

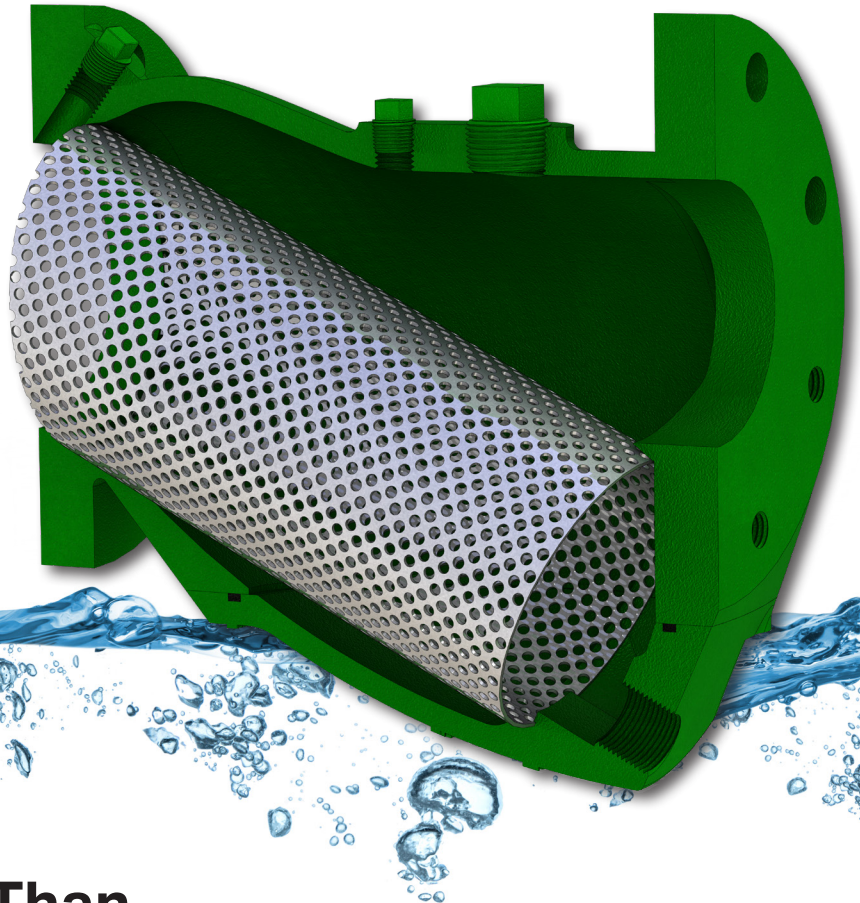
Re-Engineering History



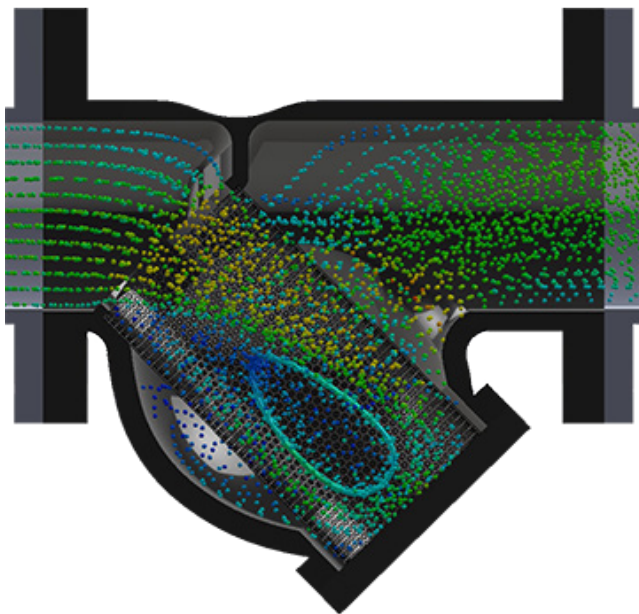
The Low Pressure Drop (LPD) Y-Strainer

Metraflex has re-engineered the 110-year-old strainer and given it a leaner interior with fewer obstructions for a straight, smooth flow.

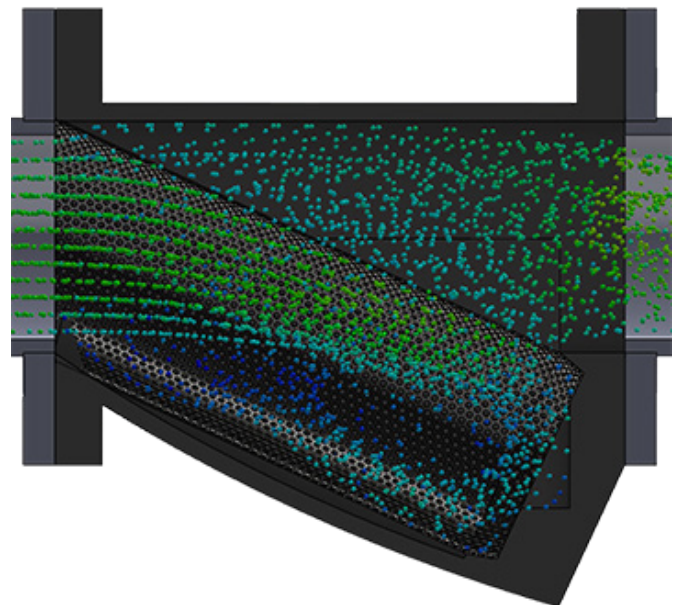
The result is **significantly lower pressure drops**, resulting in more efficient pump performance, saving hundreds of dollars a year.



Lower Pressure Drops Than Traditional, Old-Style Y-Strainers



Traditional Y-Strainer



LPD Y-Strainer

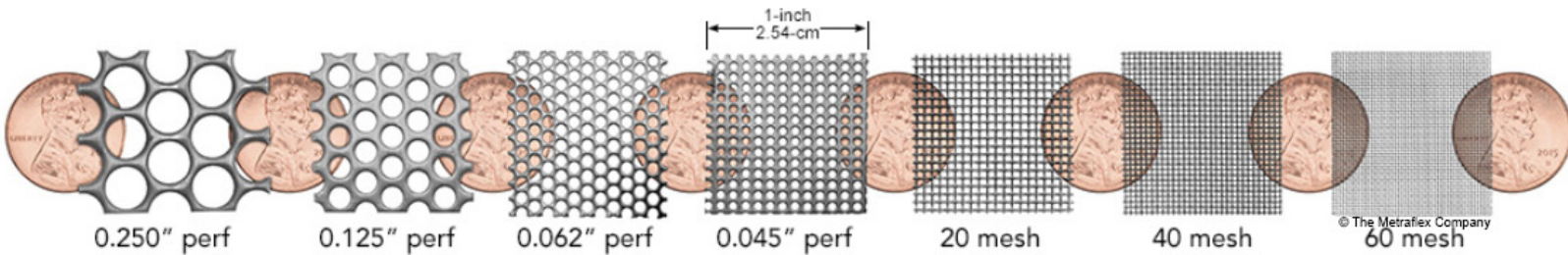
Others Just Can't Measure Up!

Screen Open Areas
 .033 – 34% open area
 .045 – 36% open area
 .062 – 40% open area
 .125 – 40% open area

Size	Traditional Y Strainer	LPD Y Strainer
NPS	C_v	C_v
2	70 (.065 Perforation) †	120 (.045 Perforation) *
2 ½	110 (.065 Perforation) †	165 (.045 Perforation) *
3	140 (.065 Perforation) †	236 (.045 Perforation) *
4	229 (.033 Perforation) *	460 (.125 Perforation) *
5	400 (.125 Perforation) †	641 (.125 Perforation) *
6	605 (.125 Perforation) *	952 (.125 Perforation) *
8	887 (.125 Perforation) *	1580 (.125 Perforation) *
10	1400 (.125 Perforation) *	2424 (.125 Perforation) *
12	2200 (.125 Perforation) †	3567 (.125 Perforation) *

† - Published Information * - Tested Information

C_v - The industry standard method to compare flow through products.
 C_v equals the number of GPM that will flow through the strainer at 1 psi of pressure drop.



Larger Screens with More Surface Area

The LPD Y-strainer internal design also accommodates a significantly larger screen, up to 30% larger. This larger screen has more holes allowing smoother fluid flow.

In addition, as debris collects, the same amount of debris trapped by both the new LPD Y-strainer screen and a traditional, old Y-strainer screen covers a significantly smaller percentage of the new LPD Y-strainer screen.

This contributes to lower pressure loss. It also takes longer for debris to collect and significantly impact strainer performance.



A dollar bill is 16.3 sq. in. (105 sq. cm.)