

Manual Cold Isostatic Pressing Cip Machine Pellet Press

Item Number: PCIM



Introduction

KINTEK Lab Manual Isostatic Press ensures superior sample uniformity & density. Precision control, durable construction, and versatile forming for advanced lab needs. Explore now!

[Learn More](#)

Instrument model	PCIM-12T	PCIM-20T	PCIM-40T	PCIM-60T
Pressure Range	0-12T(0-17MPa)	0-20T(0-21MPa)	0-40T(0-30MPa)	0-60T(0-34MPa)
Piston diameter	95mm (d) in chrome plated oil cylinder	110mm (d) in chrome plated oil cylinder	130mm (d) in chrome plated oil cylinder	150mm (d) in chrome plated oil cylinder
Pressure gage	Pressure and pressure dual scale display	Pressure and pressure dual scale display	Pressure and pressure dual scale display	Pressure and pressure dual scale display
Maximum piston stroke (T)	40mm	40mm	50mm	50mm
Guard	Organic glass	Organic glass	Organic glass	Organic glass
Ambient temperature	10°C-40°C	10°C-40°C	10°C-40°C	10°C-40°C
Isostatic pressure	0-300MPa	0-300MPa	0-300MPa	0-300MPa
Isostatic pressure chamber	Φ22×70mm(M×N)	Φ30×120mm(M×N)	Φ40×150mm(M×N)	Φ50×150mm(M×N)
External dimensions	305×195×530mm(L×W×H)	305×195×600mm(L×W×H)	355×215×710mm(L×W×H)	405×240×720mm(L×W×H)
Equipment weight	90Kg	100Kg	130Kg	180Kg

Pressure conversion		
Actual pressure	Chamber pressure	System pressure
1.7 [Tons]	1.86 [MPa]	25 [MPa]
3.5 [Tons]	3.72 [MPa]	50 [MPa]
5 [Tons]	5.57 [MPa]	75 [MPa]
7 [Tons]	7.43 [MPa]	100 [MPa]
8.7 [Tons]	9.29 [MPa]	125 [MPa]
10.5 [Tons]	11.2 [MPa]	150 [MPa]
14 [Tons]	14.8 [MPa]	200 [MPa]
17.5 [Tons]	18.6 [MPa]	250 [MPa]
21 [Tons]	22.3 [MPa]	300 [MPa]

Reminder: Generally, the system pressure should not exceed 35MPa, otherwise it will affect the service life of the equipment.