

## **PRODUCT DATA SHEET**

IMAC HP336 is a weak acid cation exchange resin containing carboxylic groups on an acrylic matrix. It is characterised by a high exchange capacity combined with a smaller volume variation than in the case of conventional carboxylic resins. IMAC HP336 is designed for potable water dealkalisation and treatment of waters used in food industries.

PROPERTIES	
Matrix Functional groups Physical form Ionic form as shipped Total exchange capacity [1]	COO <sup>-</sup> Opaque beads H <sup>+</sup>
Moisture holding capacity [1]Specific gravityShipping weightParticle size	54 to 58% (H <sup>+</sup> form) 1.14 to 1.18 (H <sup>+</sup> form) 700 g/L
Uniformity coefficient Harmonic mean size	≤ 1.9 550 to 750 μm
Fine contents [1]  Coarse beads  Maximum reversible swelling  Chemical resistance	> 1.180 mm : 5.0 % max H <sup>+</sup> → Na <sup>+</sup> : about 60 %
[1] Contractual value	

## SUGGESTED OPERATING CONDITIONS

Minimum bed depth \_\_\_\_\_ 700 mm Service flow rate \_\_\_\_\_ 5 to 40 BV\*/h Regenerant \_\_\_\_\_\_Concentration \_\_\_\_\_ HCl  $H_2SO_4$ 2 to 5 % 0.5 to 0.8 % Level \_\_\_\_\_ 110 % Flow rate \_\_\_\_\_ 2 to 8 BV Minimum contact time\_\_\_\_\_ 30 minutes Rinse requirements \_\_\_\_\_ About 10 BV

Test methods available upon request

<sup>\* 1</sup> BV (Bed Volume) = 1  $m^3$  solution per  $m^3$  resin

## **QUALITY CONTROL**

All Imac HP resins are manufactured and purified specially for use in non industrial applications. Every batch of IMAC HP336 is analysed to ensure its compliance with high purity specifications, in particular:

- Physical and chemical properties,
- Individual release of certain substances in the treated water.
- Global release of organic substances expressed in TOC (Total Organic Carbon),
- Total microbial count.

## CONDITIONING

IMAC HP336 is ready to use\*: all that is required at the time of commissioning is a 20 bedvolume rinse with the water to be treated.

- \* This is valid only if:
- 1. the resin is stored at a temperature of less than 25°C and protected from UV radiations.
- 2. the storage time between production date (printed on the bags) and final use does not exceed 6 months.

All our products are produced in ISO 9002 certified manufacturing facilities.

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