

Space Constraints? Consider a VICR in place of a Horizontal Pump

The ITT Goulds Pumps VICR pump uses a completely radial hydraulic in order to create very high pressures at low flows. This innovative vertical pump bowl assembly is secured using tie rods to further reduce the bowl assembly length.

The compact design was able to provide a custom solution to a customer who had already designed a process for depropanizer net bottoms pumps pumping hydrocarbon at 0.444 SG. When the duty point changed to need more pressure at less flow, there was no longer an API horizontal pump that could support this need. The VICR was the answer.

By using this vertical pump designed with a baseplate similar to the originally selected horizontal pump, Goulds Pumps was able to provide two pumps to meet the needed conditions without the customer having to redesign their system.

The very short can did hang below the baseplate, but not below the customer's designed system, meaning no excavation was needed. By providing the suction flange on the can, the suction and discharge flanges could also be aligned to reduce the amount of piping. In the end, the customer was very pleased with the solution Goulds Pumps was able to provide.

