



KINTEK SOLUTION

Lab Isostatic Press Machine Catalog

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KINTEK SOLUTION

COMPANY PROFILE

>>> About Us

Kintek Solution Ltd is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vacuum creating, refrigerating, as well as pharmaceutical and petroleum extracting equipment.

In the past 20 years, we earned rich experiences in this researching equipment field, we are capable to supply both the equipment and solution according to customer's needs and realities, we have also developed lots of customer tailored equipment according to a specific working purpose, and we have lots of successful projects in many universities and institutes from different countries, like Asia, Europe, North and South America, Australia and New Zealand, Middle East, and Africa.

Profession, quick response, hard working, and sincerity is a remarkable label of our team members working attitude, which earn us a sound reputation among our clients.

We are here and ready to service our clients from different countries and regions, and share the most efficient and reliable technology together!



Electric Lab Cold Isostatic Press (Cip) 12T / 20T / 40T / 60T

Item Number: PCIE



Introduction

Produce dense, uniform parts with improved mechanical properties with our Electric Lab Cold Isostatic Press. Widely used in material research, pharmacy, and electronic industries. Efficient, compact, and vacuum-compatible.

[Learn More](#)

Instrument model	PCIE-12T	PCIE-20T	PCIE-40T	PCIE-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	Digital display0.0-40.0MPa	Digital display0.0-40.0MPa	Digital display0.0-40.0MPa	Digital display0.0-40.0MPa
Maximum piston stroke (T)	40mm	40mm	50mm	50mm
Way of Pressure	Electric pressurization/manual pressurization	Electric pressurization/manual pressurization	Electric pressurization/manual pressurization	Electric pressurization/manual pressurization
Pressure replenishment method	Automatic pressurization/manual slow pressurization	Automatic pressurization/manual slow pressurization	Automatic pressurization/manual slow pressurization	Automatic pressurization/manual slow pressurization
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	305×430×530mm(L×W×H)	305×430×600mm(L×W×H)	355×450×710mm(L×W×H)	405×470×720mm(L×W×H)
power supply	550W(220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)
Equipment weight	110Kg	120Kg	150Kg	200Kg

Manual Cold Isostatic Pellet Press (Cip) 12T / 20T / 40T / 60T

Item Number: PCIM



Introduction

Lab Manual Isostatic Press is a high-efficient equipment for sample preparation widely used in material research, pharmacy, ceramics, and electronic industries. It allows for precision control of the pressing process and can work in a vacuum environment.

[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.

Electric Split Lab Cold Isostatic Press (Cip) 65T / 100T / 150T / 200T

Item Number: PCESI



Introduction

Split cold isostatic presses are capable of providing higher pressures, making them suitable for testing applications that require high pressure levels.

[Learn More](#)

Instrument model	PCESI-65T	PCESI-100T	PCESI-150T	PCESI-200T
Pressure Range	0-65T	0-100T	0-150T	0-200T
Piston diameter	160mm (d) in chrome plated oil cylinder	200mm (d) in chrome plated oil cylinder	200mm (d) in chrome plated oil cylinder	290mm (d) in chrome plated oil cylinder
Pressurization process	Program pressurization - Program holding -Timed pressure relief	Program pressurization -Program holding -Timed pressure relief	Program pressurization - Program holding-Timed pressure relief	Program pressurization - Program holding -Timed pressure relief
Hold time	1 second to 0 seconds	1 second to 0 seconds	1 second to 0 seconds	1 second to 0 seconds
Pressure conversion	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample
Display	7-inch LCD screen	7-inch LCD screen	7-inch LCD screen	7-inch LCD screen
Equipment protection	Steel plate protection with organicglass door	Steel plate protection with organicglass door	Steel plate protection with organic glass door	Steel plate protection with organicglass door
Isostatic pressure	0-300MPa	0-300MPa	0-300MPa	0-300MPa
Isostatic pressure chamber	Φ50×150mm(M×N)	Φ60×150mm(M×N)	Φ80×150mm(M×N)	Φ90×150mm(M×N)
Cylinder stroke (T)	50mm	50mm	50mm	50mm
Space size	220×400mm(M×N)	260×400mm(M×N)	280×400mm(M×N)	290×420mm(M×N)
External dimensions	700×450×1050mm(L×W×H)	850×500×1100mm(L×W×H)	950×550×1150mm(L×W×H)	1000×650×1200mm(L×W×H)
Equipment power supply	1500W(220V/110 can be customized)	1500W (220V/110 can be customized)	1500W(220V/110 can be customized)	1500W(220V/110 can be customized)
Equipment weight	350kg	580kg	680kg	980kg

Automatic Lab Cold Isostatic Press (Cip) 20T / 40T / 60T / 100T

Item Number: PCIA



Introduction

Efficiently prepare samples with our Automatic Lab Cold Isostatic Press. Widely used in material research, pharmacy, and electronic industries. Provides greater flexibility and control compared to electric CIPs.

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Instrument model	PCIA-20T	PCIA-40T	PCIA-60T	PCIA-100T
Pressure Range	0-20T	0-40T	0-60T	0-100.0T
Piston diameter	110mm (d) in chrome plated oil cylinder	130mm (d) in chrome plated oil cylinder	150mm (d) in chrome plated oil cylinder	200mm (d) in chrome plated oil cylinder
Pressurization process	Program pressurization - Program holding -Timed pressure relief	Program pressurization - Program holding -Timed pressure relief	Program pressurization - Program holding -Timed pressure relief	Program pressurization - Program holding -Timed pressure relief
Hold time	1 second to 0 seconds	1 second to 0 seconds	1 second to 0 seconds	1 second to 0 seconds
Pressure conversion	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample
Display	4.3 inch LCD screen	4.3 inch LCD screen	4.3 inch LCD screen	7 inch LCD screen
Equipment protection	Steel plate protection with organic glass door	Steel plate protection with organic glass door	Steel plate protection with organic glass door	Steel plate protection with organic glass door
Isostatic pressure	300MPa	300MPa	300MPa	300MPa
Isostatic pressure chamber	Φ30×150mm(M×N)	Φ40×150mm(M×N)	Φ50×150mm/30×150mm	Φ60×150(M×N)
Cylinder stroke (T)	50mm	50mm	50mm	50mm
Sample making characteristics	Upperpanel rocker arm structure formore convenient operation	Upperpanel rocker arm structure formore convenient operation	Upperpanel rocker arm structure formore convenient operation	Upperpanel rocker arm structure formore convenient operation
External dimensions	240×390×560(L×W×H)	280×460×660(L×W×H)	/	330×580×720(L×W×H)
Equipment power supply	550W(220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)
Equipmentweight	120KG	180KG	240KG	290KG

Automatic Lab Hot Isostatic Press (Hip) 20T / 40T / 60T

Item Number: PCIH



Introduction

Hot Isostatic Pressing (HIP) is a material processing method that simultaneously subjects materials to high temperatures (ranging from hundreds to 2000°C) and isostatic pressures (tens to 200 MPa).

[Learn More](#)

Instrument model	PCIH-20T	PCIH-40T	PCIH-60T
Pressure Range	0-20T	0-40T	0-60.0 tons
Piston diameter	130mm (d) in chrome plated oil cylinder	150mm (d) in chrome plated oil cylinder	200mm (d) in chrome plated oil cylinder
Pressurization process	Program pressurization - Program holding-Timed pressure relief		
Hold time	1 second to 0 seconds	1 second to 0 seconds	1 second to 0 seconds
Pressure conversion	The program automatically converts the pressure borne by the sample		
Display	4.3 inch LCD screen	7 inch LCD screen	7 inch LCD screen
Heating temperature	Room temperature-200.0C	Room temperature-200.0C	Room temperature-200.0C
Isostatic pressure	300MPa	300MPa	300MPa
Isostatic pressure chamber	Φ30×150mm(M×N)	Φ40×150mm(M×N)	Φ×50×150 (M×N)
Cylinder stroke (T)	50mm	50mm	50mm
Sample making characteristics	Upperpanel rocker arm structure formore convenient operation		
External dimensions	280×460×660(L×W×H)	280×460×660(L×W×H)	330×580×720(L×W×H)
Equipment power supply	1800W(220V/110 can be customized)	1800W(220V/110 can be customized)	3000W(220V/110 can be customized)
Equipmentweight	180Kg	180Kg	290KG



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