

AD26 MEDIA SPECIFICATIONS

Removal Mechanisms.....	Rapid Oxidation /Adsorption/ Autocatalytic Adsorption
Removal Efficiency.....	>95%
H2S Capacity.....	10.99 ounces/ ft3
Size	20 x 40 mesh
Color.....	Black
Physical Form.....	Granular Particulate
Moisture Content.....	<0.5%
Bulk Density.....	120 lbs/cu ft
Uniformity Coefficient.....	<1.45
MnO2 Content.....	70-80%
Certifications.....	NSF 61

- * Highly Resistant to Abrasion
- * No Air Scour Required
- * Effective Over Wide Ranges of Water Quality
- * No Hazardous Waste Generated
- * No Brine or Salt Required

AD26 OPERATING CONDITIONS

Treatment Goals.....	<0.3 mg/L Fe; <0.05 mg/L Mn; <0.010 mg/L As
pH Range.....	6.5 - 9.0
Temperature.....	Groundwater ambient (55 - 75°F)
Service Flow Rate.....	8-12 gpm/sq ft
Contact time.....	1.5 - 3 minutes @ Fe < 5 mg/L
Bed Depth.....	30 - 36 inches
Bed Expansion.....	20 - 30% Typical
Media Life.....	>10 years Typical
Pre-Oxidant.....	Hypochlorite Feed
Oxidant Contact Time.....	15 - 30 Seconds
Oxidant Dosage.....	0.5 - 2.0 ppm (Site Specific)
Backwash Flow Rate.....	18-20 gpm / sq ft
Backwash Frequency.....	1-3 times per week (Site Specific)
Pressure Drop.....	4 psig @ 9gpm / sq ft

AD26

Iron, Manganese & Arsenic Removal

