

Liquid Dynamics International aka "LDi" have specialized in designing "fancy plumbing" since 1975, and since opening our pipe fabrication shop in 1983, we have manufactured hundreds of these "OctoPuses, for Duplex, Triplex, Quad -and Quintuplex reciprocating pumps of many types, of numerous manufacturers.

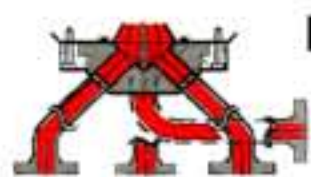


FOR TRIPLEX HEADS, OR FOR THREE PUMP DISCHARGE SYSTEMS.



"OctoPussy"

"Turbo" your triplex, with "OctoPussy".



Machined

Available separately for you to pipe to.



"contour ported" divider added.



"OctoPussy"

How 4 paths are divided in one mating face.

The conical OctoPussy piping confluence base block is machined then "ported" (flow contoured). Then a 2, 3, 4 or 5 port divider is inserted and welded in place.

On discharge systems, the sudden change from within the divider, to entering a large diametered damper liquid chamber, explodes high frequency pressure transients which then die away exponentially with distance, to the nearest point of reflection.

FOR TRIPLEX HEAD SYSTEMS, OR FOR THREE PUMP, SUCTION SYSTEMS.

And for the suction where it is most important.



4 way cross, goes up into damper mouth



Near perfect; 5 D bends, yet "Close Coupled"



Horizontal connections

Near perfect again; good bends - Suction damper down, no vapor lock



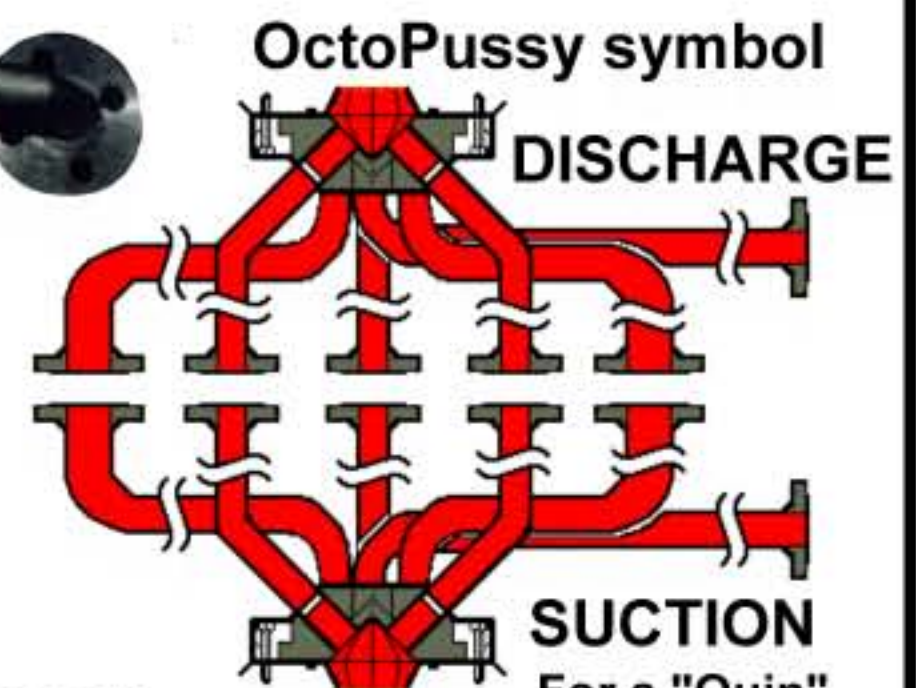
space saver Pump so low, it loses more from tight "Ls" than head gain.

FOR QUADRUPLEX HEADS, OR FOR FOUR PUMP SYSTEMS.

A quad pump needs Octopussy more - even numbers are more likely to resonate.



What NOT to do. **



Four flow paths curve up the central cone, in. Coaxial outlet. Extends up into the mouth of dampers from most manufacturers.

**** A four meter leg, a 2.5 meter leg, and a one meter legged OctoPussy ! Sometimes it seems the engineering contractors conspire to defeat the object - which is in part CLOSE PROXIMITY.**

To improve - Simplex, Duplex, Triplex, Quad, or Quin - LDi OctoPussy. * May need new flow contoured check valves and pockets.



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Analysis, Diagnostics, Prediction by Software

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