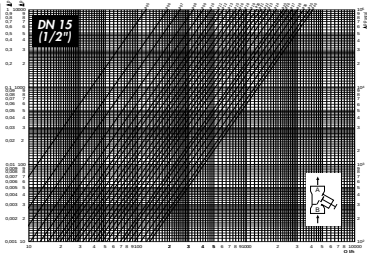
751



752



753

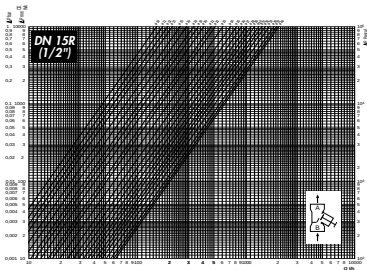
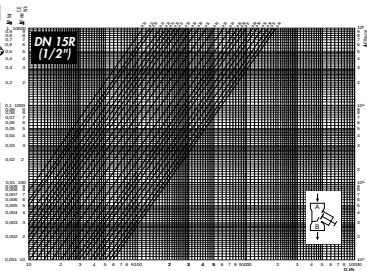


Балансировочные клапана, бронзовые DZR

750 R



751 R



750



1/2"

1.50000
0.8
0.7
0.6
0.5
0.4
0.3
0.2

DN 20
(3/4")

751



1.1

1.0000
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

752



0.01

1.000
0.008
0.006
0.005
0.004
0.003
0.002
0.001

753



1/2"

1.50000
0.8
0.7
0.6
0.5
0.4
0.3
0.2

DN 20
(3/4")

0.1

1.0000
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

0.01

1.000
0.008
0.006
0.005
0.004
0.003
0.002
0.001

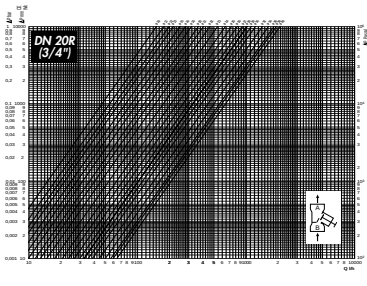
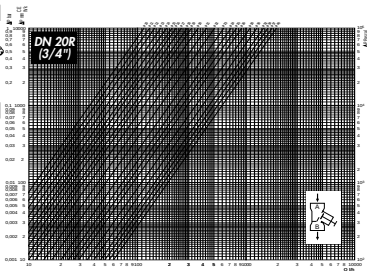


Балансировочные клапана, бронзовые DZR

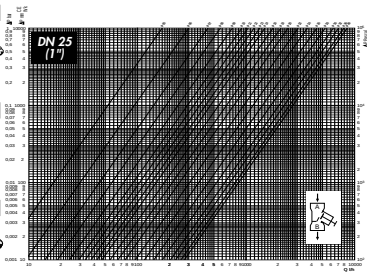
750 R



751 R



750



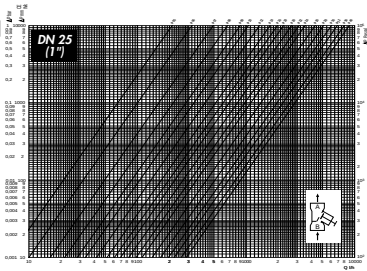
751



752



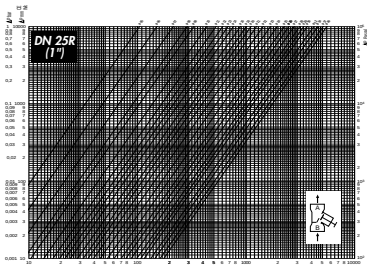
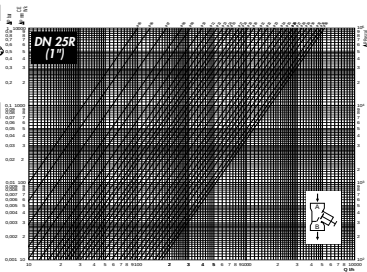
753



750 R



751 R



750



DN 32
(1 1/4")

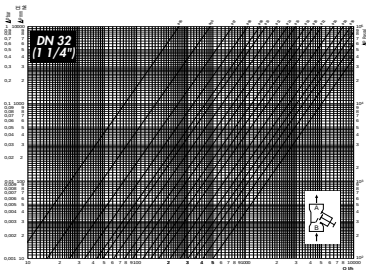
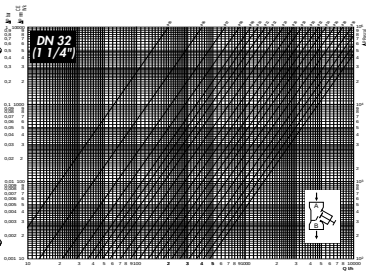
751



752



753



750



1.5
1.0
0.8
0.6
0.5
0.4
0.3
0.2

DN 40
(1 1/2")

751



1.5
1.0
0.8
0.6
0.5
0.4
0.3
0.2

DN 40
(1 1/2")

752



1.5
1.0
0.8
0.6
0.5
0.4
0.3
0.2

DN 40
(1 1/2")

753



1.5
1.0
0.8
0.6
0.5
0.4
0.3
0.2

DN 40
(1 1/2")

1.5
1.0
0.8
0.6
0.5
0.4
0.3
0.2

DN 40
(1 1/2")

1.5
1.0
0.8
0.6
0.5
0.4
0.3
0.2

DN 40
(1 1/2")



750



1/2" 3/4" 1" 1 1/4" 1 1/2" 2" 2 1/2" 3" 3 1/2" 4" 5" 6" 8" 10" 12" 14" 16" 18" 20" 22" 24" 26" 28" 30" 32" 34" 36" 38" 40" 42" 44" 46" 48" 50"

DN 50
(2")

751



0.1 10000 0.08 8 0.07 7 0.06 6 0.05 5 0.04 4 0.03 3 0.02 2 0.01 100 0.008 8 0.007 7 0.006 6 0.005 5 0.004 4 0.003 3 0.002 2 0.001 10

752



0.1 10000 0.08 8 0.07 7 0.06 6 0.05 5 0.04 4 0.03 3 0.02 2 0.01 100 0.008 8 0.007 7 0.006 6 0.005 5 0.004 4 0.003 3 0.002 2 0.001 10

753

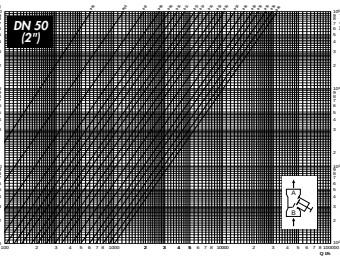
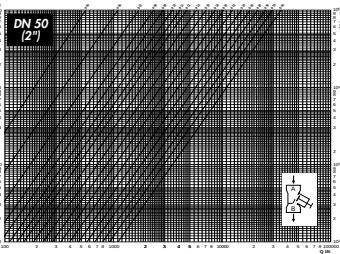


1/2" 3/4" 1" 1 1/4" 1 1/2" 2" 2 1/2" 3" 3 1/2" 4" 5" 6" 8" 10" 12" 14" 16" 18" 20" 22" 24" 26" 28" 30" 32" 34" 36" 38" 40" 42" 44" 46" 48" 50"

DN 50
(2")

0.1 10000 0.08 8 0.07 7 0.06 6 0.05 5 0.04 4 0.03 3 0.02 2 0.01 100 0.008 8 0.007 7 0.006 6 0.005 5 0.004 4 0.003 3 0.002 2 0.001 10

0.1 10000 0.08 8 0.07 7 0.06 6 0.05 5 0.04 4 0.03 3 0.02 2 0.01 100 0.008 8 0.007 7 0.006 6 0.005 5 0.004 4 0.003 3 0.002 2 0.001 10



Kv

A → B

POS / DN	30 (1/8")	32 (1/4")	36 (1/2")	40 (3/4")	48 (1 1/2")	50 (2")	55 (1 1/4")	60 (1 1/2")	65 (2 1/4")	70 (2 1/2")	80 (3")	90 (3 1/2")	100 (4")
35				0.1		0.11	0.1	0.12	0.2	0.21	0.25		
36				0.16		0.21	0.13	0.3	0.4	0.35	1.11		
37				0.22		0.29	0.185	0.44	0.65	0.68	1.22		
38				0.28		0.39	0.26	0.59	0.88	1.04	2.37		
39				0.36		0.46	0.315	0.71	1.13	1.42	2.9		
40	0.12	0.115	0.46	0.115	0.57	0.395	0.91	1.32	1.78	2.5			
41	0.14	0.129	0.48	0.129	0.64	0.479	1.04	1.55	2.17	4.08			
42	0.16	0.146	0.54	0.146	0.73	0.535	1.19	1.8	2.5	4.06			
43	0.18	0.165	0.6	0.165	0.82	0.610	1.33	2.05	2.83	5.24			
44	0.205	0.185	0.67	0.185	0.9	0.675	1.5	2.29	3.3	5.79			
45	0.225	0.205	0.73	0.229	0.97	0.759	1.64	2.53	3.56	6.32			
46	0.25	0.225	0.8	0.239	1.05	0.8	1.78	2.82	3.99	7			
47	0.265	0.259	0.87	0.255	1.13	0.875	1.95	3.14	4.4	7.8			
48	0.285	0.285	0.95	0.289	1.24	0.959	2.13	3.37	4.8	8.6			
49	0.345	0.325	1.08	0.329	1.32	1.059	2.38	3.71	5.48	9.46			
50	0.369	0.375	1.21	0.365	1.43	1.175	2.49	4.05	6.1	10.37			
51	0.389	0.419	1.35	0.419	1.58	1.37	2.75	4.45	6.75	11.32			
52	0.549	0.515	1.54	0.515	1.75	1.595	3.04	4.74	7.45	12.49			
53	0.619	0.629	1.75	0.629	1.93	1.84	3.36	5.07	8.25	13.71			
54	0.749	0.739	1.99	0.739	2.16	2.18	3.69	5.52	9.08	15.1			
55	0.849	0.849	2.28	0.815	2.43	2.425	4.05	6.03	10.89	16.54			
56	0.949	0.925	2.61	0.919	2.83	2.725	4.45	6.63	10.95	18.15			
57	1.049	1.015	2.91	1.015	3.17	3.019	4.84	7.29	11.87	19.11			
58	1.155	1.095	3.18	1.095	3.49	3.34	5.38	7.99	12.79	21.44			
59	1.215	1.175	3.42	1.185	3.89	3.64	5.93	8.67	13.4	23.4			
60	1.319	1.285	3.69	1.285	4.18	3.99	6.26	9.61	14.48	25.52			
61	1.449	1.415	3.92	1.385	4.4	4.339	6.77	10.59	15.45	27.25			
62	1.59	1.479	3.9	1.485	4.65	4.499	7.04	10.94	16.32	28.57			
63	1.589	1.565	4.02	1.525	4.89	4.65	7.36	11.51	17.12	29.87			
64	1.645	1.629	4.16	1.6	5.09	4.7	7.54	11.89	17.84	30.64			
65	1.719	1.675	4.38	1.64	5.26	4.775	7.68	12.33	18.45	31.53			
66	1.755	1.749	4.35	1.69	5.46	4.895	7.87	12.87	19.13	32.19			
67	1.865	1.825	4.57	1.74	5.59	4.975	8.03	13.49	19.76	33.5			
68	1.86	1.839	4.45	1.8	5.7	5.039	8.22	13.99	20.3	34.22			
69	1.915	1.879	4.45	1.81	5.93	5.149	8.38	14.49	20.66	34.81			
70	1.95	1.909	4.47	1.89	5.9	5.339	8.52	14.89	21.09	35.48			

ZETA

A → B

POS / DN	30 (1/8")	32 (1/4")	36 (1/2")	40 (3/4")	48 (1 1/2")	50 (2")	55 (1 1/4")	60 (1 1/2")	65 (2 1/4")	70 (2 1/2")	80 (3")	90 (3 1/2")	100 (4")
5			30279		20117	80355	26739	61995	81459	40163			
6			4915		8124	30932	9639	12054	39748	16941			
7			7123		4906	75885	44115	6305	39479	43388			
8			1311		2360	12790	3569	2372	4450	23302			
9			791		1667	8643	1634	2034	2275	1473			
10	2659	7773	611	25817	1053	5593	1028	1464	1511	1012			
11	1954	6082	446	20203	836	3887	798	1086	1017	743			
12	1496	5245	356	16239	634	2090	667	892	796	529			
13	1182	4236	286	12541	509	2237	485	668	598	451			
14	911	3001	229	8976	406	1884	381	497	466	379			
15	756	2446	191	7742	361	1526	318	406	378	319			
16	633	2021	161	6454	310	1341	279	338	301	252			
17	545	1645	137	5251	266	1121	227	264	247	204			
18	449	1264	114	4060	223	951	184	229	199	167			
19	322	971	89	3134	195	779	146	190	159	138			
20	252	731	70	2562	168	622	128	159	129	115			
21	183	556	56	1847	125	457	113	113	105	90			
22	138	398	43	1287	114	337	92	116	86	70			
23	96	288	34	888	83	254	69	102	76	66			
24	70	193	26	659	73	181	43	86	58	54			
25	54	146	20	514	58	146	52	72	48	45			
26	43	126	15	412	43	116	43	56	40	38			
27	35	100	12	331	34	95	37	49	34	34			
28	29	86	10	285	28	77	30	41	29	27			
29	23	71	8	243	23	64	24	35	26	23			
30	22	62	8	213	20	56	21	28	22	19			
31	18	54	7	181	18	48	19	24	20	17			
32	17	48	7	159	16	43	17	22	18	15			
33	15	40	6	147	14	40	16	20	16	14			
34	14	36	6	133	13	39	15	18	15	13			
35	13	37	6	127	12	38	15	17	14	13			
36	12	34	5	120	12	36	14	15	13	12			
37	11	31	5	110	11	34	13	14	12	11			
38	11	31	5	105	11	34	13	13	12	11			
39	10	29	5	102	10	32	12	13	11	10			
40	10	28	5	96	10	32	12	12	11	10			

Kv

B → A

PGG / DN	30 (1/2")	32 (1 1/4")	38 (1 1/2")	44 (1 3/4")	50 (2")	55 (2 1/4")	65 (2 1/2")	80 (3")	90 (3 1/2")	100 (4")
35				0.12	0.14	0.205	0.31	0.35	0.48	0.62
36				0.19	0.22	0.355	0.52	0.67	0.92	1.23
37				0.25	0.32	0.515	0.75	0.98	1.31	1.75
38				0.33	0.40	0.59	0.87	1.16	1.51	2.00
39				0.4	0.51	0.76	1.11	1.47	1.97	2.59
40	0.135	0.15	0.27	0.35	0.43	0.655	1.03	1.37	1.86	2.45
41	0.160	0.17	0.35	0.45	0.57	0.825	1.29	1.8	2.45	3.27
42	0.180	0.19	0.41	0.52	0.65	0.95	1.45	2.05	2.75	3.65
43	0.210	0.21	0.49	0.61	0.76	1.11	1.65	2.35	3.15	4.15
44	0.235	0.235	0.54	0.67	0.83	1.25	1.85	2.65	3.55	4.65
45	0.265	0.265	0.6	0.74	0.92	1.38	2.05	2.95	3.95	5.15
46	0.295	0.295	0.67	0.82	1.02	1.52	2.25	3.25	4.35	5.65
47	0.325	0.31	0.73	0.89	1.1	1.66	2.45	3.55	4.75	6.15
48	0.3	0.32	0.79	0.96	1.26	1.805	2.65	3.85	5.15	6.65
49	0.32	0.365	1.12	1.31	1.51	2.11	3.15	4.45	5.85	7.55
50	0.35	0.415	1.24	1.45	1.66	2.35	3.55	4.95	6.45	8.35
51	0.395	0.475	1.36	1.59	1.81	2.59	3.85	5.35	6.95	9.05
52	0.425	0.505	1.55	1.78	2.01	3.05	4.45	6.05	7.75	10.05
53	0.465	0.545	1.65	1.88	2.11	3.25	4.75	6.45	8.25	10.65
54	0.475	0.565	1.82	2.05	2.27	3.55	5.05	6.85	8.75	11.35
55	0.525	0.61	2.02	2.25	2.48	3.85	5.45	7.35	9.35	12.15
56	0.565	0.655	2.28	2.52	2.75	4.15	5.85	7.95	10.15	13.15
57	0.585	0.685	2.48	2.75	2.98	4.45	6.25	8.45	10.65	13.85
58	0.615	0.715	2.68	2.98	3.21	4.75	6.65	8.95	11.15	14.55
59	0.645	0.745	2.88	3.21	3.44	5.05	7.05	9.45	11.65	15.25
60	0.675	0.775	3.08	3.44	3.67	5.35	7.45	9.95	12.15	15.95
61	0.715	0.815	3.28	3.67	3.9	5.65	7.85	10.45	12.65	16.65
62	0.755	0.855	3.48	3.9	4.13	5.95	8.25	10.95	13.15	17.35
63	0.795	0.895	3.68	4.13	4.36	6.25	8.65	11.45	13.65	18.05
64	0.835	0.935	3.88	4.36	4.59	6.55	8.95	11.95	14.15	18.75
65	0.875	0.975	4.08	4.59	4.82	6.85	9.35	12.45	14.65	19.45
66	0.915	1.015	4.28	4.82	5.05	7.15	9.75	12.95	15.15	20.15
67	0.955	1.055	4.48	5.05	5.28	7.45	10.15	13.45	15.65	20.85
68	0.995	1.095	4.68	5.28	5.51	7.75	10.55	13.95	16.15	21.55
69	1.035	1.135	4.88	5.51	5.74	8.05	10.95	14.45	16.65	22.25
70	1.075	1.175	5.08	5.74	5.97	8.35	11.35	14.95	17.15	22.95
71	1.115	1.215	5.28	5.97	6.2	8.65	11.75	15.45	17.65	23.65
72	1.155	1.255	5.48	6.2	6.43	8.95	12.15	15.95	18.15	24.35
73	1.195	1.295	5.68	6.43	6.66	9.25	12.55	16.45	18.65	25.05
74	1.235	1.335	5.88	6.66	6.89	9.55	12.95	16.95	19.15	25.75
75	1.275	1.375	6.08	6.89	7.12	9.85	13.35	17.45	19.65	26.45
76	1.315	1.415	6.28	7.12	7.35	10.15	13.75	17.95	20.15	27.15
77	1.355	1.455	6.48	7.35	7.58	10.45	14.15	18.45	20.65	27.85
78	1.395	1.495	6.68	7.58	7.81	10.75	14.55	18.95	21.15	28.55
79	1.435	1.535	6.88	7.81	8.04	11.05	14.95	19.45	21.65	29.25
80	1.475	1.575	7.08	8.04	8.27	11.35	15.35	19.95	22.15	30.00

ZETA

B → A

PGG / DN	30 (1/2")	32 (1 1/4")	38 (1 1/2")	44 (1 3/4")	50 (2")	55 (2 1/4")	65 (2 1/2")	80 (3")	90 (3 1/2")	100 (4")
35				2187	17671	72871	10468	41032	60541	32196
36				2847	7288	36736	1284	11566	13162	8221
37				3644	1155	58171	1575	1514	1480	1171
38				4441	1621	10259	1911	2321	3271	1730
39				5238	2088	14625	2256	2766	3716	2145
40	2165	4569	485	15175	860	4537	834	1064	1246	835
41	1446	3155	140	11149	707	3115	607	808	796	679
42	1065	2847	275	8679	568	2346	485	678	632	488
43	860	2131	216	7186	466	1884	375	536	511	408
44	765	1861	136	6181	377	1596	315	418	412	308
45	678	1645	116	5463	318	1361	264	361	342	257
46	596	1404	136	4785	276	1121	227	306	296	227
47	516	1079	119	3921	240	951	197	241	238	181
48	425	944	105	3441	215	850	170	197	181	150
49	374	772	82	3115	191	741	146	164	141	128
50	313	597	67	2562	166	678	123	143	125	110
51	245	446	56	2082	142	606	102	119	103	95
52	173	378	46	1654	116	481	81	104	86	105
53	127	275	38	1160	91	391	61	87	74	86
54	85	201	28	847	72	320	48	61	43	71
55	64	151	21	650	58	266	36	49	32	58
56	54	124	18	562	46	237	28	42	26	44
57	40	101	14	489	37	211	23	30	27	40
58	31	84	11	425	30	181	18	24	21	34
59	24	71	10	370	24	151	15	20	17	28
60	22	60	9	321	20	131	13	18	16	25
61	19	51	8	281	17	111	11	16	14	22
62	16	42	8	241	14	91	10	14	13	21
63	14	35	8	201	11	71	9	12	11	19
64	13	31	7	181	10	61	8	11	10	17
65	12	28	7	161	9	51	7	10	9	16
66	11	25	7	141	8	41	6	9	8	15
67	10	22	6	121	7	31	5	8	7	14
68	9	20	6	101	6	21	4	7	6	13
69	8	18	6	81	5	11	3	6	5	12
70	8	16	6	71	4	10	3	5	4	11

KV = f (POS)

$$\frac{KV}{10} = a \left(\frac{POS}{100} \right)^6 + b \left(\frac{POS}{100} \right)^5 + c \left(\frac{POS}{100} \right)^4 + d \left(\frac{POS}{100} \right)^3 + e \left(\frac{POS}{100} \right)^2 + f \left(\frac{POS}{100} \right) + g$$

Ref. 750, 751, 752, 753

A → B

Ref.	a	b	c	d	e	f	g
750 DN 10 (3/8")	0	735,09	-950,02	456,38	-99,287	10,104	-0,37544
750 DN 15 (1/2")	9505	-12035,9	5734,5	-1288,5	144,59	-7,093	0,13257
750 DN 20 (3/4")	0	522,9	-686,41	331,13	-71,004	7,078	-0,25453
750 DN 25 (1")	11717,24905	-15645,99472	7962,12398	-1938,40488	237,25161	-12,96649	0,20923
750 DN 28R (3/4")	85,19594	544,38891	-789,58669	390,58409	-85,40707	8,6644	-0,31906
750 DN 25 (1")	15799,4107	-20905,9142	10560,9535	-2564,0382	315,3046	-17,1108	0,3506
750 DN 25R (1")	13160,20409	-17048,8957	8398,95946	-1979,97337	236,23736	-12,8985	0,29634
750 DN 32 (1 1/4")	15886,5903	-22045,7515	11634,3086	-2951,3652	380,0543	-21,1124	0,4385
750 DN 40 (1 1/2")	12343,9475	-15910,5619	7670,9523	-1713,7994	194,5505	-7,506	0,0748
750 DN 50 (2")	44895,1453	-59741,462	30166,2535	-7264,5978	884,5544	-45,8264	0,8913

B → A

Ref.	a	b	c	d	e	f	g
750 DN 10 (3/8")	0	685,66	-914,25	467,41	-108,2	11,635	-0,46237
750 DN 15 (1/2")	11547,9	-14799	7149,7	-1451,7	191,93	-9,9402	0,19723
750 DN 20 (3/4")	0	144,97	-266,67	159,05	-38,728	4,3133	-0,16342
750 DN 25 (1")	12720,5165	-16277,75721	9314,43399	-2278,80476	280,09551	-15,41176	0,32139
750 DN 28R (3/4")	644,09	-534,83	-25,518	137,79	-44,484	5,5522	-0,22876
750 DN 25 (1")	11639,9276	-15986,7209	8381,1298	-2105,0572	265,5967	-14,2726	0,2897
750 DN 25R (1")	8704,76258	-12924,8184	6546,85171	-1580,70843	191,51853	-10,3287	0,20997
750 DN 32 (1 1/4")	2714,3451	-5530,0418	3686,3903	-1064,5273	145,7672	-6,8148	0,1358
750 DN 40 (1 1/2")	7468,9465	-10646,9713	5596,4072	-1353,9843	164,9218	-6,1441	0,0528
750 DN 50 (2")	27828,9956	-39204,9659	21006,0322	-5368,2745	685,7419	-35,2273	0,6764

750 DN 15 (1/2") - A → B

POS =  ÷ 100
= 0,2

$$\frac{KV}{10} = kv = 9505 \times \left(\frac{20}{100} \right)^6 + (-12035,9) \times \left(\frac{20}{100} \right)^5 + 5734,5 \left(\frac{20}{100} \right)^4 + (-1288,5) \times \left(\frac{20}{100} \right)^3 + 144,59 \times \left(\frac{20}{100} \right)^2 + (-7,093) \times \left(\frac{20}{100} \right) + 0,13257 = 0,121$$

(KV = kv x 10)

KV = 1,21 😊



750 DN 15 (1/2") - A → B

KV = 1,21

$$kv = (1,21 : 10) = 0,121$$

$$\begin{aligned} POS_{100} = pos &= 1344,99 \times (0,121)^5 + (-1785,016) \times (0,121)^5 \\ &+ 896,4754 \times (0,121)^4 + (-201,41631) \times (0,121)^3 \\ &+ 15,871321 \times (0,121)^2 + 1,1402068 \times 0,121 + 0,038045 = \mathbf{0,201} \\ (POS &= pos \times 100) \end{aligned}$$

POS = 20



POS = f (KV)

$$pos_{100} = a \left(\frac{KV}{10} \right)^5 + b \left(\frac{KV}{10} \right)^4 + c \left(\frac{KV}{10} \right)^3 + d \left(\frac{KV}{10} \right)^2 + e \left(\frac{KV}{10} \right) + f \left(\frac{KV}{10} \right) + g$$

Ref. 750, 751, 752, 753

A → B

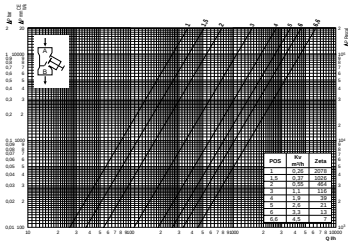
Ref.	a	b	c	d	e	f	g
750 DN 10 (3/8")	0	10515,1	-6234,7	1445,193	-160,0093	9,29043	0,008
750 DN 15 (1/2")	1344,99	-1785,016	896,4754	-201,41631	15,871321	1,1402068	0,038045
750 DN 15R (1/2")	0	17740,7	-9755,66	2036,239	-205,9978	10,37434	0,00638
750 DN 20 (3/4")	202,22	-389,4	286,3934	-65,89918	12,388184	0,5895269	0,042544
750 DN 20R (3/4")	-143102	99475,4	-27493,11	3895,143	-296,2356	12,54851	-0,01139
750 DN 25 (1")	3,377118	-11,082344	14,793574	-8,74796	1,59622	0,587196	0,04061
750 DN 25R (1")	347,93	-513,636	279,4534	-61,14628	1,060756	1,7275695	0,034891
750 DN 32 (1" 1/4")	-0,059481	0,037701	0,423948	-0,677742	0,109007	0,432194	0,04179
750 DN 40 (1" 1/2")	0,038761	-0,246912	0,590402	-0,596959	0,121112	0,296739	0,046986
750 DN 50 (2")	0,000551	-0,007364	0,037399	-0,040311	0,036463	0,172476	0,039541

B → A

Ref.	a	b	c	d	e	f	g
750 DN 10 (3/8")	0	9194,4	-6010,5	1513,6	-180,93	11,007	-0,0268
750 DN 15 (1/2")	599,61	-866,128	510,4556	-139,16562	13,806733	0,9593089	0,03725
750 DN 15R (1/2")	0	14561,8	-8336,93	1836,544	-194,7929	10,97944	-0,0291
750 DN 20 (3/4")	364,29	-345,627	277,6344	-101,93031	15,072875	0,2971868	0,045305
750 DN 20R (3/4")	-43017,24	39087,017	-34015,5418	2549,9794	-248,085874	13,1941309	-0,05745
750 DN 25 (1")	2,575325	-10,732039	16,791518	-11,603711	3,064769	0,323562	0,045381
750 DN 25R (1")	408,46	-702,435	452,7251	-129,29587	13,121302	0,9453458	0,041806
750 DN 32 (1" 1/4")	0,18534	-1,051967	2,317325	-2,348268	0,883819	0,276957	0,043797
750 DN 40 (1" 1/2")	0,019876	-0,137963	0,368667	-0,430308	0,116353	0,273679	0,045638
750 DN 50 (2")	0,000291	-0,007362	0,053746	-0,15623	0,163438	0,086314	0,046975

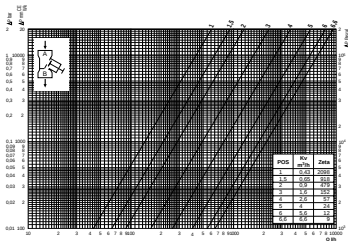
751 B

DN 15 - (1/2")



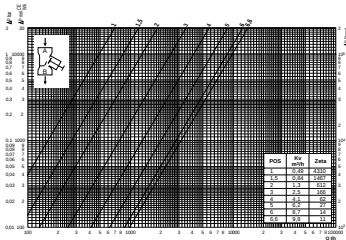
751 B

DN 20 - (3/4")



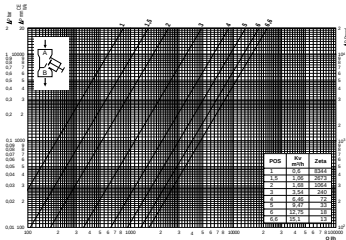
751 B

DN 25 - (1")



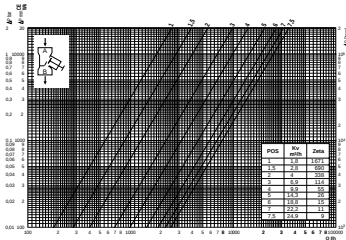
751 B

DN 32 - (1 1/4")



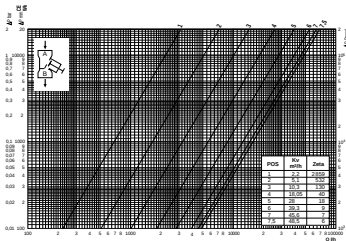
751 B

DN 40 - (1 1/2")



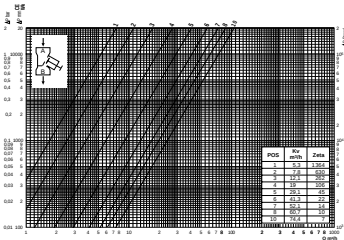
751 B

DN 50 - (2")



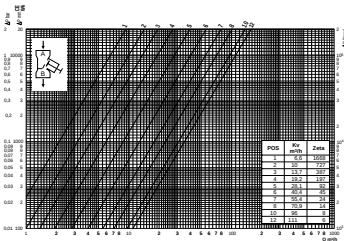
751 B

DN 65 - (2 1/2")



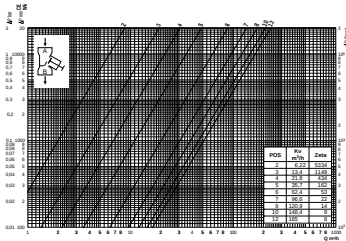
751 B

DN 80 - (3")



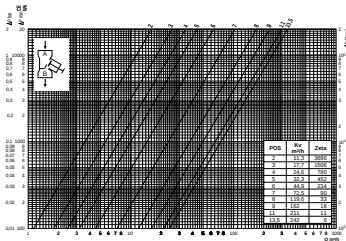
751 B

DN 100 - (4")



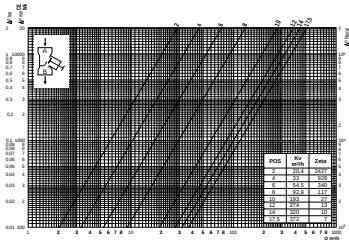
751 B

DN 125 - (5")



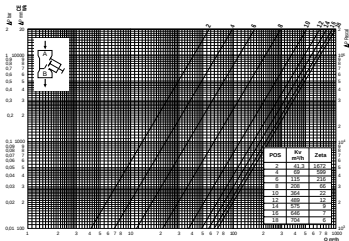
751 B

DN 150 - (6")



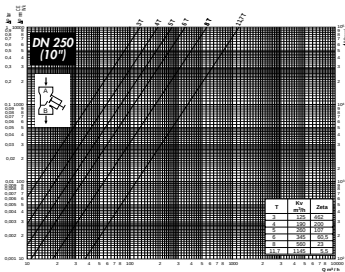
751 B

DN 200 - (8")

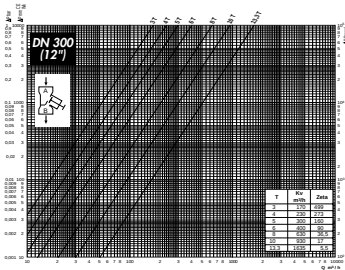


Фланцевые чугунные балансировочные клапана

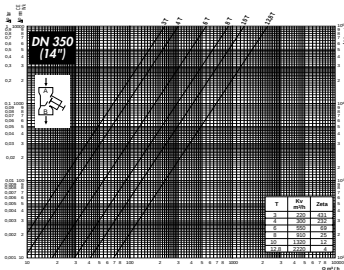
750 B



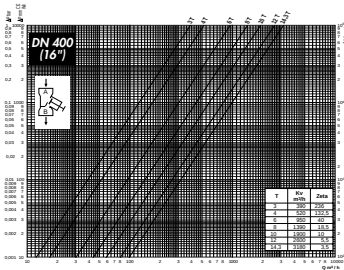
750 B



750 B



750 B



Фланцевые чугунные балансировочные клапана

COMAP 751B : Kv, f (DN, POS)

POS	DN	15	20	25	32	40	50	65	80
0.5	0.13	0.22	0.38	0.68	1.07	2.90	3.65		
0.6	0.17	0.26	0.43	0.81	1.29	3.52	4.30		
0.7	0.19	0.30	0.52	0.99	1.35	3.51	4.02	4.94	
0.8	0.22	0.34	0.60	1.03	1.40	3.74	4.09	5.24	
0.9	0.24	0.39	0.64	1.03	1.45	3.87	4.02	5.10	
1	0.25	0.43	0.78	1.20	1.50	2.20	5.30	6.60	
1.3	0.33	0.49	0.85	1.06	1.99	2.44	5.61	7.06	
1.2	0.30	0.52	0.84	0.97	2.18	2.68	5.02	5.49	
1.1	0.32	0.56	0.68	0.86	2.38	2.93	6.18	7.85	
1.4	0.34	0.60	0.78	0.96	2.39	3.38	6.42	8.31	
1.5	0.37	0.65	0.94	1.06	2.38	3.46	6.64	8.52	
1.6	0.40	0.70	0.92	1.17	3.02	3.75	6.86	8.81	
1.7	0.43	0.74	1.08	1.29	3.25	4.06	7.07	9.11	
1.8	0.47	0.79	1.30	1.41	3.49	4.38	7.29	9.40	
1.9	0.51	0.85	1.39	1.54	3.74	4.73	7.51	9.70	
2	0.55	0.90	1.50	1.68	4.00	5.10	7.80	10.13	
2.1	0.59	0.96	1.60	1.82	4.27	5.50	8.09	10.51	
2.2	0.64	1.03	1.81	1.98	4.59	5.92	8.42	10.94	
2.3	0.69	1.10	1.92	2.14	4.81	6.38	8.79	11.31	
2.4	0.74	1.15	2.12	2.31	5.12	6.86	9.18	11.71	
2.5	0.80	1.15	1.85	2.40	5.42	7.36	9.60	11.77	
2.6	0.85	1.29	1.88	2.67	5.92	7.89	10.00	12.11	
2.7	0.91	1.36	2.30	2.87	6.02	8.46	10.5	12.4	
2.8	0.97	1.44	2.31	3.08	6.32	9.04	11.0	12.8	
2.9	1.00	1.52	2.36	3.30	6.61	9.66	11.6	13.1	
3	1.10	1.60	2.50	3.54	6.96	10.3	12.1	13.7	
3.1	1.17	1.69	2.64	3.79	7.19	11.0	12.7	14.2	
3.2	1.25	1.77	2.79	4.05	7.47	11.7	13.1	14.6	
3.3	1.32	1.86	2.94	4.31	7.75	12.4	13.6	15.1	
3.4	1.40	1.96	3.09	4.62	8.01	13.1	14.5	15.6	
3.5	1.50	2.06	3.25	4.91	8.31	13.9	15.2	16.1	
3.6	1.57	2.14	3.41	5.20	8.59	14.7	15.9	16.7	
3.7	1.65	2.25	3.58	5.51	8.98	15.5	16.6	17.1	
3.8	1.74	2.37	3.75	5.84	9.22	16.3	17.4	17.9	
3.9	1.82	2.48	3.92	6.15	9.55	17.1	18.2	18.5	
4	1.90	2.60	4.33	6.46	9.90	18.1	19.0	19.2	
4.1	1.98	2.72	4.58	6.77	10.1	18.9	19.6	19.9	
4.2	2.06	2.85	4.87	7.07	10.7	19.8	20.8	20.7	
4.3	2.13	2.98	4.92	7.37	11.3	20.8	21.7	21.5	

POS	DN	15	20	25	32	40	50	65	80
4.4	2.21	3.12	4.87	7.67	11.5	21.7	22.7	22.9	
4.5	2.30	3.26	5.07	7.97	11.9	22.7	23.6	23.2	
4.6	2.35	3.40	5.28	8.27	12.4	23.7	24.7	24.1	
4.7	2.42	3.55	5.50	8.57	12.8	24.7	25.7	25.1	
4.8	2.49	3.70	5.72	8.87	13.3	25.6	26.6	26.0	
4.9	2.54	3.85	5.96	9.15	13.8	26.9	28.0	27.3	
5	2.60	4.00	6.20	9.47	14.3	28.0	28.1	28.1	
5.1	2.66	4.16	6.45	9.77	14.8	29.2	30.1	29.3	
5.2	2.71	4.31	6.71	10.1	15.3	30.4	31.5	30.3	
5.3	2.77	4.47	6.97	10.4	15.8	31.6	32.7	31.5	
5.4	2.82	4.61	7.24	10.7	16.3	32.9	33.9	32.6	
5.5	2.90	4.79	7.50	11.0	16.8	34.1	35.2	33.9	
5.6	2.95	4.95	7.76	11.4	17.2	35.2	36.4	35.1	
5.7	3.02	5.11	8.01	11.7	17.6	36.4	37.5	36.4	
5.8	3.10	5.27	8.25	12.0	18.0	37.4	38.9	37.7	
5.9	3.19	5.44	8.49	12.4	18.4	38.4	40.1	39.3	
6	3.30	5.68	8.79	12.8	18.8	39.5	41.3	40.4	
6.1	3.42	5.92	9.07	13.1	19.1	40.1	42.3	41.2	
6.2	3.50	5.90	9.30	13.5	19.5	40.9	43.4	42.1	
6.3	3.76	6.10	9.28	13.9	19.8	41.6	44.8	44.7	
6.4	4.00	6.25	9.46	14.3	20.1	42.3	46.9	46.2	
6.5	4.20	6.48	9.63	14.7	20.4	43.8	49.0	49.7	
6.6	4.50	6.60	9.80	15.1	20.7	44.4	48.0	49.2	
6.7					21.0	45.1	50.1		
6.8					21.4	46.5	50.3		
6.9					21.8	47.3	51.9		
7					22.2	48.6	52.1	55.4	
7.1					22.7	49.2	53.3	57.0	
7.2					23.2	49.7	54.0	58.6	
7.3					23.7	47.1	54.9	60.1	
7.4					24.1	47.9	55.8	61.1	
7.5					24.9	48.5	56.2	62.2	
7.6							57.5	64.8	
7.7							58.1	66.3	
7.8							58.1	67.8	
7.9							59.9	69.1	
8							60.7	70.9	
8.1							63.5	72.4	
8.2							65.2	73.8	

POS	DN	15	20	25	32	40	50	65	80
8.3								62.9	75.1
8.4								63.7	76.7
8.5								64.4	78.1
8.6								65.1	79.5
8.7								65.8	80.9
8.8								66.5	82.3
8.9								67.2	83.8
9								67.9	84.8
9.1								68.5	86.1
9.2								69.2	87.1
9.3								69.9	88.5
9.4								70.3	89.7
9.5								71.2	90.8
9.6								71.8	91.9
9.7								72.5	93.0
9.8								73.1	94.1
9.9								73.8	95.1
10								74.4	96.1
10.1								75.0	
10.2								75.6	
10.3								76.3	
10.4								76.7	
10.5								77.5	
10.6								78.1	
10.7								78.8	
10.8								79.4	
10.9								80.0	
11								80.6	
11.1								81.1	
11.2								81.7	

POS	DN	100	125	150	200
0.5					
0.6					
0.7					
0.8					
0.9					
1					
1.3					
1.2					
1.1					
1.4					
1.5	3.77	6.38	36.2	32.8	
1.6	4.19	6.88	37.1	34.2	
1.7	4.63	7.41	38.3	35.7	
1.8	5.14	8.1	39.2	36.8	
1.9	5.66	8.77	39.8	38.0	
2	6.22	11.3	20.4	43.3	
2.1	6.81	11.9	21.1	45.0	
2.2	7.46	12.5	21.8	44.5	
2.3	8.15	13.3	22.5	46.0	
2.4	8.84	14.1	23.1	47.5	
2.5	9.56	14.4	23.8	48.9	
2.6	10.3	15.3	24.4	50.1	
2.7	11.1	15.7	25.0	51.6	
2.8	11.9	16.4	25.6	52.9	
2.9	12.8	17.0	26.2	54.2	
3	13.4	17.7	26.7	55.6	
3.1	14.2	18.4	27.2	56.9	
3.2	14.9	19.0	27.9	58.1	
3.3	15.7	19.7	28.5	59.4	
3.4	16.5	20.4	29.0	60.7	
3.5	17.3	21.1	29.5	62.1	
3.6	18.1	21.8	30.2	63.4	
3.7	19.0	22.5	30.9	64.8	
3.8	19.9	23.2	31.5	66.3	
3.9	20.8	23.8	32.2	67.8	
4	21.8	24.6	33.0	69.3	

POS	DN	100	125	150	200
4.1	22.8	25.3	33.8	70.9	
4.2	23.9	26.0	34.6	72.5	
4.3	25.1	26.7	35.4	74.1	
4.4	26.3	27.4	36.3	76.0	
4.5	27.5	28.2	37.6	77.8	
4.6	29.0	28.9	38.2	79.8	
4.7	30.5	29.7	39.1	81.8	
4.8	32.1	30.5	40.2	83.8	
4.9	33.8	31.3	41.2	86.0	
5	35.7	32.3	42.3	88.1	
5.1	37.7	33.2	43.4	90.3	
5.2	39.8	34.1	44.5	92.6	
5.3	42.1	35.1	45.7	95.1	
5.4	44.6	36.1	46.9	97.6	
5.5	47.2	37.4	48	101	
5.6	50.0	38.7	49.3	105	
5.7	52.9	40.0	50.6	108	
5.8	55.9	41.5	51.9	109	
5.9	59.1	43.1	53.1	112	
6	62.4	44.9	54.5	115	
6.1	65.8	46.7	55.8	119	
6.2	69.2	48.6	57.2	122	
6.3	72.8	50.6	58.6	126	
6.4	76.5	52.4	60.1	129	
6.5	80.3	54.3	61.5	133	
6.6	84.1	56.3	62.9	137	
6.7	88.0	58.3	64.4	141	
6.8	92.2	60.2	66.2	145	
6.9	96.5	62.3	67.9	150	
7	101	64.5	69.8	154	
7.1	105	66.7	71.5	159	
7.2	110	69.4	73.4	164	

$$KV = f(POS)$$

$$\frac{KV}{10} = a \left(\frac{POS}{100} \right)^6 + b \left(\frac{POS}{100} \right)^5 + c \left(\frac{POS}{100} \right)^4 + d \left(\frac{POS}{100} \right)^3 + e \left(\frac{POS}{100} \right)^2 + f \left(\frac{POS}{100} \right) + g$$

Ref. 751 B / 750 B

Ref.	a	b	c	d	e	f	g
751 B DN15	0	8658711,395	-1457126,76	88790,4968	-2317,7283	29,302	-0,1112
751 B DN20	0	-118613,8992	-37263,7961	5543,5482	-347,9433	5,7152	-0,0048
751 B DN25	0	-5747336,385	956282,6297	-58562,5067	3832,9486	-18,4114	0,0999
751 B DN32	0	8249744,935	-1486390,445	95149,1103	-2296,7695	32,5768	-0,1172
751 B DN40	0	7243968,071	-1563112,183	123642,1223	-3909,8634	76,3894	-0,3075
751 B DN50	1299825346	-326754624,9	31685605,08	-1511512,375	38264,8882	-443,6943039	2,0572615
751 B DN65	0	8768284,292	-237275,668	218424,442	-7439,9565	129,97	-0,2277
751 B DN80	0	3833174,719	-1359556,467	162452,8235	-7034,1942	154,7671	-0,3434
751 B DN 100	0	29580607,08	-6883959,562	1183921,971	-63015,5623	1457,4780	-12,1097
751 B DN 125	0	22810001,48	-6018234,498	1286661,232	-79200,448	2180,995	-19,888
751 B DN 150	0	8702301,706	-4208312,503	722046,9589	-51665,2991	1624,5163	-14,9805
751 B DN 200	0	6738782,054	-3250254,955	536407,3429	-33746,3433	1002,0966	-6,13
750 B DN 250	0	47286042,56	-15627704,16	2000289,523	-118354,7983	3862,3086	-39,6184
750 B DN 300	0	1931578,232	-247801,7422	-24531,8984	13489,8068	-251,8548	12,2769
750 B DN 350	0	59775939,85	-19659112,79	2474754,589	-128894,4872	2682,0168	-24,8595
750 B DN 400	0	0	0	-62517,6139	28248,4075	-390,3001	24,7589

751 B - DN 200



$$KV_{10} = kv = 0 \times (0,120)^6 + 6738782 \times (0,120)^5 + (-3250254,955) \times (0,120)^4 + 536407,3497 \times (0,120)^3 + (-33746,3433) \times (0,120)^2 + 1002,0966 \times 0,120 + (-6,13) = 48,9$$

$$(KV = kv \times 10)$$

KV = 489





751 B - DN 200

KV = 489

kv = 489 : 10 = 48,9

$$\begin{aligned} POS_{100} = pos &= 0 \times (48,9)^6 + (6,28E-10) \times (48,9)^5 + (-1,41624E-07) \times (48,9)^4 \\ &+ (-1,25852E-5) \times (48,9)^3 + (-0,000525178) \times (48,9)^2 \\ &+ 0,011397628 \times 48,9 + (-0,018374074) = 0,120 \\ (POS = pos \times 100) \end{aligned}$$

POS = 12,0 😊

POS = f(KV)

$$\frac{POS}{100} = a \left(\frac{KV}{10} \right)^6 + b \left(\frac{KV}{10} \right)^5 + c \left(\frac{KV}{10} \right)^4 + d \left(\frac{KV}{10} \right)^3 + e \left(\frac{KV}{10} \right)^2 + f \left(\frac{KV}{10} \right) + g$$

Ref. 751 B / 750 B

Ref.	a	b	c	d	e	f	g
751 B DN15	0	31,63963158	-44,42417595	22,48029376	-5,105703491	0,650431189	-0,003566389
751 B DN20	0	1,352172734	-2,577850732	2,312138325	-1,066669715	0,322360876	-0,002026440
751 B DN25	0	0,262688838	-0,706049547	0,754528577	-0,427162965	0,181533889	-0,002163827
751 B DN32	0	0,043413824	-0,194339398	0,342292193	-0,283497489	0,34351286	-0,002436278
751 B DN40	0	-0,003769027	0,023037801	-0,045897537	0,026863881	0,0366674	-0,003109381
751 B DN50	0	0,000124797	-0,001691515	0,009340583	-0,026374756	0,0474639	-0,00094487
751 B DN65	0	3,02314E-05	-0,000688489	0,006193501	-0,026302451	0,061895269	-0,01563201
751 B DN80	0	5,68932E-06	-0,000183748	0,002346457	-0,014588667	0,050439546	-0,017607148
751 B DN100	0	3,30405E-07	-1,59697E-05	0,000338153	-0,003564667	0,020776712	-0,00621195
751 B DN125	0	1,32479E-07	-9,47779E-06	0,000271502	-0,003769577	0,026959463	-0,00658654
751 B DN150	0	1,8234E-08	-2,06941E-06	9,43402E-05	-0,002073568	0,02342804	-0,018936158
751 B DN200	0	6,28E-10	-1,41624E-07	1,25852E-05	-0,000525178	0,011397628	-0,018374074
750 B DN250	0	0	-1,07E-10	8,2566E-08	-1,78562E-05	0,000667827	0,006743206
750 B DN300	0	0	-6,58E-10	2,43285E-07	-3,32759E-05	0,000667827	-0,00665419
750 B DN350	0	0	0	8,839E-09	-4,81145E-06	0,00176813	0,007958504
750 B DN400	0	0	0	1,8E-11	-9,705E-09	0,000504989	0,003499837

1750



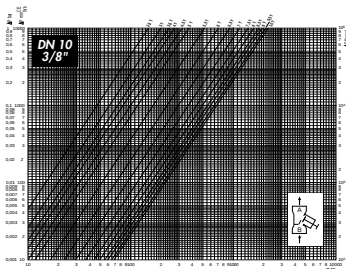
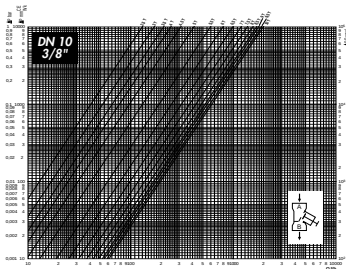
1751



1752



1753



Балансировочные клапана, бронзовые DZR

1750



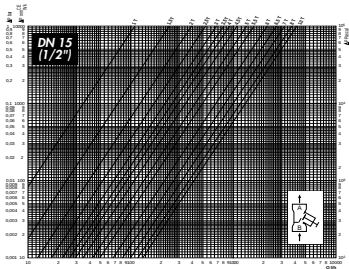
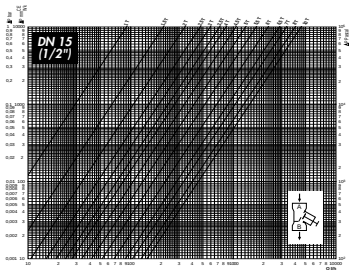
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1752



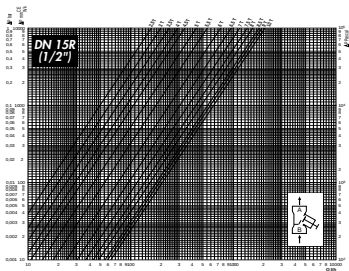
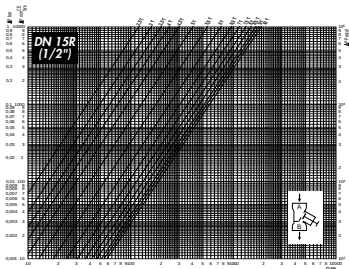
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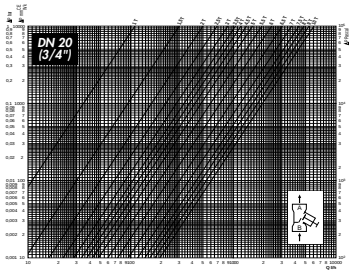
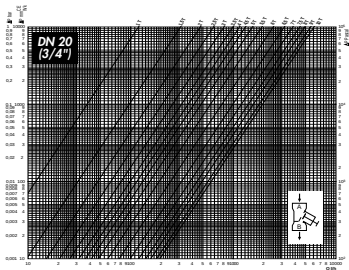
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1752



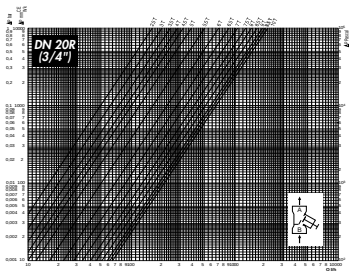
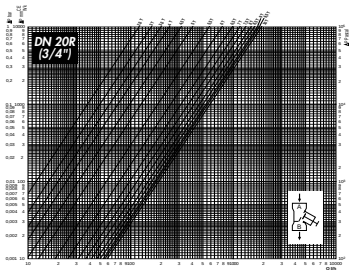
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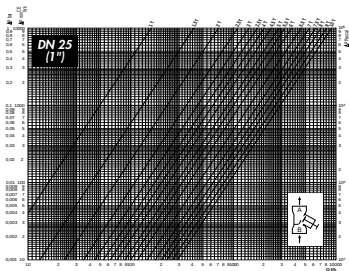
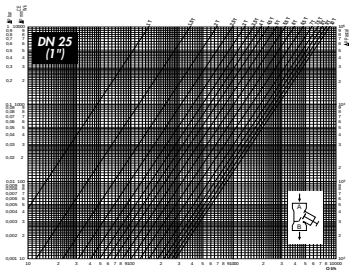
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1752



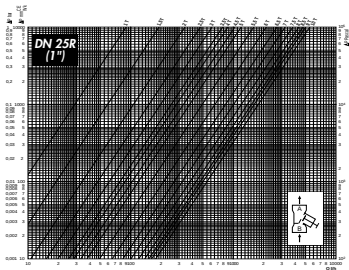
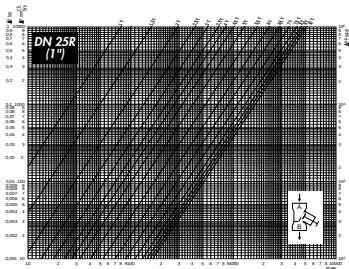
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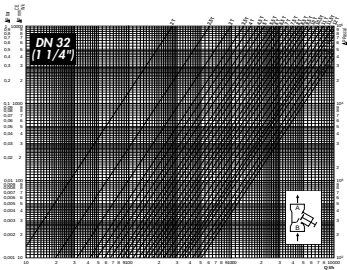
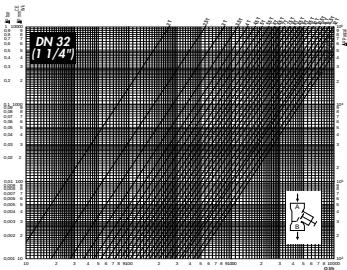
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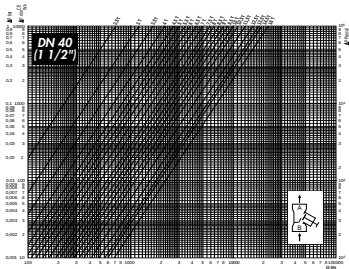
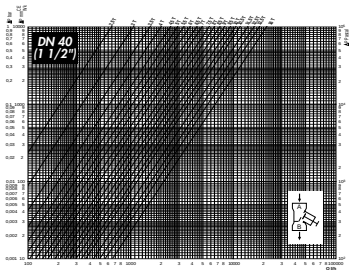
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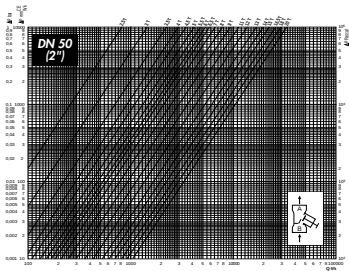
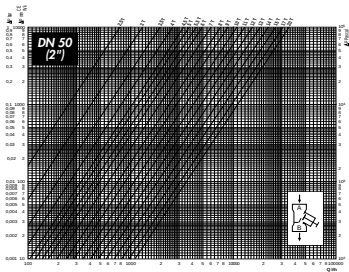
1751



1752



1753



Балансировочные клапана, бронзовые DZR

A → B

DN T	30 - (3/8")		15R - (1/2")		15 - (1/2")		20R - (3/4")		20 - (3/4")		25R - (1")		25 - (1")		32 - (1 1/4")		40 (1 1/2")		50 - (2")	
	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta
1					0,59	12691			0,12	22710	0,280	13418	0,35	18158						
2					0,34	2131			0,21	2651	0,560	1331	0,75	9585						
2,5	0,100	2256	0,120	1718	0,45	889	0,130	21710	0,47	1596	0,290	10209	0,47	1613	0,25	41886	0,29	96937		
3	0,170	1325	0,160	4015	0,58	295	0,160	13337	0,8	503	0,560	2758	1,38	524	0,85	24606	1,07	4180	1,31	7212
3,5	0,190	668	0,300	2570	0,77	738	0,300	9536	0,98	326	0,710	1700	1,58	344	1,15	19070	1,54	2019	1,96	9273
4	0,250	613	0,240	1785	0,85	342	0,240	5928	1,14	263	0,840	1217	1,89	280	1,40	1274	2	1197	2,58	1859
4,5	0,310	388	0,300	1142	1,05	93	0,300	3553	1,31	109	1,000	850	2,2	177	1,7	900	2,47	785	3,15	1247
5	0,410	228	0,400	642	1,35	60	0,400	2134	1,56	140	1,280	524	2,65	122	2,01	645	2,87	581	3,74	885
5,5	0,590	133	0,580	325	1,69	36	0,570	1051	1,82	91	1,710	259	3,27	86	2,31	480	3,29	462	4,17	661
6	0,720	81	0,720	189	2,2	21	0,720	576	2,48	56	2,260	166	3,89	67	2,64	374	3,79	329	4,82	589
6,5	0,950	39	0,950	114	2,83	13	0,950	361	3,17	34	2,450	106	4,72	39	3	269	4,4	228	5,47	434
7	1,180	28	1,120	81	3,36	9	1,120	258	3,8	24	3,480	71	5,71	26	3,35	232	4,85	204	6	344
7,5	1,370	20	1,310	59	3,74	7	1,310	196	4,43	17	4,100	51	6,64	19	3,74	186	5,69	148	6,63	280
8	1,550	16	1,500	46	4	6	1,500	152	4,9	14	4,560	42	7,23	16	4,12	153	6,62	116	7,34	230
8,5	1,680	14	1,640	38	4,26	4	1,620	131	5,16	12	4,710	39	7,67	15	4,6	123	7,24	90	8,03	187
9	1,770	12	1,750	34	4,17	5	1,720	115	5,66	11	4,890	36	7,98	13	4,98	105	8,14	72	8,83	155
10	1,830	10	1,810	30	4,06	6	1,780	102	6,01	9	5,150	32	8,46	11	6,31	95	8,65	43	10,77	129
10,5															7,15	51	11,62	35	11,75	80
11															7,97	41	12,46	31	12,89	74
11,5															8,84	33	13,74	25	14,15	62
12															9,93	27	14,88	22	15,59	53
12,5															10,81	22	16,08	19	17,14	42
13															11,43	20	17,01	17	18,4	37
13,5															11,99	18	18,01	15	19,61	31
14															12,55	17	18,82	14	20,12	28
14,5															13,28	15	19,54	13	21,22	23
15															13,91	13	20,14	12	22,22	18
15,5															14,48	12	20,70	11	23,7	16
16															14,97	12	21,2	11	24,25	15
16,5																				
17																				
17,5																				
18																				
18,5																				
19																				
19,5																				
20																				

B → A

DN T	30 - (3/8")		15R - (1/2")		15 - (1/2")		20R - (3/4")		20 - (3/4")		25R - (1")		25 - (1")		32 - (1 1/4")		40 (1 1/2")		50 - (2")	
	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta	Kv	Zeta
1					0,11	8695			0,11	20217	0,280	10586	0,34	13517						
2					0,24	1296			0,1	2584	0,560	2170	0,41	1507						
2,5	0,100	1700	0,160	4015	0,53	664	0,160	11337	0,68	518	0,570	2883	1,1	510	0,81	2502	0,81	9499	0,82	18406
3	0,200	927	0,300	2570	0,67	229	0,300	8536	0,88	441	0,620	2233	1,42	424	0,99	2468	1,2	2325	1,45	5886
3,5	0,240	665	0,240	1785	0,8	161	0,240	5928	1,04	316	0,770	1440	1,72	293	1,32	1495	1,66	1718	2,05	3445
4	0,270	525	0,290	1222	0,82	121	0,280	4355	1,19	241	0,870	1134	2,02	213	1,58	1044	2,19	998	2,83	1442
4,5	0,320	314	0,340	889	1,08	88	0,320	3134	1,33	191	1,010	809	2,15	155	1,86	753	2,63	650	3,48	1022
5	0,370	280	0,430	596	1,33	58	0,380	2364	1,53	146	1,180	617	2,81	109	2,12	590	3,03	502	4,47	712
5,5	0,502	142	0,510	349	1,58	49	0,502	1386	1,82	91	1,480	244	3,21	81	2,42	1,61	3,22	4,15	5,18	
6	0,710	78	0,740	180	2,14	22	0,680	738	2,39	60	2,120	191	3,76	61	2,29	395	3,85	322	5,45	448
6,5	0,950	45	0,950	114	2,83	15	0,970	451	3,06	36	2,670	120	4,54	40	3,16	261	4,37	251	5,76	371
7	1,180	29	1,140	79	3,39	10	1,070	288	3,72	25	3,260	81	5,4	29	3,54	208	5,07	186	6,56	275
7,5	1,380	20	1,310	56	3,51	8	1,270	212	4,37	18	3,620	59	6,1	22	3,99	164	5,95	135	7,34	241
8	1,550	15	1,500	40	3,68	8	1,470	198	4,81	15	4,310	46	7,04	17	4,42	153	6,68	114	7,78	204
8,5	1,790	12	1,780	32	3,8	7	1,680	124	5,14	11	4,680	39	7,67	15	4,83	112	7,21	90	8,65	189
9	1,840	10	1,820	28	3,82	7	1,850	100	5,48	11	5,050	34	8,43	13	5,23	95	7,98	75	9,36	144
10	1,890	8	1,890	25	4,06	6	1,900	87	5,8	9	5,410	30	8,73	12	5,46	91	8,98	66	10,75	118
10,5	2,210	4	2,050	34	4,34	6	2,100	77	6,01	9	5,500	28	9	11	5,83	75	9,50	48	10,88	105
11															6,85	56	11,10	39	10,63	93
11,5															7,84	42	11,89	34	11,29	87
12															8,9	33	13,03	28	12,48	79
12,5															9,79	27	14,31	23	13,72	66
13															10,69	23	15,65	20	15,18	57
13,5															11,72	19	16,78	17	16,64	44
14															12,63	16	17,90	15	18,18	37
14,5															13,5	14	18,82	14	18,69	32
15															14,4	13	19,64	12	21	28
15,5															15,2	11	20,43	11	20,39	25
16															15,76	10	21,20	11	21,65	22
16,5															16,25	10	21,82	10	21,9	20
17																				
17,5																				
18																				
18,5																				
19																				
19,5																				
20																				

$$KV_{10} = a \left(\frac{T}{100} \right)^6 + b \left(\frac{T}{100} \right)^5 + c \left(\frac{T}{100} \right)^4 + d \left(\frac{T}{100} \right)^3 + e \left(\frac{T}{100} \right)^2 + f \left(\frac{T}{100} \right) + g$$

Ref. 1750, 1751, 1752, 1753

A → B

Ref.	a	b	c	d	e	f	g
1750 DN 10 (3/8")	0	766690,4825	-243577,8362	28883,119	-1522,0666	37,7367	-0,339
1750 DN 15 (1/2")	32539866,44	-9918664,744	1118156,78	-57859,531	1451,9329	-14,2772	0,0539
1750 DN 15R (1/2")	-7512896,201	3282526,199	-579908,488	51672,1478	-2373,1292	53,894	-0,4636
1750 DN 20 (3/4")	37262739,36	-12033960,96	1454957,909	-81982,7732	2259,4542	-25,3358	0,1098
1750 DN 20R (3/4")	-5682831,3	2799633,62	-533862,7882	49788,2985	-2346,0599	54,1096	-0,4698
1750 DN 25 (1")	59814840,15	-19254579,04	2344859,503	-135419,2854	3901,7436	-46,9761	0,2111
1750 DN 25R (1")	44901187,81	-14109068,16	1677119,708	-93764,7993	2608,0132	-31,6324	0,1428
1750 DN 32 (1 1/4")	4090821,776	-2197772,647	453900,7055	-44889,7064	2245,0598	-47,8089	0,3842
1750 DN 40 (1 1/2")	2468666,049	-1254052,299	231018,5154	-18966,6296	759,4086	-5,8143	-0,0437
1750 DN 50 (2")	2900183,318	-1912116,059	477822,4405	-56874,7585	3421,9852	-87,0219	0,8483

B → A

Ref.	a	b	c	d	e	f	g
1750 DN 10 (3/8")	0	671270,9384	-227256,4899	28604,7869	-1625,0771	42,8637	-0,4063
1750 DN 15 (1/2")	38751679,05	-11853518,26	1356758,302	-72485,3617	1895,0661	-20,1045	0,0826
1750 DN 15R (1/2")	3577570,359	-1072000,885	97441,132	-1334,6783	-183,3672	8,6427	-0,0932
1750 DN 20 (3/4")	44620332,02	-14379934,59	1747275,705	-99713,6615	2782,4822	-31,9289	0,1372
1750 DN 20R (3/4")	-1004470,947	795030,1797	-203481,9883	23334,3013	-1269,0963	32,7833	-0,3032
1750 DN 25 (1")	43348678,95	-14562613,3	1855378,468	-112170,6343	3370,8259	-40,8483	0,1649
1750 DN 25R (1")	32340738,46	-10434301,68	1265390,683	-71546,4254	1985,6833	-22,9136	0,0997
1750 DN 32 (1 1/4")	1040517,897	-743112,3729	185967,827	-20879,1761	1138,2844	-22,5047	0,1683
1750 DN 40 (1 1/2")	1202957,444	-686858,4644	136275,9781	-12328,9793	531,7358	-1,9277	-0,0642
1750 DN 50 (2")	2003491,613	-1380715,83	361776,3514	-45145,0511	2813,8467	-70,1238	0,6732

1750 DN 15 (1/2") - A → B



$$\frac{KV}{10} = kv = 32539866,44 \times \left(\frac{9}{100} \right)^6 + (-9918664,744) \times \left(\frac{9}{100} \right)^5 + 1118156,78 \times \left(\frac{9}{100} \right)^4 + (-57859,531) \times \left(\frac{9}{100} \right)^3 + 1451,9329 \times \left(\frac{9}{100} \right)^2 + (-14,2772) \times \left(\frac{9}{100} \right) + 0,0539 = 0,43657$$

$$(KV = kv \times 10)$$

$$KV = 4,37$$



$$\frac{T}{100} = a \left(\frac{KV}{10} \right)^6 + b \left(\frac{KV}{10} \right)^5 + c \left(\frac{KV}{10} \right)^4 + d \left(\frac{KV}{10} \right)^3 + e \left(\frac{KV}{10} \right)^2 + f \left(\frac{KV}{10} \right) + g$$

Ref. 1750, 1751, 1752, 1753

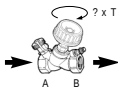
A → B

Ref.	a	b	c	d	e	f	g
1750 DN 10 (3/8")	0	2633,542005	-1592,292986	374,3505175	-41,7155299	2,403648657	2,782926E-05
1750 DN 15 (1/2")	339,99563	-452,88221	228,16053	-51,4245	4,08222	0,28371	0,00732
1750 DN 15R (1/2")	-3652,70793	6961,65396	-3060,80027	580,66076	-54,33023	2,69727	-0,0009
1750 DN 20 (3/4")	56,8878952	-306,5883971	76,0841047	-24,7177503	3,0796275	0,1581206	0,0077631
1750 DN 20R (3/4")	-34226,10452	17945,07842	-5269,54541	791,55878	-64,02554	2,6884	-0,00215
1750 DN 25 (1")	-0,3429088	-0,1833338	0,9490255	-0,8320611	0,0713692	0,1834468	0,0075645
1750 DN 25R (1")	86,5990517	-122,5672656	63,0946571	-12,3887202	-0,2655852	0,470424	0,0067233
1750 DN 32 (1" 1/4")	0,0326484	-0,2416157	0,6121307	-0,627934	0,1769522	0,1525618	0,0161463
1750 DN 40 (1" 1/2")	0,0179095	-0,1144035	0,2761494	-0,2894086	0,0803823	0,1106443	0,0170901
1750 DN 50 (2")	0,0003261	-0,0041596	0,0211701	-0,0468041	0,0241954	0,0832059	0,0183994

B → A

Ref.	a	b	c	d	e	f	g
1750 DN 10 (3/8")	-6929,68901	8627,57411	-3399,21038	586,37979	-57,73893	3,09967	-0,01162
1750 DN 15 (1/2")	107,95377	-168,30673	107,41938	-31,05962	3,15048	0,25106	0,00705
1750 DN 15R (1/2")	5359,81798	-182,50578	-1251,90383	367,12016	-44,25352	2,67803	-0,00826
1750 DN 20 (3/4")	43,7809507	-69,9544263	70,7905258	-25,5701633	3,739281	0,0753958	0,006225
1750 DN 20R (3/4")	-10747,9917	9944,96452	-3597,01908	605,32832	-63,46732	3,33647	-0,00547
1750 DN 25 (1")	-0,4112790	0,4956086	0,4996213	-0,8332941	0,2075032	0,1436097	0,0082262
1750 DN 25R (1")	92,8579513	-356,9803134	97,3639558	-26,2053142	2,1247789	0,3093096	0,0074698
1750 DN 32 (1" 1/4")	0,062593	-0,356301	0,8030508	-0,8310863	0,3130682	0,1143682	0,0168022
1750 DN 40 (1" 1/2")	0,0084296	-0,0569451	0,1474436	-0,1663721	0,0396698	0,1139491	0,0162472
1750 DN 50 (2")	0,0006453	-0,0089433	0,0482929	-0,1200346	0,121375	0,0333955	0,0224197

1750 DN 15 (1/2") - A → B



KV = 4,37

$$\frac{T}{100} = t = 339,99563 \times \left(\frac{4,37}{10} \right)^6 + (-452,88221) \times \left(\frac{4,37}{10} \right)^5 + 228,16053 \times \left(\frac{4,37}{10} \right)^4 + (-51,4245) \times \left(\frac{4,37}{10} \right)^3 + 4,08222 \times \left(\frac{4,37}{10} \right)^2 + 0,28371 \times \left(\frac{4,37}{10} \right) + 0,00732 = 0,094$$

(T = t x 100)

T = 9





Δp bar

Δp mm CE

Q_v mm³/WK

