

Well Conditioner Systems and Iron Boss Application Check List

Customer Name _____ Address _____

Technician _____ Date and time _____

Test Raw Well Water and Record

GPM Flow _____ @PSI _____ Hardness _____ pH _____ Iron _____ Tannin _____ H₂S _____ TDS _____ Mn _____

Color _____ Turbidity _____ Odor like _____ Signs of algae / slime _____ Where _____

Service pipe size to house _____" Pipe Material _____ Pump PSI cut On _____ / Off _____

People living in House _____ Ages _____

Bathrooms- Full _____ Half _____ # Garden Tubs _____ # Multi-head showers _____

Clothes Washer _____ Dish Washer _____ Irrigation _____

Determine pump flow in GPM @30 PSI select properly sized Iron Boss

| Pump GPM Chart | | | Iron Boss Unit | | To Determine flow in GPM: |
|----------------|---------|-------|----------------|---------------------|---|
| dynamic low | | | Tank | Media | |
| Gallons | Seconds | GPM | Size | Ft ³ | 1) Open a hose bibb closest to pump 2) Run drain or ground) until pump turns on 3) Watch pressure gauge & Fill 5 gal bucket 4) Time seconds to fill bucket @ min. 30PSI 5) Match seconds to chart @left |
| 5 | 42 | 7.14 | 10x54 | 1ft ³ | |
| 5 | 33 | 9.09 | 12x52 | 1.5 ft ³ | |
| 5 | 27 | 11.11 | 13x54 | 2 ft ³ | |

| Tank Diam | Media Cft | Capacity PPM | Calculated Gal | Sq Ft | Service | Peak | Backwash |
|-----------|-----------|--------------|----------------|-------|---------|------|----------|
| 10 | 1 | 5000 | | 0.55 | 2.5 | 3.7 | 7 |
| 12 | 1.5 | 7500 | | 0.78 | 4 | 6 | 9.5 |
| 13 | 2 | 10000 | | 0.92 | 4.5 | 7 | 11 |
| 14 | 2.5 | 12500 | | 1 | 5 | 7.5 | 12 |
| 16 | 3 | 15000 | | 1.4 | 7 | 10 | 17 |
| 18 | 4 | 20000 | | 1.77 | 8.5 | 13 | 21 |
| 21 | 5 | 25000 | | 2.4 | 12 | 18 | 30 |

| Contaminate | Demand X PPM | Quantity | Oxygen Demand | Determine Calculated Capacity: |
|-------------|---------------------|----------|---------------|---|
| Iron | 1 X | | | Divide "Capacity PPM" in table above by Total Demand below for "Calculated Gal" |
| Manganese | 2 X | | | |
| Sulphur | 3 X | | | |
| | Total Oxygen Demand | | In PPM | ← Divide by this total |