

WASTEFLOW PC^{SD} 1gph



Features

Ideal for undulating terrain where vacuum relief is tricky, Geoflow's anti-siphon dripline features a slow drain dripper. Slow to release water when not pressurized, WASTEFLOW PC^{SD} reduces suction of soil into the dripline. We carefully selected the slow release rather than the non release option for wastewater applications for 2 reasons: reduction of biological growth and freezing. Emptying the dripline slowly will avoid pipes from bursting in freezing zones, or plugging from biological growth that may occur when wastewater sits in dripline for long periods of time. Ultimately WASTEFLOW PC^{SD} reduces suction of soil into the drippers without compromising freezing or internal clogging.

Alternative spacing & flow rates available upon request.

Flow Rate vs. Pressure

| Pressure | Head | ALL WASTEFLOW PC 1 gph dripline |
|----------|------------|------------------------------------|
| 7-60 psi | 16-139 ft. | 1.02 gph |

WASTEFLOW PC^{SD} 1 gph Specification

The dripline shall consist of nominal sized one-half inch linear low density polyethylene tubing, with slow draining anti siphon, turbulent flow drip emitters bonded to the inside wall. The drip emitter flow passage shall be 0.032" x 0.045" square. The tubing shall have an outside diameter (O.D.) of approximately .64-inches and an inside diameter (I.D.) of approximately .55-inches. The tubing shall consist of three layers; the inside layer shall be *Geoshield*® protection, the middle layer shall be black and the outside layer shall be purple striped for easy identification. The dripline shall have emitters regularly spaced 24" (or 12") apart. The pressure compensating emitters shall be molded from virgin polyethylene resin with a silicone rubber diaphragm. The pressure compensating emitters shall have nominal discharge rates of 1.02 gallons per hour. The emitters shall be impregnated with Treflan® to inhibit root intrusion for a minimum period of fifteen years and shall be guaranteed by the manufacturer to inhibit root intrusion for this period. 1.02 gph WASTEFLOW PC slow drain pressure compensating dripline shall be Geoflow model number WFPCsd16-4-24 or WFPCsd16-4-12.

- Slow Drain Anti Syphon is manufactured under US Patent 7445168BC.
- WASTEFLOW is manufactured under US Patents 5332160,5116414 and Foreign equivalents.
- *Geoshield*® and WASTEFLOW® are registered trademark of A.I.Innovations

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SD = Slow Drain Anti-siphon

Maximum Length of Run vs. Pressure

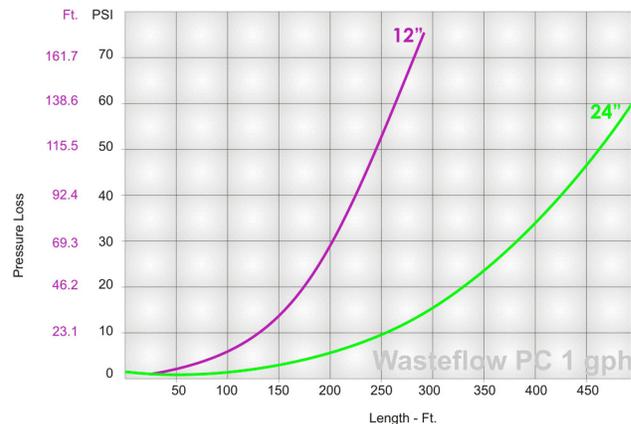
Allows a minimum of 10 psi in the line.
Recommended operating pressure 10-45 psi.

| psi | Pressure ft. | Emitter Spacing | |
|--------|-----------------|-----------------|------|
| | | 12" | 24" |
| 10 psi | 23.10 ft. | 95' | 175' |
| 15 psi | 34.65 ft. | 115' | 211' |
| 20 psi | 46.20 ft. | 146' | 265' |
| 25 psi | 57.75 ft. | 171' | 315' |
| 30 psi | 69.30 ft. | 180' | 335' |
| 35 psi | 80.85 ft. | 199' | 379' |
| 40 psi | 92.40 ft. | 211' | 385' |
| 45 psi | 103.95 ft. | 222' | 429' |
| 50 psi | 115.5 ft. | 232' | 431' |

Note: For typical wastewater applications maximum lengths of run should not exceed 300 ft. This is to maintain uniformity in the dripfield with short run cycles typical of onsite wastewater dispersal.

Kd = 2.070

Pressure Loss vs. Length of Run



GEOFLOW
SUBSURFACE DRIP
www.geoflow.com
800-828-3388

WASTEFLOW PC^{SD} 1/2 gph



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SD = slow drain anti-siphon dripline

Kd = 2.070

Flow Rate vs. Pressure

| Pressure | Head | ALL WASTEFLOW PC 1/2 gph dripline |
|----------|------------|--------------------------------------|
| 7-60 psi | 16-139 ft. | 0.53 gph |

WASTEFLOW PC^{SD} 1/2 gph Specification

The dripline shall consist of nominal sized one-half inch linear low density polyethylene tubing, with turbulent flow slow draining anti siphon drip emitters bonded to the inside wall. The drip emitter flow passage shall be 0.032" x 0.045" square. The tubing shall have an outside diameter (O.D.) of approximately .64-inches and an inside diameter (I.D.) of approximately .55-inches. The tubing shall consist of three layers; the inside layer shall be a *Geoshield*® protection, the middle layer shall be black and the outside layer shall be purple striped for easy identification. The pressure compensating emitters shall be molded from virgin polyethylene resin with a silicone rubber diaphragm. The pressure compensating emitters shall have nominal discharge rates of 0.53 gallons per hour. The emitters shall be impregnated with Treflan® to inhibit root intrusion for a minimum period of fifteen years and shall be guaranteed by the manufacturer to inhibit root intrusion for this period. Dripline shall be Geoflow model number WFPCSD16-2-12, WFPCSD16-2-18 or WFPCSD16-2-24

Maximum Length of Run vs. Pressure

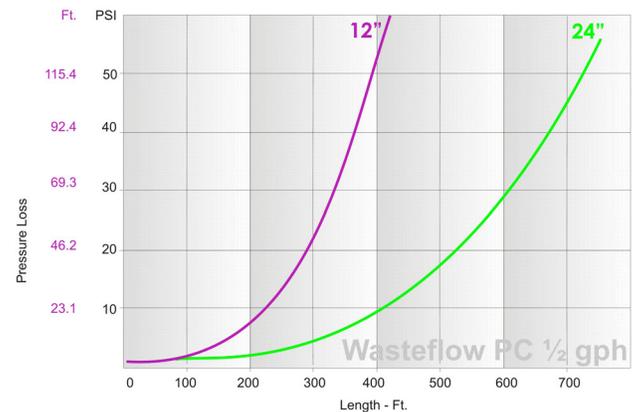
Allows a minimum of 10 psi in the line.

Recommended operating pressure 10-45 psi.

| Pressure psi | Pressure ft. | Emitter Spacing | |
|-----------------|-----------------|-----------------|------|
| | | 12" | 24" |
| 15 psi | 34.65 ft. | 174' | 321' |
| 20 psi | 46.20 ft. | 229' | 424' |
| 25 psi | 57.75 ft. | 260' | 478' |
| 30 psi | 69.30 ft. | 288' | 535' |
| 35 psi | 80.85 ft. | 313' | 576' |
| 40 psi | 92.40 ft. | 330' | 612' |
| 45 psi | 103.95 ft. | 354' | 651' |
| 50 psi | 115.5 ft. | 363' | 675' |

Note: For typical wastewater applications maximum lengths of run should not exceed 300 ft. This is to maintain uniformity in the dripfield with short run cycles typical of onsite wastewater dispersal.

Pressure Loss vs. Length of Run



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