

The Twin Disc of the Dynaxe valve is the result of intensive Wouter Witzel research and development.
It is especially designed to optimize the flow characteristics of fluid handling systems.

ISOLATING VALVES (ON-OFF)

DYNAXE TYPES W201 / L201 / F131 FULL RATING CLASS 150 (20 BAR)

Flow coefficient – at fully open valve position		
DN	NPS	K _v [m³/h] at Δp = 1 bar (acc. EN 1267)
50	2"	73
65	2½"	88
80	3"	135
100	4"	360
125	5"	657
150	6"	1342
200	8"	2347
250	10"	3895
300	12"	6175
350	14"	6631
400	16"	9768
450	18"	11719
500	20"	16566
600	24"	22226

Note: C_v = 1.16 x K_v.

Flow coefficient – at different opening angles								
DN	NPS	K _v [m³/h] at Δp = 1 bar (acc. EN 1267)						
		20°	30°	40°	50°	60°	70°	80°
50	2"	9	15	32	39	52	62	69
65	2½"	10	18	34	56	75	87	93
80	3"	14	29	50	79	104	125	142
100	4"	25	57	99	155	215	280	354
125	5"	43	93	155	238	345	469	608
150	6"	67	124	196	315	496	743	1074
200	8"	146	263	438	698	1058	1516	2094
250	10"	253	445	711	1051	1492	2075	3003
300	12"	364	654	1044	1568	2256	3216	4773
350	14"	438	763	1204	1784	2518	3557	5236
400	16"	523	936	1535	2354	3434	4983	7442
450	18"	684	1201	1934	2836	4056	5957	8689
500	20"	717	1335	2239	3502	5279	7650	12162
600	24"	1320	2279	3578	5317	7625	11144	16414

Note: C_v = 1.16 x K_v.

The above tables are applicable for standard executed valves in (stainless) steel and aluminium bronze but could be different for special materials like titanium, (super)duplex. Please consult with Wouter Witzel for more info.

REGULATING VALVES

The sizing of regulating valves requires detailed calculations for each case, taking into account e.g. noise and cavitation.

Please ask Wouter Witzel for advice or ask for our special Technical data sheet for the selection and sizing of butterfly valves for control applications.