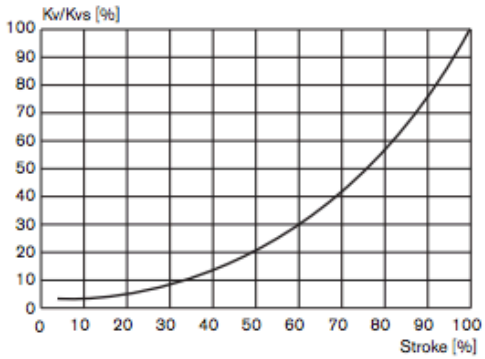
Technical data Type 2301 Globe Control Valve, continued

Kvs values

Port size (tube)		Actuator size	Orifice (seat) [mm]												
[mm]	[inch]	[mm]	04	06	08	10	15	20	25	32	40	50	65	80	100
10	3/8"	50-70	0.5	1.2	2.0	2.7	–	–	–	–	–	–	–	–	–
15	1/2"	50-70	0.5	1.2	2.1	3.1	4.3	–	–	–	–	–	–	–	–
20	3/4"	50-70	–	–	–	3.2	5.2	7.1	–	–	–	–	–	–	–
25	1"	50-70-90	–	–	–	–	5.3	7.2	12.0	–	–	–	–	–	–
32	1 1/4"	90	–	–	–	–	–	5.5	9.9	13.4	–	–	–	–	–
		130	–	–	–	–	–	8	13	17.8	–	–	–	–	–
40	1 1/2"	90	–	–	–	–	–	–	10.3	14.4	17.5	–	–	–	–
		130	–	–	–	–	–	–	13.6	20.2	23.8	–	–	–	–
50	2"	90	–	–	–	–	–	–	–	15.3	18	28	–	–	–
		130	–	–	–	–	–	–	–	21.0	24.6	37.0	–	–	–
65	2 1/2"	130	–	–	–	–	–	–	–	–	29	45	65	–	–
80	3"	130	–	–	–	–	–	–	–	–	–	45	73	100	–
100	4"	130	–	–	–	–	–	–	–	–	–	–	77	110	140

Flow curve and description



For detailed values please see table on next page

Remarks on the flow characteristic

- Equipercentile parabolic plug for the orifices DN8 to DN100
- Linear plug for the orifices DN4 and DN6
- Flow characteristic runs within DIN/IEC 534-2-4
- Theoretical control ratio (Kvs/Kvo):
  50:1 for the orifices DN8 to DN100 25:1 for the orifice DN6
  10:1 for the orifice DN4
- KVR value at 5% of stroke for DN > 10 mm
  KVR value at 10% of stroke for DN ≤ 10 mm

(KVR value = smallest Kv value at which the gradient tolerance to DIN/IEC 534-2-4 is still complied with)

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