



PASS-THRU PLUS SERIES REFRIGERATORS / FLAMMABLE STORAGE & BOD REFRIGERATED INCUBATORS

Refrigerators with front and rear doors for applications when the loading and removal of product from both sides of the unit is required. Great for clean room and pharmacy applications.

PASS-THRU PLUS SERIES

PTP Series Standard Features

- Temperature Range 0° - 10° C. Factory Preset at 4° C
- LR-5 Microprocessor Temperature Controller offers more precise temperature settings and maintenance over mechanical thermostats (see pg. 1)
 - Digital Display
 - Audible and Visual High & Low Temperature Alarm
 - Door Ajar Alarm
 - Battery Back-up
 - Power Failure Alarm
 - Sensor Error Alarm
 - Remote Alarm Contacts
 - High & Low Non-volatile Temperature Memory with reset
 - Audible Alarm Mute Button
- 120 VAC Operation
- Accessible Exterior Power Switch
- CFC-Free refrigerant, foam insulation and packaging
- Automatic Defrost Refrigerators with built in electric heater assisted condensate evaporator
- Interior lights are safety shielded and switch controlled
- Self-closing doors. Hold-open latches provided for sliding doors
- Energy efficient, double pane vacuum insulated glass doors with Solarban® on front of PTP 47 & 49. Solid swing doors on rear.
- Stainless Steel doors on front and rear of PTP 49SS
- Door locks standard on PTP 49SS
- Electrostatically coated wire shelves
- Stainless Steel interior floor helps prevent corrosion
- White acrylic enamel interior offers higher visibility
- Accu-test Certified. Double testing helps ensure accurate temperature performance



FRONT

REAR



(PTP-49SS)



PTP Accessories

- (See Accessories Page 20)
- Electrical Outlets
 - Access Ports
 - Additional Shelves
 - 120 VAC Operated, Flush Mounted, 4" Circular Chart Temperature Recorder
 - Door Locks (for PTP 47 & 49)

PASS-THRU PLUS SERIES

Model	Cu. Ft.	Doors	Shelves	Usable Int. Dim.			Ext. Dim.			H.P.	Amps	BTU/hr	Weight	Ship Weight
		Front / Back		W"	D"	H"	W"	D"	H"					
PTP-47	47	2slide /2swing	8	50	25	56	55	32	79	1/2	11	3217	544	584
PTP-49	49	2swing/2swing	8	20	25	56	55	32	79	1/2	11	3217	538	578
PTP-49SS	49	2swing/2swing	6	20	25	56	54	33	79*	1/2	10	3217	500	540

* Exterior height does not include 5" for caster height

FLAMMABLE STORAGE & BOD REFRIGERATED INCUBATORS

FS Series Standard Features

- Units feature compressors with enclosed overloads, relays and thermostats to prevent sparks escaping during opening & closing.
- Temperature Range:
 - Refrigerators: Average Cycle Temperature of 4° C or lower
 - Freezers: Average Cycle Temperature of -20° C or lower (Combinations Average Cycle Temperature on Freezer -15° C)
 - (FS-3030 Average Cycle Temperature of -30° C or lower)
 - Exterior top-mounted Mechanical Thermostat in compliance with NFPA Code 99
 - 120 VAC Operation
 - Leveling Legs
 - CFC-Free refrigerant, foam insulation and packaging
 - Manual Defrost
 - Magnetic Door Gaskets help provide an air tight seal that insulates and prevents the release of hazardous fumes
 - Textured White Epoxy coated steel exterior
 - Flammable Material Storage Warning Label
 - Accu-test Certified. Double testing helps ensure accurate temperature performance

BOD/Refrigerated incubators

- Ideal for biochemical oxygen demand test of sewage & waste flow by APHA method at 20°C incubation. Other applications include fermentation studies, drug stability and enzyme essays.
- Temperature Range: -10° C to +50° C
 - Temperature Uniformity: ± 0.5° C
 - 120 VAC Operation
 - 300 BOD bottle capacity
 - Door mounted Microprocessor-based Controller
 - LED Temperature display
 - Interior electrical outlet for auxiliary equipment (2-AMP)
 - High and Low Temperature Alert
 - Accu-test Certified. Double testing helps ensure accurate temperature performance

FS & BOD Series Accessories

- (See Accessories Page 20)
- Temperature Recorder
 - Temperature Recorder with alarm



(FS-5004)



(BOD-20)
SHOWN WITH OPTIONAL CASTERS



FLAMMABLE MATERIALS REFRIGERATORS AND FREEZERS

Model	Cu. Ft.	Defrost	Doors	Shelves/ Bins	Usable Int. Dim.			Ext. Dim.			H.P.	Amps	BTU/hr	Weight	Ship Weight
					W"	D"	H"	W"	D"	H"					
FS-11C	11		2					25	24	65			130	170	
Ref.	8	Auto		4 fixed/0	21	21	39				1/4	10	850		
Frz.	3	Manual		1 fixed/0	19	18	13				1/4	10	850		
FS-2020	20	Manual	1	4 fixed/0	23	27	57	30	32	73	1/5	12	770	210	
FS-2004	20	Auto	1	4 fixed/0	23	27	57	30	32	73	1/5	10	700	230	
FS-27C	27		1					35	36	80			230	270	
Ref.	25	Auto		5 adj./1	23	32	49				1/4	10	770		
Frz.	2	Manual		0/0	22	28	12				1/4	10	770		
FS-3030	30	Manual	1	3 fix. 5 adj./1	23	32	65	35	36	80	1/3	6	2174	321	
FS-3004	30	Auto	1	3 fix. 5 adj./0	23	32	65	35	36	80	1/3	4	2174	308	
FS-5004	50	Auto	2	8 adj./0	32	48	60	36	52	84	1/2	10	3217	328	

BOD/REFRIGERATED INCUBATOR

BOD-20	20	Auto	1	5/1	27	17	57	32	29	70	1/4	9	880	205	245
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