

PRODUCT - GENERAL

Model	PB-100
Description	Safety Shower, Eyewash & Drench Hose
Standard	ANSI Z358.1
Heated Ambient Air	Space Heater
Heated Water	Tank Immersion Heater
Drain	Underfloor containment with 2" FPT connection
Controls	Custom PLC
Instrument Sensors & Alarms	Air Temp, Water Temp, Water Level, Motion, Shower Use, Eyewash Use, Drench Hose Use
Instrument Air	N/A
Unit Weight Empty	1,792 kg (3,950 lbs.)
Unit Dimensions (L x W x H)	2020 mm x 2120 mm x 3328 mm (6'-7.5" x 6'-11.5" x 10'-11")
Tank Volume	1,893 L (500 US gal.)
Tank Pressure	None - Overflow open to atmosphere
Water Pressure	Gravity Flow
Water Filter	String wound, NSF 42, 10 micron
Water Preservative	5.9 L (1.6 US gal.) pH 5.0 to 7.0
Alarm Local	Horn, Strobe, PLC LED
Alarm Remote	Dry Contacts (In use & alarm status)
Lighting Exterior	1X 26W LED
Lighting Exterior	2X 100W Incandescent
Outdoor Temps	-50°C (-58°F) to 45°C (113°F)
Paint (Body Frame)	OSHA / ANSI Safety Yellow

SHOWER HEAD

Flow Rate	76 L (20 US gal.) / minute
Duration	15 minutes
Water Temp.	23°C (74°F) to 38°C (100°F)
Activation	Pull Down Handle

EYE WASH

Flow Rate	11.4 L (3 US gal.) / minute
Duration	15 minutes
Water Temp.	23°C (74°F) to 38°C (100°F)
Activation	Hand Push Flag Handle

DRENCH HOSE

Flow Rate	1.5 L (0.4 US gal.) / minute
Duration	Variable
Water Temp.	23°C (74°F) to 38°C (100°F)
Activation	Pull Down Handle

STRUCTURE - ENCLOSURE

Standard	CSA A660-10
Structural Main	Engineered HSS Braced Frame
Design Floor Load	4.8 kPa (100 psf.)
Wind Load	0.65 kPa (13.6 psf.)
Heated Water	Tank Immersion Heater
Structural Cladding	Polyurethane Sandwich Panels
Panel Thickness	50 mm (2")
Thermal Resistance	R14
Door Type	Insulated Push Type
Lifting	Forklift Pockets

PIPING

Material	Stainless Steel
Design	ASME B31.3 Compliant
Water Supply	Potable Water
Water Fill Pressure	413 kPa (60 psi) to 689 kPa (100 psi)
Inlet Supply	0.75" Sch.40
Main Process	1.5" Sch.40
Design Pressure	1,034 kPa (150 psi)
Design Temperature	60°C (140°F)
Freeze Protection	Piston check valve opens @ 4°C (39°F)
Corrosion Allowance	n/a

ELECTRICAL

Power Main	240/208 V / 3 ϕ / 60 Hz (30 A, 2 Pole Disc.)
Power Control	120 V / 1 ϕ / 60 Hz
Junction Box	NEMA 4 / 4X

CLIENT CUSTOM OPTIONS

ONEC offers different customizations for the PB-100 product. Model types can be offered that are hazardous location approved. Indoor models are also available. Power related customizations are also possible. All customizations are evaluated during an engineering review. Engineering effort, design time and delivery dates are determined before quotation of price increase. Not all customization requests are possible. Contact ONEC for more information.