

# ARENA MICRO Z A7200

COD - 98

**Micro Z™**

is a high quality, granular, zeolite filter media that replaces conventional multimedia. It is produced from a unique mineral deposit having high surface area and porosity. The surface structure of Micro Z™ features microscopic mineral projections that allow particulate matter to penetrate deeply into the bed. These properties make Micro Z™ an ideal filtration media.

**ORDERING INFORMATION**

Part Number	Description
<b>A7200</b>	Micro Z™ high performance zeolite filter media (1 cubic foot bag)
<b>A7200-B</b>	Micro Z™ high performance zeolite filter media (2200 lb. super sack)

## Micro Z™ Loading Information

Vessel Diameter Inches (cm)	Media Quantity A7200 ft <sup>3</sup> (m <sup>3</sup> )	Under Bed A7005 lbs (kg)	Service Flow Rate gpm (lpm)	Backwash Flow Rate gmp (lpm)
9 (22.9)	1 (.028)	12 (5.4)	5-9 (18-34)	5 (19)
10 (25.4)	1.5 (.042)	15 (6.8)	7-10 (26-37)	7 (26)
12 (30.5)	2 (.056)	25 (11.3)	9-15 (34-57)	10 (38)
14 (35.6)	3 (.085)	40 (18.1)	13-21(49-80)	15 (57)
16 (40.6)	4 (.11)	55 (24.9)	17-28 (64-106)	20 (76)
22 (55.9)	6 (.17)	100 (45.4)	30-50 (113-130)	35 (132)
24 (61.0)	8 (.22)	200 (90.7)	38-62 (144-235)	40 (151)
30 (76.2)	10 (.28)	300 (136.1)	59-98 (223-371)	60 (227)
36 (91.4)	20 (.56)	500 (226.8)	85-140 (322-530)	85 (322)
42 (106.7)	30 (.85)	700 (317.5)	115-190 (435-719)	110 (416)
48 (121.9)	40 (1.13)	900 (408.2)	150-250 (568-946)	150 (568)

<b>FEATURES</b>	<b>BENEFITS</b>
Higher solids loading capacity	Reduces backwash frequency and conserves water
Enhanced filtration performance	Finer filtration provides higher quality water and reduces the load on downstream equipment
High service flow rate	Reduces new equipment cost and provides expansion opportunities for existing equipment
Light weight	Reduces shipping cost and is easier to handle
Lower pressure loss	Allows higher flow rates

### **Physical Properties**

- Color: Light Green
- Bulk Density: 55 lbs/cu ft (25kg)
- Specific Gravity: 2.2 gm/cc
- Mesh Size: 14 x 40
- Uniform Coefficient: 1.9
- Hardness: 4 (Mohs scale)

### **Conditions for Operation**

- Bed depth: 36 - 48 inches (91- 122 cm)
- Freeboard: 50% of bed depth
- Service flow rate: 12 - 20 gpm/sq ft  
(45 - 61 lpm/sq ft)
- Backwash bed expansion: 30 - 40%
- Allow bed to soak overnight before initial backwash

### **Micro Z™ vs. conventional media**

<b>Filter Media</b>	<b>Nominal Rating</b>	<b>Loading Capacity</b>
Sand	20μ	1.0 X
Sand & Anthracite	15μ	1.4 X
Multimedia	12μ	1.6 X
<b>Micro Z™</b>	5μ	2.8 X

