MINIMUM/DESIGN FLOW WORKSHEET

MIMINUM FLOWS

1. Minimum turnover = _____ hours (see page 1, item 1)

2. Minimum gpm = pool capacity in gallons / turnover in hours x 60 min / hour = _____ = _____ gpm

3. Minimum main drain gpm = answer from step 2 x .5 = _____ x .5 = _____ gpm

4. Minimum main gutter gpm = answer from step 2 x .5 = _____ x .5 = _____ gpm

5. Minimum gpm per gutter drain = answer from step 4 / # of gutter drains = _____ = _____ gpm

6. Minimum main skimmer gpm = answer from step 2 x .8 (pools) .67 (spas) = _____ x _____ = _____ gpm

7. Minimum gpm per skimmer = answer from step 6 / # of skimmers = _____ x _____ gpm

8. Minimum flow per inlet = answer from step 2 / # of inlets = _____ = _____ gpm

MAXIMUM FLOW THROUGH FILTER

9. Maximum gpm through filter = filter area in sq. feet x max. gpm per sq. feet approved by NSF = _____ x _____ = _____ gpm

DESIGN FLOWS

10. Design turnover = pool capacity in gallons / flow in gpm x 60 min. / hour = _____ = _____ hours

11. Design gpm = pool capacity in gallons / turnover in hours x 60 min / hour = _____ = _____ gpm

12. Design main drain gpm = answer from step 11 x .5 = _____ x .5 = _____ gpm

13. Design main gutter gpm = answer from step 11 x .5 = _____ x .5 = _____

14. Design gpm per gutter drain = answer from step 13 / # of gutter drains = _____ = _____ gpm

15. Design main skimmer gpm = answer from step 11 x .8 (pools) .67 (spas) = _____ x _____ = _____ gpm

16. Design gpm per skimmer = answer from step 15 / # of skimmers = _____ = _____ gpm

17. Design flow per inlet = answer from step 11 / # of inlets = _____ = _____ gpm

NOTES

1. Minimum turnover cycle requirement is to be met at dirty filter. Design flows are to be at clean filter and should provide a flow in excess of the minimum in order to provide an acceptable filter run.

2. Use the answers from steps 11-17 in filling out the rest of the form.