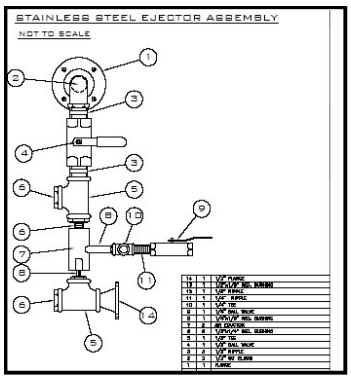
OXIDATION SYSTEMS, INC.

Pressure-Boosting Venturi



Oxidation Systems can provide an air/ozone venturi that uses compressed air to increase the available ozone pressure up to a maximum pressure of 40 psig. This allows ozone to be used in applications where high-pressure injection is required. The significant pressure increase can be accomplished without re-pumping the ozone gas – thereby eliminating expensive pumps, simplifying the operation of the equipment, and increasing the reliability of the system. The driving force, or motive, of our venturi is the energy in compressed air.

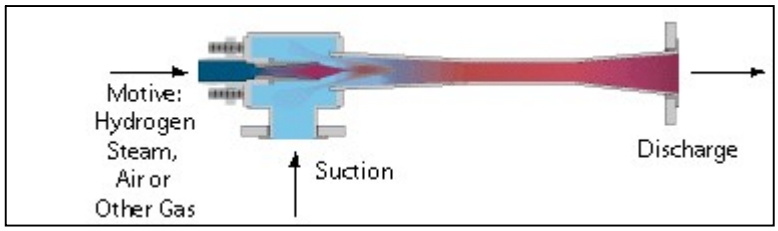
Benefits

No Moving Parts
Our venturi has no moving parts. No seals, no shafts, no packing, no maintenance - a distinct advantage over mechanical vacuum pumps which often require elaborate maintenance programs.

Cost Effective
The initial cost for a venturi is low compared to a mechanical pump or compressor. In addition, the venturi is virtually maintenance-free, further increasing its cost effectiveness.

Reliability
Once the motive pressure has been set, the venturi's performance is effectively fixed for a range of operating conditions. The ejector can be shutdown and restarted without having to be adjusted.

Stainless Steel Construction
The ozone venturi is constructed of all 316L stainless steel. This corrosion-resistant alloy will provide many years of reliable operation without pitting or requiring maintenance. All of our stainless steel venturis are welded to ensure leak-free operation for the life of the system.



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