

TURBA-FILM® PROCESSOR

The LCI Turba-Film processor is a mechanically agitated, thin-film evaporator that permits continuous, efficient processing of many heat sensitive, viscous or otherwise difficult materials without product degradation.

The Turba-Film is highly versatile and can be fitted with several different rotor designs (shown below) for optimization for specific applications. Processors are available with an internal or external bottom bearing or, in special cases, no bottom bearing

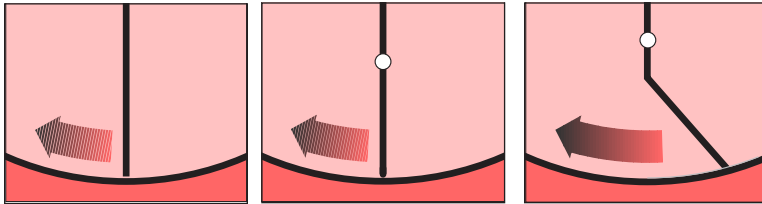
Normally, all product and vapor wetted surfaces are of 316 stainless steel, but construction in a wide range of special alloys is available. Units are built to ASME code requirements. Heating is typically by steam or liquid heat transfer fluids.

Component systems including items such as tanks, pumps and instruments can be furnished, or a complete modular system can be supplied for quick installation.



LCI Turba-Film modular system.

AVAILABLE ROTORS



Fixed clearance rotor for most applications.

Drying rotor for solids-containing streams from which liquid must be evaporated.

Wiped-film rotor for materials with very high fouling tendencies or vaporization ratios.

DIMENSIONAL INFORMATION (Approximate)

Area ft. ² (m ²)	A Overall Height in.(mm)	B Rotor Withdrawal in.(mm)	C Diameter in.(mm)	Weight Empty lb.(kg)
2(0.18)	56(1,422)	48(1,220)	4(102)	175(180)
5(0.46)	83(2,108)	96(2,438)	8(203)	1,050(477)
11(1.0)	94(2,388)	120(3,048)	12(305)	1,900(864)
16(1.5)	112(2,835)	156(3,962)	12(305)	2,100(955)
25(2.3)	144(3,658)	168(4,267)	18(457)	3,600(1,636)
35(3.2)	167(4,242)	192(4,877)	18(457)	4,000(1,818)
50(4.6)	187(4,750)	228(5,791)	24(610)	5,900(2,682)
60(5.6)	230(5,842)	252(6,400)	26(660)	9,700(4,409)
70(6.5)	235(5,969)	264(6,706)	24(610)	10,200(4,636)
85(7.9)	256(6,502)	288(7,315)	30(762)	11,700(5,318)
105(9.8)	263(6,680)	288(7,315)	36(914)	13,200(6,000)
128(11.9)	299(7,595)	312(7,925)	36(914)	14,300(6,500)
158(14.7)	335(8,509)	348(8,839)	36(914)	17,100(7,772)
185(17.2)	343(8,712)	360(9,144)	42(1,066)	20,400(9,272)
240(22.3)	416(10,566)	432(10,972)	42(1,066)	29,000(13,182)
275(25.5)	418(10,617)	432(10,972)	48(1,219)	31,300(14,227)

