

Product:

Pharma TSG

Manufactured By:

Thermo Fisher Scientific

		Pharma 16 TSG		Pharma 24 TSG	
Barrel length	L/D	25 : 1	40 : 1	25 : 1	40 : 1
Barrel bore diameter	mm	16	16	24	24
Screw diameter (D)-	mm	15.6	15.6	23.6	23.6
Channel depth	mm	3.3	3.3	5.15	5.15
Root diameter	mm	9.0	9.0	13.3	13.3
Diameter ratio	D/d	1.73	1.73	1.77	1.77
Centre-line spacing	mm	12.5	12.5	18.75	18.75
Centre-line to radius ratio		1.56	1.56	1.56	1.56
Max. screw speed	rpm	1000	1000	750	750
Power @ Max. screw speed	kW	2.5	2.5	7.5	7.5
Dimensions (L x W x H)	cm	150 x 70 x 150	150 x 70 x 150	200 x 70 x 150	200 x 70 x 150
Scale-up data					
Internal free volume	cm ³	68	109	274	365
Peripheral surface area	cm ²	316	505	854	1138
Surface area per unit free volume	m ² /l	0.47	0.47	0.47	0.47
Typical output	kg/h	0.5 to 5	.05 to 10	0.5 to 5	0.5 to 10
Services					
Power	V/ph/A	400V/3ph+N/20A	400V/3ph+N/20A	400V/3ph+N /40A	400V/3ph+N/40A
Cooling water @ 20°C	l/min	5	5	20	20
Throughput	Kg/h	1 - 10	1 - 10	5 - 50	5 - 50

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Regards from the Team at Rheology Solutions.