

## Diaphragm and Rotary Meter Capacities

Service Line Pressure		Low		Medium, 60 PSI, or High Pressure			
Nominal Meter Pressure		7" W.C.	7" W.C.	2 psi	3 1/3 psi	7 3/4 psi	10 3/4 psi
Meter Pressure (manometer)		7" W.C.	7" W.C.	3.8" Hg	6.8" Hg	15.8" Hg	21.5" Hg
Meter Pressure (psig)		0.25	0.25	1.87	3.34	7.76	10.71
Correction Factor		1	1	1.1	1.2	1.5	1.7
Diaphragm Meters	Size	Capacity (CFH)					
Am, Rock, Spr, Schl	175	175	175	225	N/A	N/A	N/A
American	225	225	225	275	N/A	N/A	N/A
Am, Rock, Spr, Schl	250	250	250	300	N/A	N/A	N/A
Rockwell	310	310	310	360	N/A	N/A	N/A
Spr, Schlumberger	400	400	600	960	1030	N/A	N/A
Rockwell	415	415	600	960	1030	N/A	N/A
American	425	425	600	960	1030	N/A	N/A
Spr, Schlumberger	675	675	900	1420	1530	1790	1970
Rockwell	750	750	1150	1820	1950	2290	2530
Am, Rockwell	800	800	1200	1820	1950	2290	2530
Am, Rock, Spr, Schl	1000	1000	2200	2350	2530	2970	3270
American	80B	1200	2500	2670	2870	3370	3720
American	AL1400	1400	3000	3210	3450	4050	4470
Rockwell	3000	1450	3000	3210	3450	4050	4470
American	AL2300	2300	5000	5350	5750	6750	7450
Rockwell	5000	2500	5000	5350	5750	6750	7450
American	250B	3000	6000	6420	6900	8100	8940
American	AL5000	5000	11000	11770	12650	14850	16390
American	500B	4800	10000	10700	11500	13500	14900
Rockwell	10000	5000	10000	10700	11500	13500	14900

Rotary Meters	Size	Capacity (CFH)					
Roots	3M	3000	3000	3300	3600	4500	5100
Romet	RM3000	3000	3000	3300	3600	4500	5100
Roots	5M	5000	5000	5500	6000	7500	8500
Romet	RM5000	5000	5000	5500	6000	7500	8500
Roots	7M	7000	7000	7700	8400	10500	11900
Romet	RM7000	7000	7000	7700	8400	10500	11900
Roots	11M	11000	11000	12100	13200	16500	18700
Romet	RM11000	11000	11000	12100	13200	16500	18700
Roots	16M	16000	16000	17600	19200	24000	27200
Romet	RM16000	16000	16000	17600	19200	24000	27200
Romet	RM20000	20000	20000	22000	24000	30000	34000
Romet	RM23000	23000	23000	25300	27600	34500	39100

Rotary Meters can be sized so that for a short term operation (4 hours out of 24), the meter can operate at 1.2 times the capacity in this table.