

LPD Y-STRAINER

Low Pressure Drop Strainer



Compared to the competition:
This 4" LPD Y-Strainer can

SAVE \$320.55 per year.

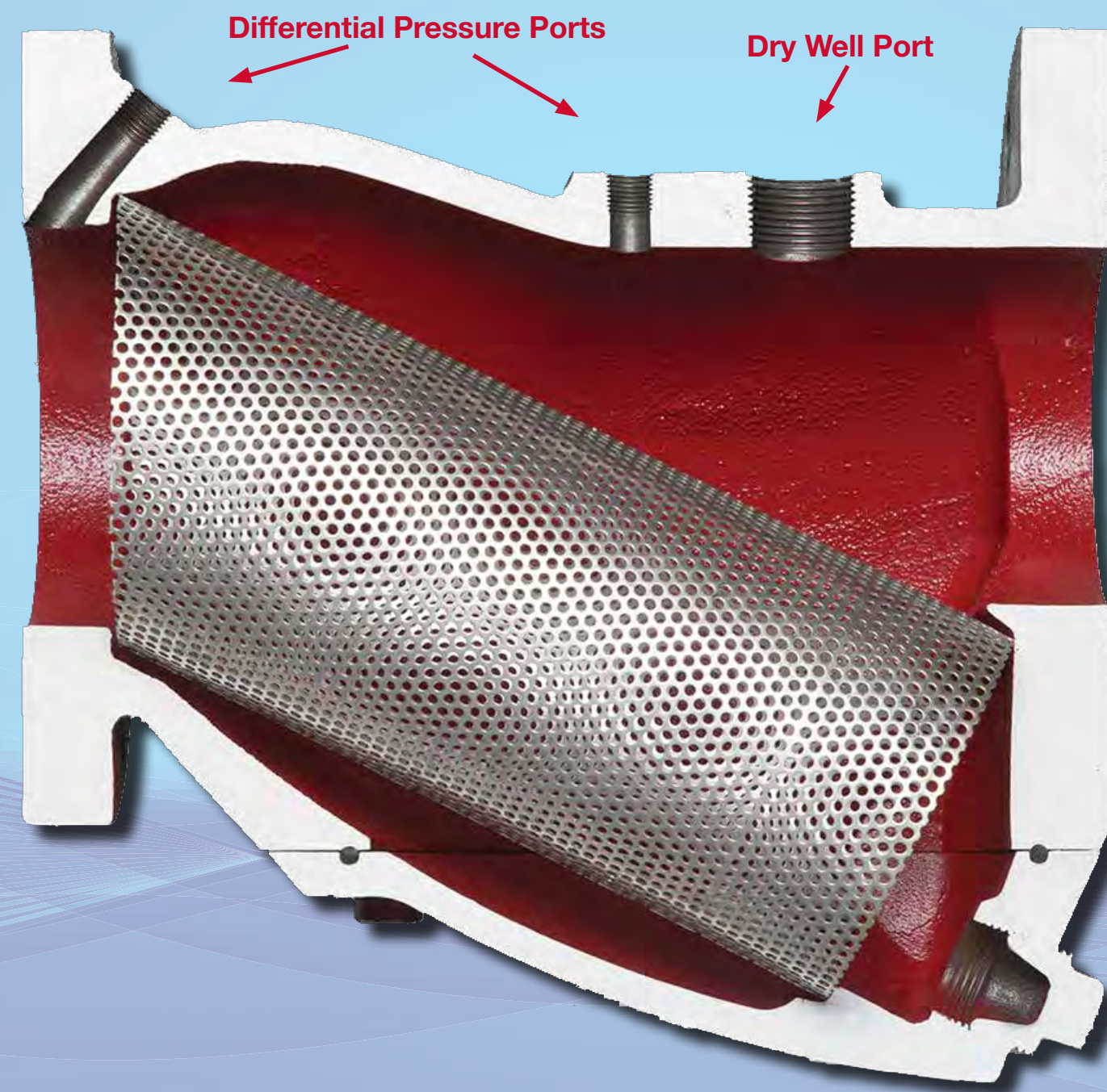
See calculator for your savings!

Metraflex[®]

Utah Water Research Laboratory



WE DIDN'T INVENT THE Y-STRAINER... WE JUST GOT IT RIGHT!



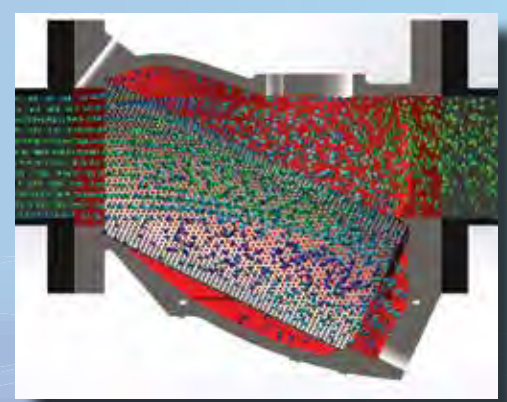
Best flow in the industry.

| Size | Cv Competitor | Cv LPD |
|-------|---------------|--------|
| 2 | 70 | 120* |
| 2-1/2 | 110 | 160 |
| 3 | 150 | 236 |
| 4 | 270 | 460 |
| 5 | 390 | 600* |
| 6 | 580 | 952 |
| 8 | 920 | 1580 |
| 10 | 1600 | 2424 |
| 12 | 2200 | 3200* |

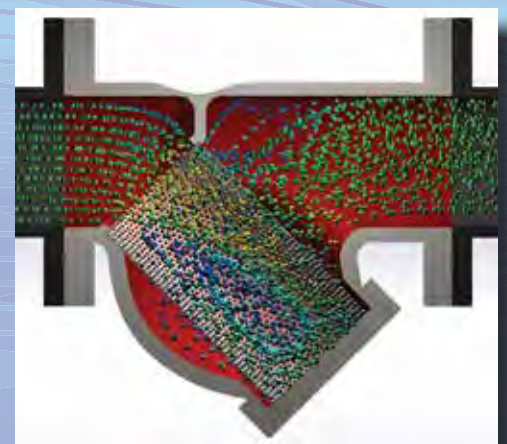
*Pending verification from Utah Water Research Lab.

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

2016 Design



Circa 1908 Design



For videos and technical data visit www.metroflex.com/lpd
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LOWER PRESSURE DROP WILL REDUCE OVERALL PUMP HEAD AND MOTOR BHP, WHICH WILL CONTRIBUTE TO INCREASED LEED POINTS

LPD Y Strainer Energy Savings Calculator

Enter your pipe size in.

Enter your flow rate GPM
or FPS

Enter your pump efficiency %

Enter your motor efficiency %

Hours of operation / year hours

Your cost per kWh \$

How much debris sq. in.

18.0254 sq. in. is equal to the size of a dollar bill.

Here's how they compare

| | Old Y Strainer | LPD Y Strainer |
|-------------------------|----------------|----------------|
| Cv* | 270 | 460 |
| Pressure drop (psi) | 1.9 | 0.6 |
| Screen area (sq. in.) | 121 | 147.3 |
| % of clogged area | 13.2 | 10.9 |
| HP required | 0.61 | 0.2 |
| kWh required | 0.45 | 0.15 |
| Total kWh | 3981.04 | 1309.75 |
| Annual electricity cost | \$ 477.72 | \$ 157.17 |

An LPD Y Strainer saves \$320.55 per year

* Cv is the number of U.S. gallons/minute of 60 degF water that will flow through a strainer with 1 psi pressure drop across the strainer.

[Show Me the Math](#)



4" Competitor



4" LPD

Clogging/Blockage -
When comparing competitors literature to the LPD be sure to compare square areas!!

20% blockage of the LPD does not equal 20% of our competitors square area.

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