Headloss Chart

Model 100MES & MLES FLAMATIC®

Sizes 1"F x 1-1/4"M / 25 mm x 32 mm

Flomatic Corporation





| | PSI FEET | | | | | | | | | | | | | | | | | | | |
|---------------------|----------|------|-------------|--|--|---|--|--|---|--|--|---------------|---------------|--|--|---|--|--|----------|--|
| _ | | | 1-1/4" x 1" | | | | | | | | | | | | | | | | | |
| (psi) | 10 | 23.1 | | | | | | | | | | | | | | | | | | |
| | 8 | 18.5 | | | | _ | | | - | | | | -/ | | | _ | | | \vdash | |
| | | | | | | + | | | 1 | | | | \mathcal{A} | | | + | | | \vdash | |
| S | 6 | 13.9 | | | | + | | | 1 | | | | | | | | | | \vdash | |
| PRESSURE LOSS (psi) | 5 | 11.5 | | | | | | | - | | | \mathcal{A} | | | | | | | \vdash | |
| | 4 | 9.2 | | | | | | | | | | | | | | | | | | |
| | | 9.2 | | | | | | | | | | | | | | | | | | |
| | 3 | 6.9 | | | | | | | | | | | | | | | | | | |
| | | 0.0 | | | | | | | | | | | | | | | | | | |
| | • | 4.6 | | | | | | | | | | | | | | | | | | |
| 2 | 2 | 4.6 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2.3 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

Headloss charts are not to be used for valve sizing

| Velocity (ft/sec) | | | | | | | |
|-------------------|----------|----------|----------|-----------|--|--|--|
| Size | 3 ft/sec | 5 ft/sec | 8 ft/sec | 10 ft/sec | | | |
| 1" | 9 gpm | 13 gpm | 21 gpm | 27 gpm | | | |
| 1-1/4" | 14 gpm | 22 pgm | 37 gpm | 45 gpm | | | |

FLOW RATE (gpm)

70 60 50 40 30

verified by independent lab

| Size | 1-1/4" |
|------|--------|
| Cv | 13 |

Note: For longer service life & higher efficiencies it is recommended that flow velocities be between 3 to 10 feet/second

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