TERTIARY FILTER VOLUME DATA

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Filter** | **Filter** | **Design** | **Filter Cell** | **Backwash** | **Backwash** | **Chlorine** | **Backwash** | **Surge** | **Air Scour** |
| **Drawing** | **Model** | **Flow** | **Area** | **Surge Tank** | **Clearwell** | **Tank** | **Pump** | **Pump** | **Blower** |
| **Number** | **Number** | **Gal / Day** | **Sq. Ft.** | **Gallons** | **Gallons** | **Gallons** | **GPM HP Model** | **GPM HP Model** | **CFM HP Model** |
|  |  | **See Note 1** | **Each Cell** |  |  |  | **See Note 2 & 3** | **See Note 3** | **See Note 3** |
| **PF-1-C** | TF-2-2-C | 5,000 | 2 | 307 | 309 | 103 | 30 0.5 WS0532B | 0.5 .50 WS0532B | No Air Scour on this small unit |
| **PF-2-C** | TF-2-6-C | 17,000 | 6 | 960 | 1040 | 445 | 90 0.75 WS0738BF | 1.7 .50 WS0532B | 15 1.0 URAI-22 |
| **PF-2-C** | TF-2-7-C | 20,000 | 7 | 1390 | 1060 | 520 | 105 0.75 WS0738BF | 2 .50 WS0532B | 15 1.0 URAI-22 |
| **PF-3-C** | TF-2-11-C | 31,000 | 11 | 1765 | 1945 | 920 | 165 1.5 WS1532D3 | 3 .50 WS0532B | 15 1.0 URAI-22 |
| **PF-3-C** | TF-2-14-C | 40,000 | 14 | 2250 | 2120 | 1150 | 210 1.5 WS1532D3 | 4 .50 WS0532B | 15 1.0 URAI-22 |
| **PF-4-C** | TF-2-18-C | 51,000 | 18 | 2890 | 2710 | 1380 | 270 2.0 WS2032D3 | 5 .50 WS0532B | 25 1.5 URAI-22 |
| **PF-4-C** | TF-2-21-C | 60,000 | 21 | 3375 | 3185 | 1660 | 315 3.0 WS3032D3 | 6 .50 WS0532B | 25 1.5 URAI-22 |
| **PF-4-C** | TF-2-25-C | 72,000 | 25 | 4020 | 3825 | 1935 | 375 5.0 WS5032D3 | 7 .50 WS0532B | 32 2.0 URAI-22 |
| **PF-5-C** | TF-2-28-C | 80,000 | 28 | 4500 | 4200 | 2210 | 420 5.0 WS5032D3 | 8 .50 WS0532B | 32 2.0 URAI-22 |
| **PF-5-C** | TF-2-32-C | 92,000 | 32 | 5145 | 4880 | 2485 | 480 7.5 WS7532D4 | 9 .50 WS0532B | 32 2.0 URAI-24 |
| **PF-5-C** | TF-2-35-C | 100,800 | 35 | 5570 | 5260 | 2625 | 525 7.5 4SHDF75N4 | 10 .50 WS0532B | 42 2.0 URAI-24 |
| **PF-6-C** | TF-2-39-C | 112,300 | 39 | 6270 | 5895 | 3040 | 585 7.5 4SHDG75N4 4SHDG75N4 | 11 .50 WS0532B | 42 2.0 URAI-24 |
| **PF-6-C** | TF-2-42-C | 120,900 | 42 | 6750 | 6370 | 3180 | 630 7.5 4SHDG75N4 | 12 .50 WS0532B | 42 2.0 URAI-24 |
| **PF-6-C** | TF-2-46-C | 132,400 | 46 | 7235 | 6910 | 3455 | 690 10.0 4SHDG100N4 | 13 .50 WS0532B | 52 2.0 URAI-24 |
| **PF-6-C** | TF-2-49-C | 141,100 | 49 | 7715 | 7385 | 3735 | 735 10.0 4SHDG100N4 | 14 .50 WS0532B | 52 2.0 URAI-24 |
| **PF-6-C** | TF-2-53-C | 152,600 | 53 | 8360 | 8065 | 4010 | 795 10.0 4SHDG100N4 | 15 .50 WS0532B | 52 2.0 URAI-24 |

Note 1: Flow rate design based on 1 gpm / sq. ft. Note 2: Backwash flow rate based on 15 gpm / sq. ft.

Note 3: Models shown are Roots in DGT B-A Fiberglass Enclosures

Page 2

Cat-fil. vol. data.xls 11/17/98

Rev.3-1-2015