



Harvel® EnviroKing™ has been developed as a clear PVC piping that is suitable for exposure to sunlight. Unique UV blocking technology reduces harmful ultraviolet light wavelengths from penetrating the plastic while allowing beneficial wavelengths through.

These unique attributes provide a durable containment vessel that has been optimized to improve light transmission through the pipe without jeopardizing product integrity. This enables Harvel® EnviroKing™ to provide a cost-effective solution for photobioreactor tubing and other outdoor applications exposed to sunlight where transparency is required.

## Product Features

- Manufactured to both ThinWall™ and standard Schedule 40 dimensions.
- Joined utilizing simple solvent-welded joining techniques
- Manufactured to IPS dimensions - Fully compatible with standard PVC pipe, fittings, and valves
- Corrosion resistant
- Non-conductive
- Lightweight, easy to handle and install
- Lower overall installed cost than glass, acrylic, or other transparent alternatives

## Harvel EnviroKingUV™ ThinWall™

Harvel EnviroKingUV™ is a low-pressure containment pipe which provides optimum dimensions for use as photobioreactor vessels and similar applications. For example, when used in photobioreactors, the unique wall dimensions improve light transmission characteristics beneficial for enhanced algae growth, while maintaining product rigidity.

| Nominal Pipe Size (inches) | O.D.   | Average I.D. | Min. Wall | Nominal Wt./Ft. | Max. W.P. PSI* |
|----------------------------|--------|--------------|-----------|-----------------|----------------|
| 2                          | 2.375  | 2.173        | 0.091     | 0.456           | 80             |
| 3                          | 3.500  | 3.210        | 0.135     | 0.966           | 80             |
| 4                          | 4.500  | 4.134        | 0.173     | 1.569           | 80             |
| 6                          | 6.625  | 6.251        | 0.172     | 2.391           | 70             |
| 8                          | 8.625  | 8.251        | 0.172     | 3.134           | 53             |
| 10                         | 10.750 | 10.376       | 0.172     | 3.923           | 43             |
| 12                         | 12.750 | 12.376       | 0.172     | 4.666           | 36             |

\* Pressure ratings shown are for water at 20°C

## Harvel EnviroKingUV™ Schedule 40

Harvel EnviroKingUV™ is also manufactured in IPS sizes to Schedule 40 dimensions, which provide sufficient wall thickness for many pressure applications. It is suitable for use in both positive and negative pressure applications (i.e., vacuum service).

| Nominal Pipe Size (inches) | O.D.  | Average I.D. | Min. Wall | Nominal Wt./Ft. | Max. W.P. PSI* |
|----------------------------|-------|--------------|-----------|-----------------|----------------|
| 1/2                        | 0.840 | 0.602        | 0.109     | 0.170           | 300            |
| 3/4                        | 1.050 | 0.804        | 0.113     | 0.226           | 240            |
| 1                          | 1.315 | 1.029        | 0.133     | 0.333           | 220            |
| 1 1/4                      | 1.660 | 1.360        | 0.140     | 0.450           | 180            |
| 1 1/2                      | 1.900 | 1.590        | 0.145     | 0.537           | 170            |
| 2                          | 2.375 | 2.047        | 0.154     | 0.720           | 140            |
| 2 1/2                      | 2.875 | 2.445        | 0.203     | 1.136           | 150            |
| 3                          | 3.500 | 3.042        | 0.216     | 1.488           | 130            |
| 3 1/2                      | 4.000 | 3.521        | 0.226     | 1.789           | 120            |
| 4                          | 4.500 | 3.998        | 0.237     | 2.118           | 110            |
| 6                          | 6.625 | 6.031        | 0.280     | 3.733           | 90             |

\* Pressure ratings shown are for water at 20°C

