Measurement Control Systems
1331 South Lyon Street, Santa Ana, CA 92705 | (844)-263-7592 | www.mcsmeters.com

Imperial and Metric Technical Data

Technical Data	Units	8C175*	11C175*	15C175*	2M175*	3M175*	5M175*	7M175	11M175	16M175	23M175	23M232
Base Rating (Q Max.)	acfh	800	1100	1500	2000	3000	5000	7000	11000	16000	23000	23000
	m^3/h	22,6	31,0	42,5	56,6	85,0	141,5	200,0	310,0	450,0	650,0	650,0
Max. Operating Pressure (MAOP)[1]	psig	175	175	175	175	175	175	175	175	175	175	232
	kPa	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1600
Rangeability +/- 1%	ratio	26:1	31:1	40:1	68:1	76:1	120:1	67:1	124:1	116:1	40:1	169:1
Start Rate	cfh	2.8	2.3	1.9	1.01	2.1	1.2	5.3	3.9	3.2	23	10.33
	m^3/h	0,0790	0,0651	0,0549	0,0538	0,0595	0,0340	0,1509	0,1099	0,0917	0,6513	0,2926
Stop Rate	cfh	2	1.7	1.6	0.82	1.8	0.8	3.4	3.2	1.9	18	5.75
	m^3/h	0,0575	0,0493	0,0445	0,0311	0,0510	0,0227	0,096	0,0915	0,0535	0,5097	0,1628
Avg. Differential, 100% Flow	in. w.c.	0.5	0.6	0.8	0.7	1.1	1.1	1.6	1.6	2.1	1.3	2.08
	mbar	1,1	1,5	1,9	1,6	2,6	2,6	4,0	4,0	5,2	3,1	5,18
Drive Rate CTR, CD	cf/rev	10	10	10	10	10	10	10	10	100	100	100
	m^3/rev	0,1	0,1	0,1	0,1	0,1	1	1	1	1	1	1
Drive Rate TC, TD	cf/rev	100	100	100	100	100	100	100	100	1000	N/A	N/A
	m^3/rev	1	1	1	1	1	10	10	10	10	N/A	N/A
Nominal Pipe Size	in.	2	2	2	2	2	3	3	4	4	6	4
	mm	50	50	50	50	50	80	80	100	100	150	100
Flange-to-Flange	in.	6-3/4	6-3/4	6-3/4	6-3/4	6-3/44	6-3/4	9/-1/2	9-1/2	9-1/2	16	9-1/2
	mm	172	172	172	172	172	172	241	241	241	406,4	241
Flange Connection	ANSI	150#FF	150#FF	150#FF	150#FF	150#FF	150#FF	150#FF	150#FF	150#FF	150#FF	150FF
Net Weight - CTR Version	lbs.	18	22	24	26	29	35	52	60	85	202	100
	kg	8,2	10,0	10,9	11,8	13,2	15,9	23,6	27,2	38,6	91,6	45,4

Technical Data	Units	38M175	56M175	102M125	1M300	1M740	1M1480	3M300	3M1480	5M1480	7M1480	11M1480
Base Rating (Q Max.)	acfh	38000	56000	102000	1000	1000	1000	3000	3000	5000	7000	11000
	m^3/h	1050,0	1575,0	2875,0	28,3	65,0	65,0	85,0	85,0	141,5	200,0	310
Max. Operating Pressure (MAOP)[1]	psig	175	175	125	300	740	1480	300	1480	1480	1480	1480
	kPa	1200	1200	860	2065	5100	10200	2065	10200	10200	10200	10204
Start Rate	cfh	27	40	120	1.9	2.5	2.5	2.1	3	7.6	5.8	12.83
	m^3/h	0,7646	11,327	33,980	0,0538	0,0708	0,0708	0,0595	0,0850	0,133	0,1642	0,363
Stop Rate	cfh	20	29	110	1.1	2	2	1.8	2.5	4.6	4.6	4.65
	m^3/h	0,5663	0,0283	31,149	0,0311	0,0566	0,0566	0,0510	0,0708	0,057	0,1303	0,132
Avg. Differential, 100% Flow	in. w.c.	1.9	2.2	2	0.2	0.4	0.3	1	1.35	0.9	2	1.04
	mbar	4,7	5,5	5,0	0,5	1,0	0,7	2,5	3,4	2,24	4,26	0,029
Drive Rate CTR, CD	cf/rev	100	100	100	10	10	10	10	10	10	10	10
	m^3/rev	1	10	10	0,1	0,1	0,1	0,1	0,1	1	1	N/A
Drive Rate TC, TD	cf/rev	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	m^3/rev	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nominal Pipe Size	in.	6	8	10	1-1/2	2	2	2	2	3	3	4
	mm	150	200	250	40	50	50	50	50	80	80	100
Flange-to-Flange	in.	18	21	28	6-3/4	10-3/4	10-3/4	6-3/4	10-3/4	14-3/4	14-3/4	14-3/4
	mm	457,2	533,4	711,2	172	273	273	172	273	374,65	374,65	374,65
Flange Connection	ANSI	150#FF	150#FF	125#FF	300#FF	300#RF	600#RF	300#FF	600#RF	600#RF	600#RF	600#RF
Net Weight - CTR Version	lbs.	244	284	2390	26.5	107	107	29	107	215	220	277
	kg	110,7	128,8	1084,1	12,0	48,5	48,5	13,2	48,5	97,52	99,79	125,65

[1] Available with 200 PSIG Rating.

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