



Charles Ross & Son Company
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TYPICAL ROSS SLIM INDUCTION RATES*
(lbs/min)

	Alumina	Calcium Carbonate	Carboxymethyl cellulose (CMC)	Carbopol	Fumed Silica	Starch	Sugar	Titanium Dioxide
Inline Models								
HSM-430SC	150 – 500	177 – 590	102 – 340	84 – 280	33 – 110	135 – 450	210 – 700	168 – 560
HSM-405SC-25	27 – 90	31 – 105	18 – 60	15 – 50	6 – 20	24 – 80	37 – 125	30 – 100
HSM-401SC-15	13 – 45	16 – 53	9 – 30	7 – 25	3 – 10	12 – 40	19 – 63	15 – 50
Batch Models								
HSM-101	7 – 23	8 – 27	4 – 15	4 – 13	1 – 5	6 – 20	10 – 33	7 – 25
HSM-105	20 – 68	24 – 79	13 – 45	11 – 38	4 – 15	18 – 60	28 – 94	23 – 75
HSM-110	27 – 90	31 – 105	18 – 60	15 – 50	6 – 20	24 – 80	37 – 125	30 – 100
HSM-125	47 – 158	55 – 183	31 – 105	26 – 88	10 – 35	42 – 140	66 – 219	52 – 175
HSM-130	61 – 203	71 – 237	40 – 135	34 – 113	13 – 45	54 – 180	85 – 282	67 – 225
HSM-150	81 – 270	94 – 315	54 – 180	45 – 150	18 – 60	72 – 240	112 – 375	90 – 300

*Actual induction rates will vary depending on powder flow characteristics, liquid viscosity, rotor speed, stator head, product temperature and restrictions in piping, etc. The maximum rates shown in the table above are based on powder induction into room temperature water at maximum rotor speed, inlet/outlet valves fully opened and using a large square stator head.