

CASE STUDY

Customer	Ohio Chemical Plant
Project	Brine System Pumps
Solution	HYDRA-JUST™ Rotary Seal

Performance Comparison Annual Profit Impact

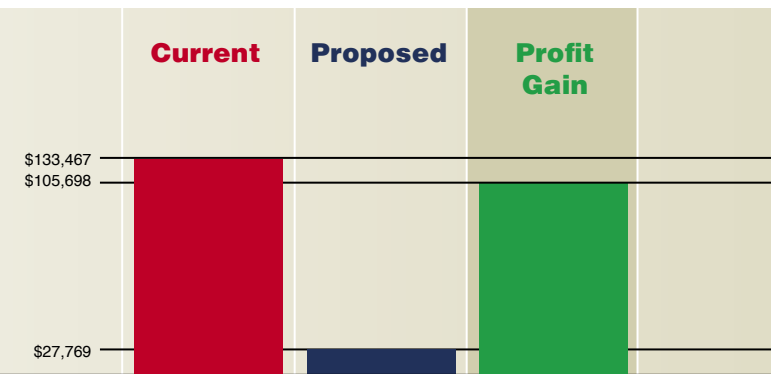
Ohio Chemical Plant

A chemical plant in northeastern Ohio could not keep their brine pumps sealed. The plant had been using titanium double mechanical seals on their ANSI pumps, but time and again the corrosive brine destroyed the \$1,500 seals within 6 weeks of installation.

With 11 pumps on the brine system, the plant was spending over \$100,000 a year on seals alone. As significant as that cost was, it paled in comparison to the lost operating time and potential health and safety issues.

The plant turned to Garlock for a solution and agreed to test the Hydra-Just™ rotary seal. The results speak for themselves; the Garlock Hydra-Just™ seal provided two to three times the service life as the titanium double mechanical seal and did so at a fraction of the cost. Additionally, it made for a safer workplace and substantially increased production uptime. As a matter of fact, the Hydra-Just™ seal has worked so well that the plant is now using it on all 11 brine pumps.

	Current Practices	Garlock's Solution	Profits Gained
Costs due to lost production	\$0	\$0	\$0
Costs for the Seals	\$119,167	\$20,378	\$98,789
Costs for Associated Parts	\$0	\$5,604	(\$5,604)
Labor Costs to Install	\$14,300	\$1,788	\$12,513
Annual Operational Impact	\$133,467	\$27,769	\$105,698



HydraJust™ Chemical Process Applications

The HYDRA-JUST™ system's unmatched abrasion and chemical resistance, coupled with its water efficiency, make it the ideal sealing solution for chemical processing.

