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PSB TYPE SV, SR & SRD - NATURAL GAS DRYERS FLOW RATES (Nm³/h) AT VARIOUS OPERATING PRESSURES

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

Model BARG	5.0-1.5 <i>P~ 0.35*</i>	6.5-2 <i>P~ 0.35*</i>	10-2 <i>P~ 0.35*</i>	10-3 <i>P~ 0.35*</i>	15-3 <i>P~ 0.35*</i>	15-4 <i>P~ 0.35*</i>	21-3 <i>P~ 0.35*</i>	21-4 <i>P~ 0.35*</i>	21-6 <i>P~ 0.42*</i>	Model BARG
0.7	153	257	257	555	555	659	555	965	2090	0.7
1.4	233	386	386	844	844	988	844	1447	3055	1.4
2.1	305	498	498	1045	1045	1286	1045	1929	3537	2.1
2.8	386	635	635	1286	1286	1648	1286	2412	4019	2.8
3.4	466	756	756	1527	1527	1929	1527	2733	4381	3.4
4.1	531	876	876	1688	1688	2251	1769	3055	4727	4.1
4.8	611	989	989	1849	1849	2572	2010	3215	5040	4.8
5.5	675	1109	1109	2010	2010	2894	2251	3376	5338	5.5
6.2	756	1174	1222	2130	2090	3215	2492	3537	5627	6.2
6.9	820	1230	1318	2211	2251	3473	2733	3698	↓	6.9
7.6	860	1294	1383	2331	2412	3658	2894	3859	↓	7.6
8.3	892	1351	1447	2452	2572	3834	3055	4019	↓	8.3
9.0	932	1407	1503	2532	2733	4011	3215	4180	↓	9.0
9.7	957	1455	1560	2653	2894	↓	3376	4341	↓	9.7
10.3	997	1503	1616	↓	3055	↓	3537	4502	↓	10.3
11.0	1037	1560	1672	↓	3215	↓	3698	4662	↓	11.0
11.7	1069	1608	1720	↓	3376	↓	3859	4823	↓	11.7
12.4	1093	1656	1769	↓	3537	↓	4019	4984	↓	12.4
13.1	1125	1696	1825	↓	3698	↓	4164	5145	↓	13.1
13.8	1158	1744	1873	↓	3891	↓	4285	5306	↓	13.8
15.2	1206	↓	1961	↓	↓	↓	4502	5595	↓	15.2
16.5	1270	↓	2050	↓	↓	↓	4719	↓	↓	16.5
17.9	1326	↓	2138	↓	↓	↓	4928	↓	↓	17.9
18.6	↓	↓	2178	↓	↓	↓	5024	↓	↓	18.6

EXAMPLE

Conversion: Nm³/h x 0.62199 = SCFM

*ΔP units = BAR

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 H ₂ O/MMSCF	HRS/TOWER @ 30 LB H ₂ O/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
 14 BARG MWP IS STANDARD.
 21 BARG, 34 BARG, 43 BARG, 60 BARG, 76 BARG, 86 BARG MWP OPTIONS
 AVAILABLE - CONTACT SALES
- MAXIMUM OPERATING PRESSURE MUST BE 10% LOWER THAN THE DRYER MWP.
 Example: A 34 BARG MWP stamped dryer has a maximum operating pressure of 31 BARG.
- SPECIFICATIONS AND INFORMATION SUBJECT TO CHANGE

NG METRIC
 SIZING
 14 AUG 2013