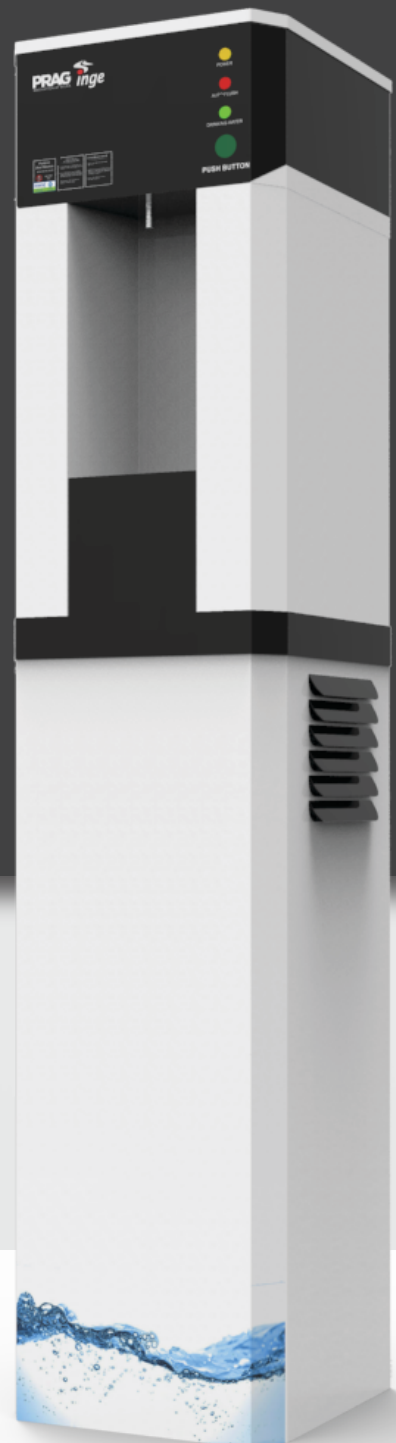


PRAG

ARCTICOVE

ONBOARD WATER PURIFIER CUM COOLER





Maintenance Free

The long-life Inge Multibore membrane is designed to perform continuously for a period of eighteen months in an IR Passenger Coach, even at full capacity utilization.



Certified Retention

Certified Log-5 Virus Rejection [MS2 Phages] – IWW, Germany.



Certified Food Grade

Filtration membrane and accessories certified as per NSF / ANSI 61.



Bacteria Free

Meets international drinking water standards, Bacteria removal efficiency: 99.9999%.



Retains Natural Quality of Water

All the natural salts and minerals in the water are retained without adding iodine or other chemicals.



Minimum Water Wastage

The system is designed for less than 2% Water Wastage.



Auto Flush with Timer

Ensures regular auto-cleaning of Filter Membranes.



Robust Construction

Vandalism Proof Stainless Steel Construction.



IP-54 Water Protection

All electronic used have IP-54 Level Protection suitable for Railway Applications.



Last Point Purification

Water is first cooled and then purified, leaving absolutely no chance of contamination.

INTRODUCTION

The Prag Arcticove™ utilizes innovative Inge® multibore ultrafiltration technology using nanoscale membranes to provide safe potable drinking water to railway passengers. Water is cooled in a 25-liter stainless steel insulated tank ensuring a continuous supply of cold water even in peak summers and passenger loads. Cold water stored in the tank is filtered in-situ before dispensing, leaving absolutely no chance of contamination.



Let's Reduce Plastic Waste

PRAG ARCTICOVE... ...YOUR TRAVEL WATER PARTNER

ABOUT ULTRA-FILTRATION

Ultrafiltration (UF) is a type of membrane filtration in which hydrostatic pressure forces a liquid against a semipermeable membrane. A semipermeable membrane is a thin layer of material capable of separating substances when a driving force is applied across the membrane. Once considered a viable technology only for desalination, membrane processes are increasingly employed for removal of bacteria and other microorganisms, particulate material, and natural organic material, which can impart color, tastes, and odors to the water.

Ultrafiltration uses hollow fibers of membrane material and the feed water flows either inside the shell, or in the lumen of the fibers. Suspended solids and solutes of high molecular weight are retained, while water and low molecular weight solutes pass through the membrane. When strategically combined with other technologies, UF is ideal for the removal of colloids, proteins, bacteria, pyrogens, proteins, and macromolecules larger than the membrane pore size from water.



SPECIFICATIONS

DIMENSIONS IN MM (HXDXW)	1700 X 400 X 400
NET WEIGHT (KGS)	100 (APPROX)
PRIMARY FILTRATION MEMBRANE	BASF MULTIBORE UF CARTRIDGES, MADE IN GERMANY
FILTRATION PORE SIZE	<0.02 MICRONS [100,000 DALTONS]
FLOW RATE / FEED PUMP CAPACITY	120 LPH (2.0 LPM)
INPUT VOLTAGE	110VAC [110VAC TO 24VDC CONVERTOR INBUILT]
PRE-FILTER	5 MICRON
INDICATION PANEL	ELECTONIC LED BASED PANEL WITH FAULT SIGNAL
DISPENSING MECHANISM	PUSH BUTTON, PRESS & HOLD TO DISPENSE
TIMER BASED AUTO-FLUSH	FORWARD-FLUSH FOR 30 SECONDS EVERY ONE HOUR
WEATHERPROOF CONSTRUCTION	IP-54 LEVEL PROTECTION IN ALL ELECTRONIC ENCLOSURES
DRY-RUN PROTECTION	AUTO SYSTEM SHUTDOWN UPON 10 SECOND DRY-RUN
ANTI-CHOKING	AUTO SYSTEM SHUTDOWN @3.5 KG/CM ² WATER PRESSURE
COOLING SYSTEM:	
COLD WATER STORAGE	25 LITERS
COMPR. INPUT VOLTAGE	110 V AC
INSULATION	PUFFING
HEAT DISSIPATION	LOUVERS ON BOTH SIDES, PERFORATED SHEET AT THE BACK
TOTAL POWER REQUIREMENT	500 WATTS
IR SPECIFICATION NO.	RDSO-015/CG-04 of JULY 2016, W/ CORRIG-1 of AUG. 2016 FOR WATER PURIFIER



PRAG
INNOVATION AT WORK

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