ARUKAL INSTRUMENTS
Enhancing Industrial Performance

Iron Removal Resin

Technical data sheet

Characteristics

Iron specific resin for groundwater

Appearance	Dark black, moist spherical beads
Shipping weight *	740 kg/m³ approximately
Particle size	0.3 to 1.2 mm
> 1.2 mm	5.0 %, maximum
< 0.3 mm	1.0 %, maximum
Effective size	0.45 to 0.55 mm
Uniformity coefficient	1.8, maximum
Moisture holding capacity	48 - 58 %
Minimum flow, greater than or equal to	1.73 gpm/ft³ of resin
	13.9 LPH/l of resin
	13.9 BV/h

Recommended influent conditions

pH range	> 6.5
Dissolved oxygen	Greater than 15 % of iron content
Alkalinity, minimum	100 ppm or 10 % of chlorides and sulphates combined, whichever is less
Oil and free chlorine	Nil
Organic matter	Less than 1.0 ppm
Total dissolved solids	2500 ppm, maximum
Total suspended solids	10 ppm, maximum
Temperature range	15 - 45 °C

* Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.