

Scale Prevention Specialized for HORECA IEN series



- Create soft water through Ion-Exchange
- One filter for a full-duty
- Daily perfection: 30% By-pass

Prevention of scale build up in appliance machines

Create soft water through Ion-Exchange

- : Espresso machines boil water at high temperature/pressure thus generates scale (lime scale).
- : Through Microfilter's IEN Series, a work of ion exchange prevents scale that damages equipment applied for HORECA.

One filter for a full-duty

- : Granular Activated Carbon + Ion-Exchange Resin

Daily perfection: 30% By-pass

- : 70% elimination to provide the utmost water quality you deserve
- : Hardness Elimination : 51%, avg.
- : Ion-Exchange Efficiency : 77%(Approx. 6% better hardness elimination rate, 11% better ion-exchange efficiency)
- : Stable pH of 7.5-7.9 (Market products' pH : 6.5-6.8)

* Test Condition

Hardness : 180 +/- 10 ppm, pH : 7.5-7.9, Pressure : 4.2kgf/cm², Flow rate : 1.67LPM (IEN-3000/6000: 1.0LPM, IEN-9000: 1.67LPM)

* Tests conducted on basis to in-house standard

Additional packing information : IEN 1500 : 271*271*360 4pcs/box, 320pcs/pallet, 3200pcs/20ft, 6400pcs/40ft IEN 3000 : 271*271*436 4pcs/box, 256pcs/pallet, 2560pcs/20ft, 5120pcs/40ft
IEN 6000 : 370*370*470 4pcs/box, 144pcs/pallet, 1440pcs/20ft, 2880pcs/40ft IEN 9000 : 370*370*610 4pcs/box, 108pcs/pallet, 1080pcs/20ft, 2160pcs/40ft

IEN [1500, 3000, 6000, 9000]

Heat combined or water evaporated hard mineral can form chalky deposits known as limescale. These deposits reduce water flow by clogging pipes and coating heating elements which then requires more energy to heat water. Through this, your operation will lose efficiency by increasing the maintenance and energy cost. Microfilter's IEN Series contain NSF certified ion-exchange resin which is safe from reproduction of microorganisms when being kept unused or produced as filter components. Its abundant capacity is equivalent to a minimum of 4.2eq/L.

- Through Microfilter's IEN Series, calcium and magnesium are exchanged into soft minerals which prevent scale that damages HORECA appliance machines.
- By reducing chlorine taste and odor, it prevents the coffee bean from delivering metallic/bitter taste to your cup of espresso.

Specification

Prevention of Scale

GAC (Granular Activated Carbon) + IER (Ion Exchange Resin)

Benefit

Reduction of Scale, Chlorine Taste & Odor



Model	Size(inch, mm)	Flow rate (GPM)	Capacity (gal)	Life Cycle (month)	Benefit		
					Chlorine	Taste & Odor	Scale
IEN-1500	13", Φ120	0.26	405 (1,533 L)	6	•	•	•
IEN-3000	16", Φ120	0.26	794 (3,006 L)	6	•	•	•
IEN-6000	15", Φ160	0.26	1,586 (6,002 L)	6	•	•	•
IEN-9000	22", Φ160	0.44	2,377 (9000 L)	6	•	•	•