

### PERFORMANCE CHARTS

These charts show actual system performance with friction loss factored in for various discharge pipe lengths. Calculations and performance based on a system with 2" PVC, schedule 40 plastic pipe (C150), (4) 90° elbows, (1) check valve and (1) shut-off valve. Wastewater requires a minimum scouring velocity of 21gpm for 2" pipe. Shaded areas do not provide min. scouring velocity - use only for gray water with no solids.

#### PS4

| Pipe Length | GPM                  |    |    |    |    |    |    |    |    |    |
|-------------|----------------------|----|----|----|----|----|----|----|----|----|
|             | Vertical Head (Feet) |    |    |    |    |    |    |    |    |    |
|             | 2                    | 4  | 6  | 8  | 10 | 12 | 14 | 16 | 18 | 20 |
| 25          | 96                   | 88 | 82 | 74 | 65 | 54 | 43 | 33 | 24 | 14 |
| 50          | 83                   | 77 | 70 | 63 | 56 | 47 | 38 | 30 | 22 | 13 |
| 75          | 74                   | 68 | 62 | 56 | 49 | 42 | 35 | 28 | 21 | 13 |
| 100         | 67                   | 62 | 57 | 51 | 45 | 39 | 33 | 26 | 19 | 12 |
| 150         | 57                   | 53 | 48 | 44 | 39 | 34 | 29 | 23 | 17 | 11 |
| 200         | 51                   | 47 | 43 | 39 | 35 | 31 | 26 | 22 | 16 | 10 |
| 250         | 46                   | 43 | 39 | 36 | 33 | 28 | 24 | 21 | 16 | 10 |
| 300         | 43                   | 39 | 37 | 34 | 30 | 27 | 23 | 19 | 15 | 9  |

#### PS5

|     | 4   | 6  | 8  | 10 | 12 | 14 | 16 | 18 | 20 | 22 |
|-----|-----|----|----|----|----|----|----|----|----|----|
| 25  | 105 | 99 | 91 | 84 | 75 | 65 | 55 | 45 | 35 | 25 |
| 50  | 90  | 85 | 78 | 71 | 63 | 56 | 48 | 40 | 32 | 24 |
| 75  | 80  | 74 | 69 | 62 | 57 | 50 | 44 | 37 | 30 | 22 |
| 100 | 72  | 67 | 62 | 57 | 52 | 46 | 40 | 34 | 28 | 21 |
| 150 | 61  | 58 | 54 | 49 | 45 | 40 | 35 | 31 | 25 | 18 |
| 200 | 54  | 51 | 48 | 44 | 40 | 36 | 32 | 28 | 23 | 17 |
| 250 | 50  | 47 | 44 | 40 | 37 | 34 | 30 | 26 | 21 | 16 |
| 300 | 46  | 43 | 40 | 37 | 34 | 31 | 28 | 24 | 20 | 15 |

