

MAXIMUM RECOMMENDED FLOW TABLE

Best Management Products, Inc.

SNOUT Oil-Water-Debris Separator

K-factor Worksheet. Outlet pipe partially full. $H=K V_o^2 / (2g)$

where H=Head loss in manhole with SNOUT (ft). K=K factor from table.

V_o =Outlet pipe velocity (fps). $g=32.174 \text{ ft/s}^2$

| BMP SNOUT Model | Max. Pipe I.D. (in.)* | INPUTS | | RESULTS | |
|--------------------|--------------------------|-----------------------------|--------------------------|-----------------------------|----------|
| | | Design Max Flow (cfs) | Design Velocity (fps) | Head Loss w/ SNOUT (ft.) | K factor |
| 12F | 10 | 0.6 | 5 | 0.51 | 1.31 |
| 12R | 10 | 0.7 | 5 | 0.58 | 1.50 |
| 18F | 15 | 3.2 | 5 | 0.62 | 1.59 |
| 18R | 15 | 3.8 | 5 | 0.64 | 1.65 |
| 24F | 18 | 7 | 6 | 0.93 | 1.67 |
| 24R | 18 | 8.25 | 6 | 0.93 | 1.66 |
| 30F | 24 | 11.5 | 8 | 1.03 | 1.04 |
| 30R | 24 | 14 | 8 | 1.04 | 1.04 |
| 36FTB** | 30 | 19 | 9 | 1.36 | 1.08 |
| 42RTB60** | 36 | 26 | 10 | 1.43 | 0.92 |
| 48F** | 42 | 36 | 10 | 1.54 | 0.99 |
| 52RTB72** | 42 | 43 | 10 | 1.70 | 1.09 |
| 52RTB84** | 42 | 48 | 10 | 1.72 | 1.11 |
| 72FTBB** | 60 | 90 | 10 | 1.90 | 1.22 |
| 72RTB96** | 66 | 95 | 10 | 2.35 | 1.51 |
| 96FTB** | 72 | 110 | 10 | 0.90 | 0.58 |
| 96FTBB** | 72 | 125 | 10 | 1.16 | 0.75 |
| NP1836R | 18 | 6.5 | 6 | 0.70 | 1.26 |

*SNOUT must fit over pipe O.D. to ensure proper installation. Pipes with heavy wall thickness (e.g. RCP) may require a larger SNOUT size to fit over the pipe even though pipe I.D. could be accommodated by a smaller SNOUT

** For Flows above Max Recommendation, HD (Heavy Duty) Versions are available. These do not have more flow capacity, but the HD SNOUTs are made with a 1708 biaxial fabric reinforcement for additional strength.

USER NOTE: To increase flow capacity or to minimize losses, choose a larger SNOUT model as needed.

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