



THE APPLICATION OF MINERAL SCIENCE

ImerPure™

Introducing an advanced
water filtration system

ATTRIBUTES

- High performance gravity water filtration device
- High flow ceramic cartridge
- Easy to clean filter
- High protection levels with long filter life
- Modular for future innovative attachments

INTRODUCING ADVANCED FILTRATION SYSTEM



SOLUTION	ImerPure CF (without GAC)	ImerPure Carb (with GAC)	ImerPure VirCF (Virus Disinfectant)	ImerPure VirCarb (Virus Disinfectant)
WORKING PARAMETERS				
Working temperature (Celsius)	0 - 70	0 - 70	0 - 40	0 - 40
Working pH	4 - 10	4 - 10	6 - 9	6 - 9
Recommended change frequency (Months)	6 - 12	3 - 6	3 - 6	3 - 6
Electric requirement	NO	NO	NO	NO
FLOW RATE				
Peak flow rate (Liters / hour)	16	16	8	8
Cloudy water flow rate (Liters / hour)	6	6	6	6
RESIDUAL BROMINE (PPM)				
	N/A	N/A	<1	<1
PATHOGEN REMOVAL				
(% Bacteria) E. Coli / Cholera / Shigella / Typhoid / Klebsiella Terrigena	99.90%	99.90%	99.9999%	99.9999%
(% Protozoa) Cryptosporidium	99.99%	99.99%	99.99%	99.99%
(% Virus) MS2	N/A	N/A	99.99%	99.99%
INORGANIC REMOVAL				
Removes Chlorine	NO	YES	NO	YES
AESTHETIC IMPROVEMENT				
Odour	NO	YES	NO	YES
Colour	YES	YES	YES	YES
Taste	NO	YES	NO	YES
CLEANING REQUIREMENT				
Simple scrub with cloth or sponge	YES	YES	YES	YES
Special tools required	NO	NO	NO	NO
Back wash required	NO	NO	NO	NO
SERVICE REQUIREMENT				
Sales person visit	NO	NO	NO	NO

EXISTING PRE-FILTER TECHNOLOGIES AVAILABLE IN MARKET

	Cloth or Mesh	Carbon Block	Traditional Ceramic
Flow Rate (Litres / hour)	20	6	2
Pathogen Removal % (Bacteria : Protozoa : Virus)	NA : 90% : NA	99.9% : 99.9% : NA	99.9% : 99.9% : NA
Recommended change frequency (Months)	2-3	2-3	3-4
Drawback	Tears	Clogs	Heavy, Fragile
Cleaning Requirement	Scrubbed	Back Wash	Scrubbed