



KOMPACT SERIES DRYER

Kemp Kompact Technical Information

Kompact Capacities (scfm)

Model	Standard Pressure Range (psig)																					
	80		90		100		110		125		130		140		150		175		200		230	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
KP5	3.6	3	4.4	3.7	5.3	4.5	5.8	4.9	6.5	5.5	6.7	5.7	7.1	6.1	7.6	6.5	8.3	6.9	8.7	7.2	9.3	7.6
KP10	5.4	4.5	6.7	5.6	8	6.8	8.7	7.4	9.7	8.3	10.1	8.6	10.8	9.2	11.5	9.8	12.3	10.3	13.1	11	14	11.4
KP15	9.5	7.8	11.7	9.8	14	11.9	15.2	12.9	17.1	14.5	17.7	15	18.9	16.1	20.1	17.1	21.6	18.1	23	19	24.5	20
KP20	12.7	10.4	15.5	13	18.6	15.8	20.2	17.2	22.7	19.3	23.4	19.6	25.1	21.3	26.7	22.7	28.7	24	30.5	25.3	32.6	26.6
KP25	17.7	14.5	21.7	18.1	26	22.1	28.3	24	31.7	26.9	32.8	27.9	35.1	29.8	37.3	31.7	40.1	33.6	42.6	35.3	45.5	37.1

Note: All capacities are based on 100°F inlet temperature and 100°F inlet pressure dew point.

Inlet Temperature Correction Factors

Inlet Temperature	Inlet Flow Correction Factor	Purge rate as percent of actual inlet flow after adjusted for pressure
<100°F	1.000	15.0%
105°F	0.846	17.7%
110°F	0.792	18.9%
115°F	0.747	20.1%
120°F	0.702	21.4%

Desiccant Quantities*

Model	-40°F Activated Alumina (lbs per vessel)	-100°F	
		Activated Alumina (lbs per vessel)	Molecular Sieve (lbs per vessel)
KP5	1.8	1.3	0.6
KP10	2.7	1.9	1.0
KP15	4.7	3.3	1.7
KP20	6.3	4.4	2.2
KP25	8.8	6.2	3.1

* Desiccant supplied in self-contained replaceable cartridges.