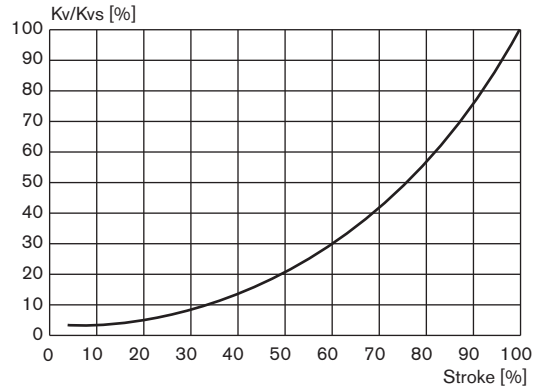
Technical data, continued

Technical data		
Port connections		
Threaded port	G	▪ DIN ISO 228 T1
	NPT	▪ ASA B2.1
	Rc	▪ ISO 7
Mounting position		Any, preferably upright

Kvs values

Port size (tube) ISO, DIN [mm]	Actuator size [mm]	Orifice DN (seat) [mm] 04	06	08	10	15	20	25	32	40	50	65
10	80	0.5	1.2	2.0	2.7	–	–	–	–	–	–	–
15	80	0.5	1.2	2.1	3.1	4.3	–	–	–	–	–	–
20	80	–	–	–	3.2	5.2	7.1	–	–	–	–	–
25	80	–	–	–	–	5.3	7.2	12.0	–	–	–	–
32	100	–	–	–	–	–	8.0	13.0	17.8	–	–	–
40	100	–	–	–	–	–	–	13.6	20.2	23.8	–	–
50	125	–	–	–	–	–	–	–	21.0	24.6	37.0	–
65	125	–	–	–	–	–	–	–	–	17.5	26.0	52.0
	175	–	–	–	–	–	–	–	–	25.5	39.5	62.0

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...DN65
- 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...DN65
  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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Technical data, continued

Kvs values [m³/h]

Port size (tube)		Orifice (seat)		Actuator size	Stroke [%]										
[mm]	[inch]	[mm]	[inch]	[mm]	5	10	20	30	40	50	60	70	80	90	100
10	3/8"	4	1/8"	80	0.04	0.05	0.10	0.16	0.22	0.27	0.32	0.36	0.40	0.44	0.50
		6	3/16"	80	0.05	0.12	0.32	0.48	0.62	0.76	0.88	0.98	1.07	1.13	1.20
		8	1/4"	80	0.06	0.07	0.09	0.12	0.18	0.26	0.42	0.61	0.92	1.50	2.00
		10	3/8"	80	0.09	0.11	0.13	0.19	0.30	0.48	0.73	1.00	1.60	2.3	2.7
15	1/2"	4	1/8"	80	0.04	0.05	0.10	0.16	0.22	0.27	0.32	0.36	0.40	0.44	0.50
		6	3/16"	80	0.05	0.12	0.32	0.48	0.62	0.76	0.88	0.98	1.07	1.13	1.20
		8	1/4"	80	0.07	0.08	0.11	0.13	0.19	0.27	0.43	0.63	0.95	1.60	2.1
		10	3/8"	80	0.09	0.11	0.15	0.19	0.31	0.49	0.75	1.10	1.70	2.5	3.1
		15	1/2"	80	0.14	0.17	0.22	0.35	0.52	0.80	1.20	1.80	2.7	3.7	4.3
20	3/4"	10	3/8"	80	0.11	0.12	0.16	0.20	0.33	0.52	0.77	1.20	1.8	2.6	3.2
		15	1/2"	80	0.14	0.17	0.22	0.35	0.52	0.80	1.20	1.80	2.9	4.0	5.2
		20	3/4"	80	0.20	0.25	0.30	0.45	0.70	1.10	1.60	2.4	3.5	5.2	7.1
25	1"	15	1/2"	80	0.14	0.17	0.22	0.35	0.52	0.80	1.20	1.80	2.9	4.1	5.3
		20	3/4"	80	0.20	0.25	0.31	0.47	0.70	1.10	1.60	2.5	3.8	5.4	7.2
		25	1"	80	0.35	0.38	0.65	1.00	1.50	2.2	3.4	5.1	7.0	9.4	12.0
32	1 1/4"	20	3/4"	100	0.22	0.25	0.35	0.50	0.75	1.10	1.60	2.5	3.8	5.8	8.0
		25	1"	100	0.40	0.47	0.73	1.10	1.60	2.5	3.7	5.4	7.5	10.3	13.0
		32	1 1/4"	100	0.48	0.60	0.85	1.30	2.1	3.1	4.5	6.8	10.2	14.0	17.8
40	1 1/2"	25	1"	100	0.40	0.50	0.75	1.10	1.70	2.6	3.8	5.6	8.0	10.7	13.6
		32	1 1/4"	100	0.48	0.60	0.85	1.30	2.1	3.2	4.6	6.9	11.0	15.0	20.2
		40	1 1/2"	100	0.60	0.70	1.10	1.70	2.7	4.0	6.0	9.2	13.8	18.2	23.8
50	2"	32	1 1/4"	125	0.48	0.60	0.90	1.30	2.1	3.2	4.6	6.9	11.6	16.0	21.0
		40	1 1/2"	125	0.60	0.70	1.00	1.70	2.6	4.0	5.9	9.2	14.0	18.9	24.6
		50	2"	125	0.90	1.10	1.90	2.9	4.5	6.8	10.5	15.5	22.0	29.3	37.0
65	2 1/2"	40	1 1/2"	125	0.45	0.65	0.95	1.30	1.90	2.8	4.00	5.50	7.8	11.7	17.5
		50	2"	125	0.70	1.00	1.60	2.4	3.5	4.9	6.90	9.80	14.1	19.9	26.0
		65	2 1/2"	125	0.80	1.30	2.1	3.2	5.5	9.1	14.7	24.5	37.6	45.6	52.0
		40	1 1/2"	175	0.45	0.55	0.85	1.30	2.0	3.1	4.60	6.80	10.7	17.2	25.5
		50	2"	175	0.75	0.90	1.50	2.3	3.5	4.9	7.1	11.0	17.5	26.0	39.5
		65	2 1/2"	175	1.10	1.40	2.1	3.2	4.9	8.0	12.0	18.5	31.5	46.5	62.0

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