

ART 28DP

PN25 - DPCV Partner Valve



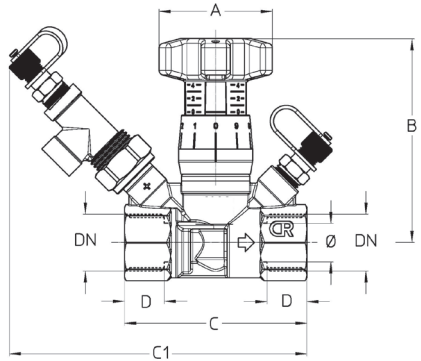
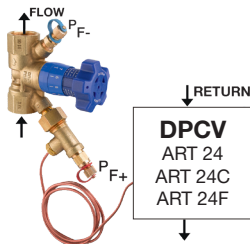
Features

- BSP Parallel (ISO 7/1)
 - Variable orifice double regulating valve
 - Impulse tube connection point for ART 24 DPCV
 - Supplied as shown with fitting and measuring nipples
 - Handwheel shut-off function and clear 360° reading
 - Allen key locking mechanism enabling valve to be closed and re-opened to its exact pre-set position
 - Conforms to BS 7350 / BS 5154
 - System ΔP is measured from PF- to P+
- System flow may be adjusted on ART 28DP whilst measuring ΔP from PF+ to PF-



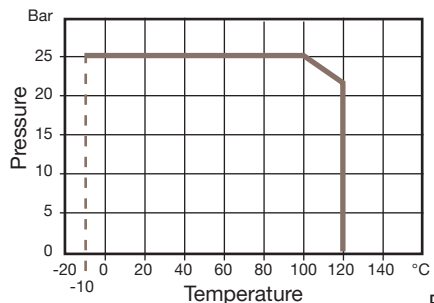
Technical data

Max pressure: 25 Bar
Working temp: -10°C to +120°C



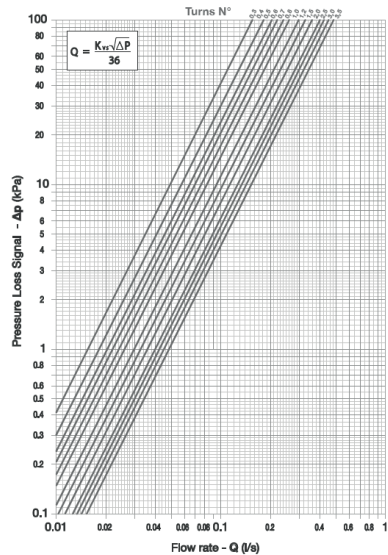
DN	15	20	25	32	40	50
A	50	50	50	50	50	50
B	87.5	89.5	91.5	99.0	99.0	100.0
C	77	80	87	108	115	124
C1	139	140	142	157	163	166
D	17.0	18.5	21.0	22.5	23.0	26.5
CH	25	31	38	48	55	66
Thread	1/2" Rp	3/4" Rp	1" Rp	1 1/4" Rp	1 1/2" Rp	2" Rp
Kv	0.42-1.75	0.44-2.87	0.52-4.08	0.7-6.71	0.82-10.40	1.14-15.06
Kgs	0.50	0.56	0.63	1.05	1.24	1.47

Part Name	Materials
Body	DZR Brass CW602N-M
Bonnet	DZR Brass CW602N-M
Stem	DZR Brass CW602N-M
Gasket	EPDM
Shutter	DZR Brass CW602N-M
Handwheel	Nylon 6
Screw	DZR Brass CW602N-M
O-Ring	EPDM
Binder Point	DZR Brass CW602N-M
O-Ring	EPDM



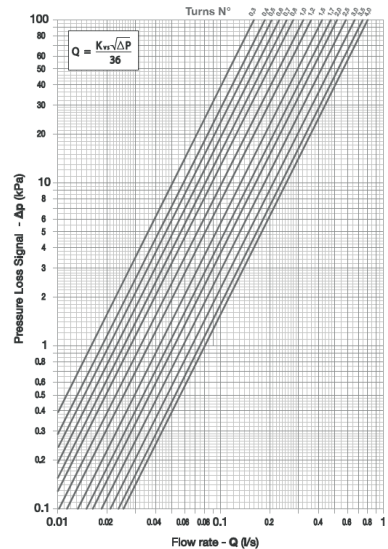
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DN15

Kv-Kvs (Flow rate in m³/h @ 1 bar pressure drop)										
Full turns	Tenths of a turn									
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	-	-	0.42	0.56	0.65	0.71	0.79	0.86	0.94	1.01
1	1.07	1.12	1.17	1.22	1.25	1.28	1.31	1.34	1.37	1.41
2	1.44	1.46	1.49	1.50	1.51	1.53	1.55	1.58	1.60	1.62
3	1.64	1.65	1.66	1.68	1.69	1.70	1.71	1.72	1.73	1.74
4	1.75									

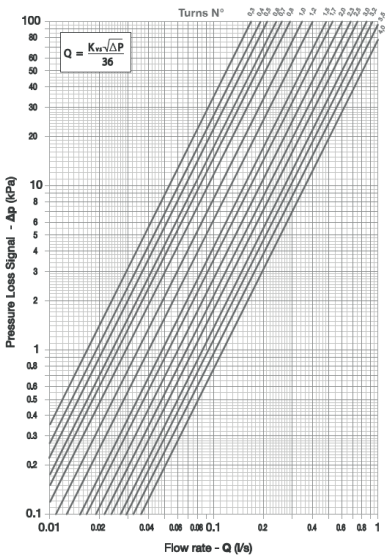


DN20

Kv-Kvs (Flow rate in m³/h @ 1 bar pressure drop)										
Full turns		Tenths of a turn								
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	-	-	0.44	0.56	0.67	0.74	0.82	0.91	1.00	1.08
1	1.16	1.24	1.31	1.38	1.44	1.52	1.62	1.70	1.77	1.83
2	1.89	1.94	1.99	2.04	2.09	2.13	2.18	2.22	2.29	2.35
3	2.42	2.47	2.53	2.59	2.65	2.71	2.74	2.77	2.80	2.84
4	2.87									

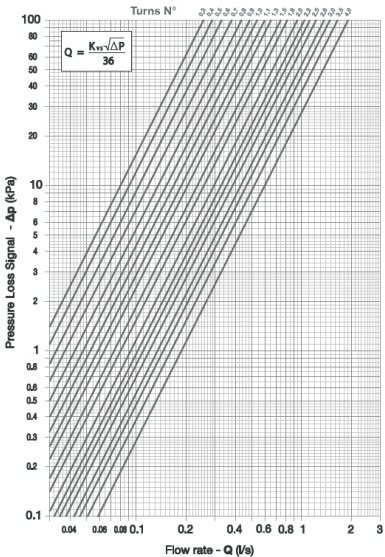
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DN25

Kv-Kvs (Flow rate in m³/h @ 1 bar pressure drop)										
Full turns	Tenths of a turn									
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	-	-	0.52	0.61	0.69	0.76	0.86	0.94	1.05	1.15
1	1.25	1.35	1.46	1.55	1.64	1.74	1.83	1.92	1.99	2.06
2	2.15	2.22	2.33	2.45	2.59	2.69	2.70	2.72	2.82	2.94
3	3.08	3.20	3.34	3.46	3.58	3.67	3.75	3.87	3.95	4.03
4	4.08									

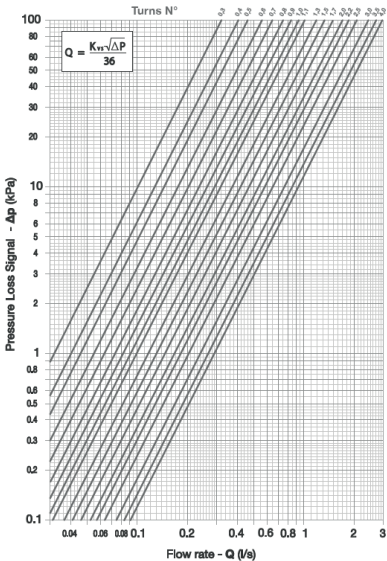


DN32

Kv-Kvs (Flow rate in m³/h @ 1 bar pressure drop)										
Full turns	Tenths of a turn									
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	-	-	0.70	0.92	1.03	1.17	1.35	1.53	1.71	1.90
1	2.11	2.31	2.47	2.63	2.74	2.87	3.00	3.16	3.31	3.48
2	3.64	3.76	3.92	4.02	4.17	4.29	4.42	4.60	4.82	5.01
3	5.17	5.29	5.53	5.66	5.79	5.81	5.99	6.01	6.19	6.37
4	6.71									

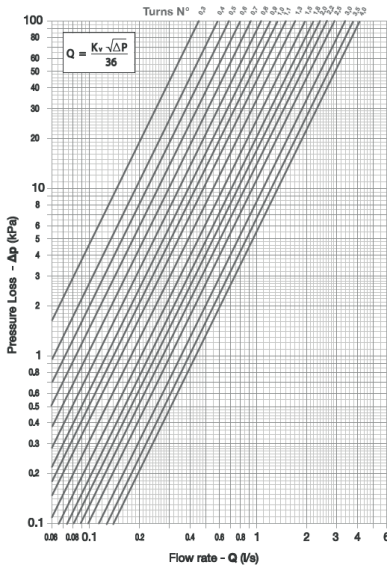
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DN40

Kv-Kvs (Flow rate in m³/h @ 1 bar pressure drop)										
Full turns	Tenths of a turn									
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	-	-	0.82	1.15	1.45	1.65	1.97	2.28	2.63	2.93
1	3.25	3.57	3.88	4.16	4.37	4.67	4.96	5.19	5.47	5.69
2	5.96	6.24	6.51	6.75	6.99	7.26	7.47	7.69	7.91	8.16
3	8.45	8.66	8.84	9.05	9.26	9.51	9.69	9.92	10.10	10.28
4	10.40									



DN50

Kv-Kvs (Flow rate in m³/h @ 1 bar pressure drop)										
Full turns	Tenths of a turn									
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	-	-	1.14	1.63	2.11	2.42	2.88	3.34	3.88	4.38
1	4.80	5.33	5.76	6.13	6.55	7.01	7.30	7.64	7.92	8.34
2	8.75	9.17	9.57	9.96	10.34	10.58	10.93	11.29	11.60	11.90
3	12.19	12.48	12.85	13.15	13.44	13.66	13.94	14.28	14.56	14.84
4	15.06									