

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!

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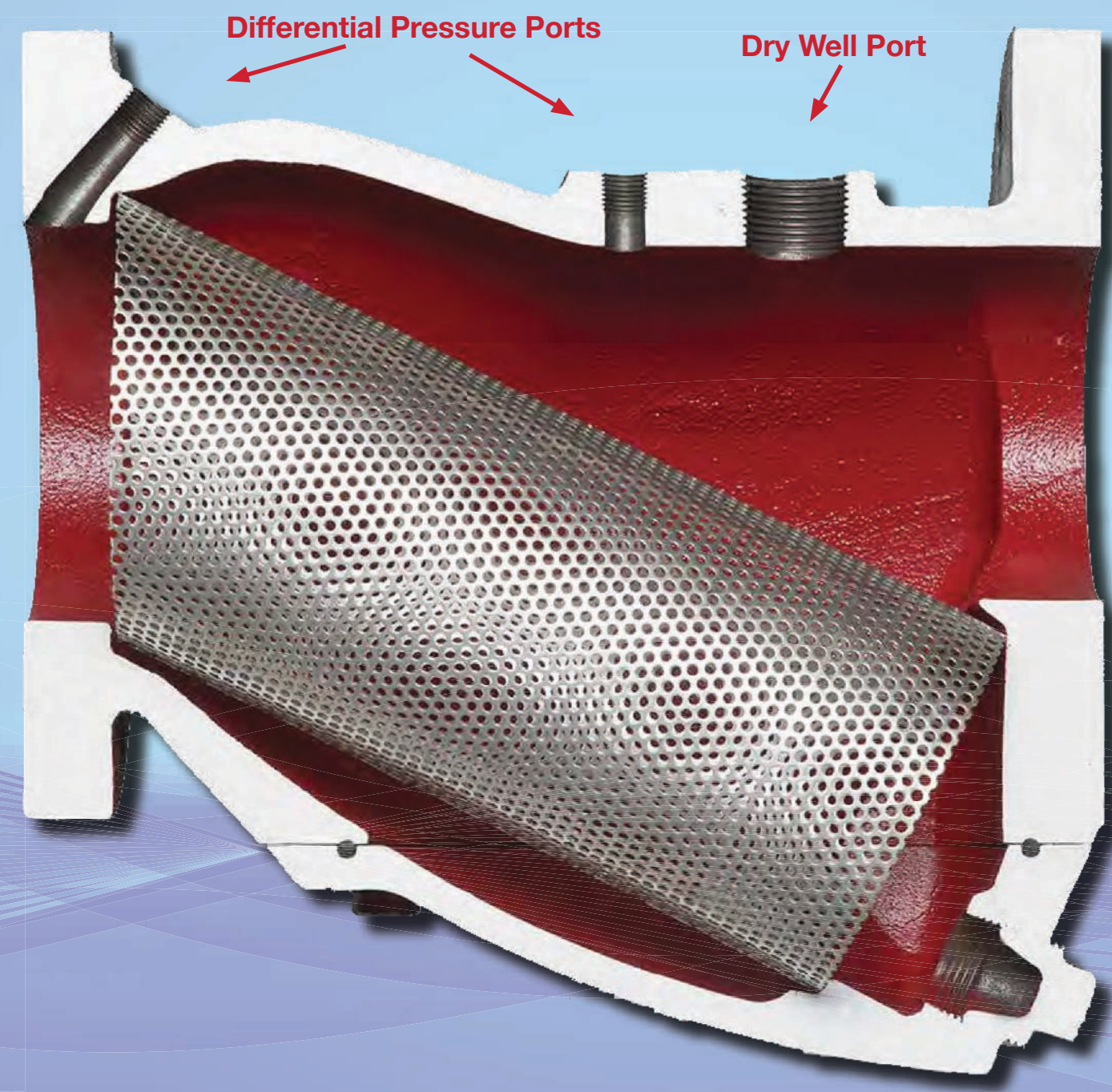
ENERGY SAVING PUMP PROTECTION SOLUTIONS

Partners to present innovative
solutions from

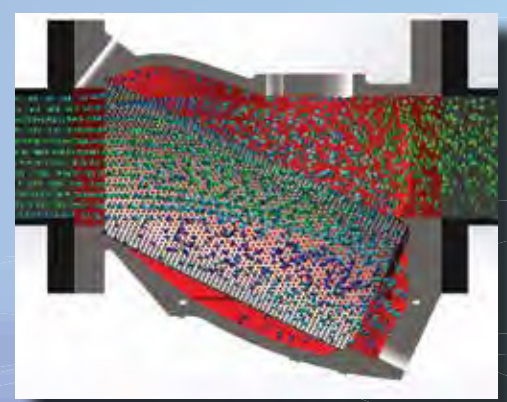
Metraflex[®]



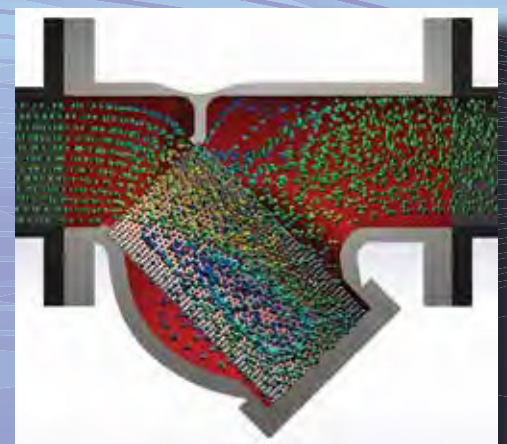
WE DIDN'T INVENT THE Y-STRAINER... WE JUST GOT IT RIGHT!



2016 Design



Circa 1908 Design



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.

Blow Down Port

Robust Design Offers Energy Savings, Improved Reliability, Increase Pump Performance and Extended Bearing Life

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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ENERGY SAVING PUMP PROTECTION SOLUTIONS

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