

Belshaw Adamatic

BARP-1 Series Retarder-Proofer, 1-Door, Roll-in

Construction

- Stainless steel exterior with 300 Series s/s interior and aluminized steel top
- Foamed insulation in walls ceilings and doors
- Modular wall and ceiling panels with cam lock construction
- Rapid responding air-wash heat and humidity system
- Heavy duty welded s/s hinges
- Depth up to 120", capacity up to 6 racks
- 208/240 VAC, either 1 or 3-phase, field convertible
- Refrigeration components compatible with R404A refrigerant
- Includes condenser standard

Operation

- Dual purpose, provides both proofing and retarding
- 70°-120° F proofing range
- 34°-45° F retarding range
- 50-99% humidity range
- Non-submerged calrod type heaters
- Evaporators sized for high humidity levels, prevents drying
- Refrigeration system sized for rapid pull down
- Interior bumpers protect interior walls from damage
- Lighted interior

Controls

- Digital set Temperature, Humidity, Time
- PID type controls for rapid accurate response without overshoot
- Operates in individual modes or automatic mode
- All digital controls mounted in the door at eye-level
- Large LED display
- Real-time clock

Options

- Stainless steel floor
- Refrigeration condenser (requires separate connection)
- Prison package

Model/Rack Capacity*

Model/Depth	Side Load 28.4"Wx18.0"D	End Load 26.0"Wx20.4"D	Double 28.4"Wx36.0"D
BAP-1-40	1 Rack	1 Rack	N/A
BAP-1-50	2 Racks	2 Racks	1 Racks
BAP-1-60	2 Racks	2 Racks	1 Racks
BAP-1-70	3 Racks	3 Racks	1 Racks
BAP-1-80	4 Racks	3 Racks	2 Racks
BAP-1-90	4 Racks	4 Racks	2 Racks
BAP-1-100	5 Racks	4 Racks	2 Racks
BAP-1-110	5 Racks	5 Racks	2 Racks
BAP-1-120	6 Racks	5 Racks	3 Racks

*Racks may be snug at maximum capacity. For details of rack arrangement, see the Rack Capacity Guide at <http://www.belshaw-adamatic.com/specs/belshaw-adamatic-rack-capacity-guide.pdf>



BARP-1-40 Retarder Proofer

Short Bid Specification

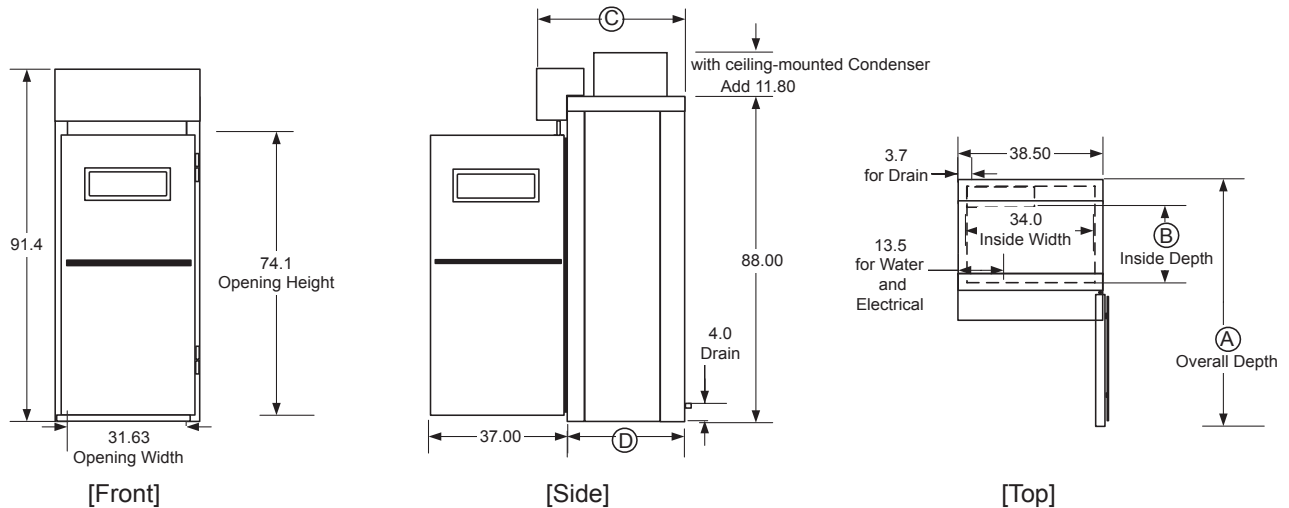
Retarder-Proofer Model BARP-1-xxx [insert 40 thru 120] shall be a 5 to 13.2 kW electrically heated, single door roll-in rack unit with: quick responding air-wash heat / humidity system; high output refrigeration system that includes the solenoid valve(s), expansion valve(s), line dryer(s) and epoxy coated evaporator coils; modular cam lock panel construction with foamed insulation; all stainless steel interior, with protective cart bumpers; heavy-duty door with magnetic seal/mechanical closure system and full width protective bar handle; simple computerized controls, door mounted at eye-level, with accurate digital temperature, humidity and time readouts; plus all the features listed and options listed.

Standard Product Warranty

One-Year Parts and Labor, USA and Canada.
(USA includes 50 states + DC unless specified)

Certifications





Specifications

Freight Class=70

Model	Retarder BTU's *	Height		Width		Depth				Approx Weight (lbs)	
		Int	Ext	Int	Ext	"A"	"B"	"C"	"D"	Actual	Ship
BARP-1-40	3500	74.1"	91.4"	33.0"	38.7"	79"	32.1"	49.3"	41"	900	1000
BARP-1-50	3500					89"	42.1"	59.3"	51"	991	1116
BARP-1-60	4500					99"	52.1"	69.3"	61"	1094	1219
BARP-1-70	4500					109"	62.1"	79.3"	71"	1197	1322
BARP-1-80	5500					119"	72.1"	89.3"	81"	1321	1446
BARP-1-90	5500					129"	82.1"	99.3"	91"	1424	1549
BARP-1-100	7000					139"	92.1"	109.3"	101"	1527	1652
BARP-1-110	7000					149"	102.1"	119.3"	111"	1651	1776
BARP-1-120	9000					159"	112.1"	129.3"	121"	1754	1879

Electrical Requirements

* BTU Rating @35°

Model	Voltage	Total kW	1-Phase	3-Phase	Condenser
BARP-1-(all models)	208 VAC	5 kW	24.0 A	13.8 A	Volts: 208/240/60/1 Amps: 6A-18A. Condenser model depends on target minimum temperature chosen. Condenser specs: http://www.belshaw-adamatic.com/specs/belshaw-adamatic-retarder-proofer-BARP-condenserspecs.pdf
	240 VAC	6.6 kW	27.5 A	15.8 A	

Water Supply and Drainage Requirements

Model	Water Supply	Drainage
BARP-1-(30 thru 80)	1/2" NPT .07 GPM @ 60 PSI	1/2" PVC; 110°F <1 GPM Max, Vented
BARP-1-(90 thru 120)	1/2" NPT .14 GPM @ 60 PSI	

Installation Requirements

- Requires on-site installation
- Refrigeration condenser requires separate connection
- KD shipment. When disassembled, can fit through 36" opening
- Consult factory for shipment fully assembled
- 208/240 VAC, either 1 or 3-phase, field convertible
- 1/2" NPT cold water connection
- 1/2" PVC vented drain connection
- Refrigeration system must be installed by a licenced refrigeration technician
- This appliance is designed to operate at normal room temperatures; if installed next to an oven or other heat source allow a minimum clearance of 4" to prevent heat transfer.
- Clearance from combustibles is 0.0" sides and back
- 2" right side clearance required for door to open 90°

- For install on non-porous surfaces only
- Your local water conditions may damage your appliance. Failure to properly treat water may result in damage and may void your warranty. Ensure that your water supply meets these minimum water quality specifications:
 - Alkalinity: 22 ppm
 - Aluminum: 17 ppm
 - Calcium: 3.3 ppm
 - Free chlorine residual: 0.6 ppm
 - Magnesium: 0.65 ppm
 - PH range: 8.5 s.u.
 - Sodium: 8.5 ppm
 - Total Hardness: 11.9 ppm
- Consult your local water treatment company for proper water filtration system.