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PSB TYPE SV, SR & SRD - NATURAL GAS DRYERS FLOW RATES (SCFM) AT VARIOUS OPERATING PRESSURES

Note: Flow rates in bold/italic font will yield reduced drying time (~100 to ~150 hours)

Model PSIG	5.0-1.5 <i>P~ 5 psi</i>	6.5-2 <i>P~ 5 psi</i>	10-2 <i>P~ 5 psi</i>	10-3 <i>P~ 5 psi</i>	15-3 <i>P~ 5 psi</i>	15-4 <i>P~ 5 psi</i>	21-3 <i>P~ 5 psi</i>	21-4 <i>P~ 5 psi</i>	21-6 <i>P~ 6 psi</i>	Model PSIG
10	95	160	160	345	345	410	345	600	1300	10
20	145	240	240	525	525	615	525	900	1900	20
30	190	310	310	650	650	800	650	1200	2200	30
40	240	395	395	800	800	1025	800	1500	2500	40
50	290	470	470	950	950	1200	950	1700	2725	50
60	330	545	545	1050	1050	1400	1100	1900	2940	60
70	380	615	615	1150	1150	1600	1250	2000	3135	70
80	420	690	690	1250	1250	1800	1400	2100	3320	80
90	470	730	760	1325	1300	2000	1550	2200	3500	90
100	510	765	820	1375	1400	2160	1700	2300	↓	100
110	535	805	860	1450	1500	2275	1800	2400	↓	110
120	555	840	900	1525	1600	2385	1900	2500	↓	120
130	580	875	935	1575	1700	2495	2000	2600	↓	130
140	595	905	970	1650	1800	↓	2100	2700	↓	140
150	620	935	1005	↓	1900	↓	2200	2800	↓	150
160	645	970	1040	↓	2000	↓	2300	2900	↓	160
170	665	1000	1070	↓	2100	↓	2400	3000	↓	170
180	680	1030	1100	↓	2200	↓	2500	3100	↓	180
190	700	1055	1135	↓	2300	↓	2590	3200	↓	190
200	720	1085	1165	↓	2420	↓	2665	3300	↓	200
220	750	↓	1220	↓	↓	↓	2800	3480	↓	220
240	790	↓	1275	↓	↓	↓	2935	↓	↓	240
260	825	↓	1330	↓	↓	↓	3065	↓	↓	260
270	↓	↓	1355	↓	↓	↓	3125	↓	↓	270

EXAMPLE

WHAT IS DRYER CAPACITY (HOURS OF RUN TIME PRIOR TO REGENERATION)?

APPLICATION: 800 SCFM AT 40 PSIG

CAPACITY AND ΔP OPTIONS BELOW

	HRS/TOWER @ 7 LB H2O/MMSCF	HRS/TOWER @ 30 LB H2O/MMSCF	Dryer ΔP PSID
Model 10-3: 10 MMSCF/(800 SCFM X 60 MIN/HR) =	208	62	5
Model 15-3: 15 MMSCF/(800 SCFM X 60 MIN/HR) =	313	94	4
Model 15-4: 15 MMSCF/(800 SCFM X 60 MIN/HR) =	313	94	3.5
Model 21-3: 21 MMSCF/(800 SCFM X 60 MIN/HR) =	438	131	3.5
Model 21-4: 21 MMSCF/(800 SCFM X 60 MIN/HR) =	438	131	2

NOTES:

- TABLE IS FOR DRYER MODEL SELECTION ONLY
- HIGHER FLOW RATES AVAILABLE - CONTACT SALES
- HIGHER OPERATING PRESSURES AVAILABLE - CONTACT SALES
- VERIFY DRYER MAXIMUM WORKING PRESSURE PRIOR TO ORDER PLACEMENT
200 MWP IS STANDARD.
300, 500, 635, 875, 1100, 1250 MWP OPTIONS AVAILABLE - CONTACT SALES
- MAXIMUM OPERATING PRESSURE MUST BE 10% LOWER THAN THE DRYER MWP.
Example: A 500 MWP stamped dryer has a maximum operating pressure of 450 psig.
- SPECIFICATIONS AND INFORMATION SUBJECT TO CHANGE

NG SIZING 8 AUG 2013
