



### Oil Flow Rates Determined by Steam Temperature

PAPER MACHINE DRYER BEARING LUBRICATION				
OIL FLOW RATE (Pints/Minute)				
BEARING BORE (mm)	Steam Pressure			
	50-100 psi (345-690 kPa)	101-125 psi (600-862 kPa)	126-150 psi (862-1034 kPa)	Over 150 psi (Over 1034 kPa)
≤190	3	4	6	8
191-260	3-4	4-6	6-8	8-10
261-349	4-5	6-7	8-9	10-11
350-500	16	24	26	28
>500	24-32	40	48	56

SATURATED STEAM PRESSURE		CORRESPONDING STEAM TEMPERATURE	
psi	kgs/sq. meter	°F	°C
50	35 150	281	138
60	42 200	293	145
75	52 750	308	153
100	70 300	327	164
125	87 900	344	173
150	150 500	358	181

\* Note: Oil flow rates are per bearing on drive side of machine. Except where condensate and blow-through steam is removed through operating (tending) side journal, flow rate for front bearing is 60-75% of these values.