

GAS INNOVATIONS

AN INNOVATIVE SOLUTION PROVIDER

FLAME SPRAY METAL COATING TECHNOLOGY USING PROPYLENE

High Velocity Oxy-Fuel (HVOF)



About the process:

HVOF The High Velocity Oxygen Fuel (HVOF) process was developed to produce high quality metal, carbide and various specialty coatings. A complete line of powders are available, which are specifically engineered for application with the HVOF System.

The commercialization of this coating technology now affords industry the ability to get unique coating properties and extend the range of applications which previously could only be performed by proprietary coating processes.

Typical Propylene Tank Installation

1,000 Gallon Bulk Tank



Flashback Arrestor & Relief Valve



Tank Heater / Vaporizer

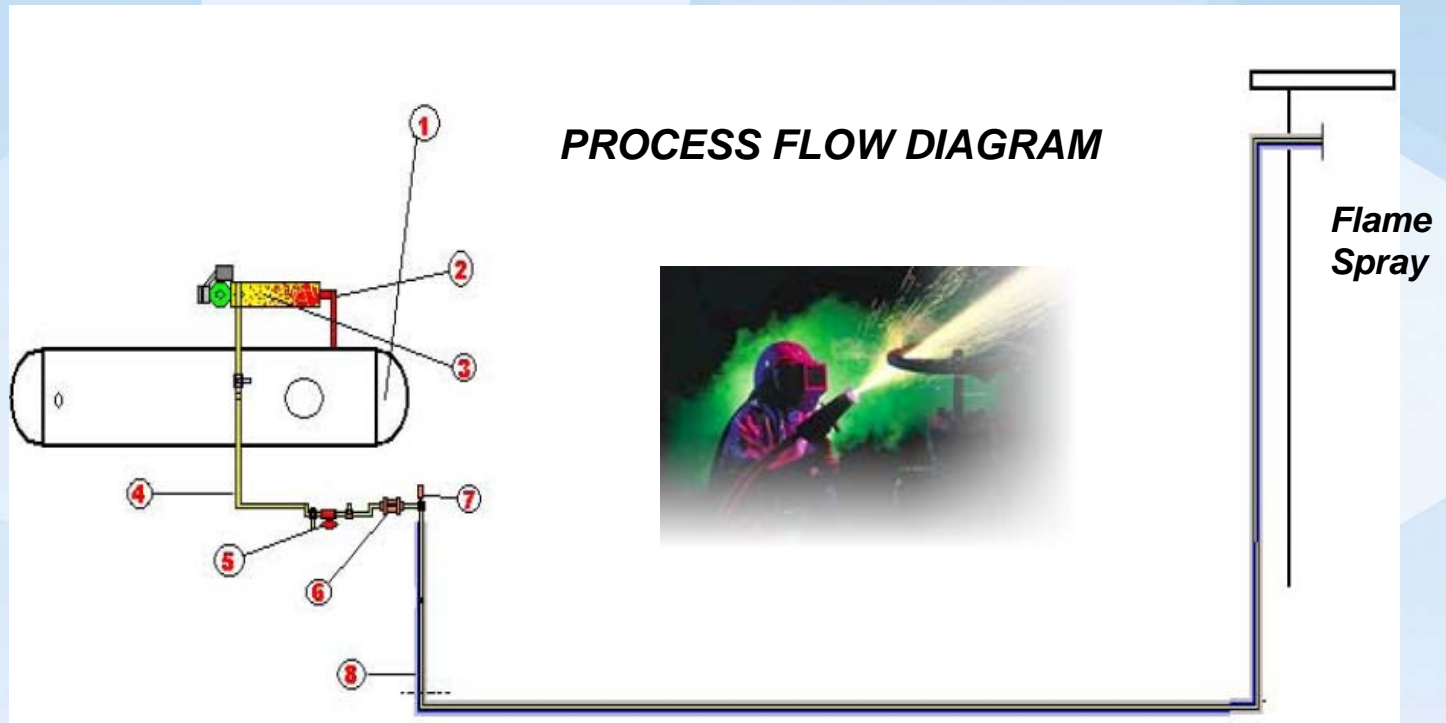


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1. Liquid Propylene Storage Vessel.
2. Liquid Propylene Enters Vaporizer at lower End of Unit.
3. Heated Liquid Boils Producing Vapor and Increasing Pressure in Storage Vessel.
4. High Pressure Vapor Flows Into piping System.
5. High Pressure Vapor Regulators Reduce System Pressure to Feed Supply Line to Operation.
6. Simax 5 Flash Arrestor at Head of Supply Line for NFPA 51 Compliance Incorporates Back Check and Flash Arrestor.
7. Line Pressure Relief Valve. Set at Approximately 125% of System Operating Pressure to Relieve Pressure in Event of Flashback.
8. Supply Line to Building, 1" Sched 80 Black Iron, Heated to Minimum 70 Degrees F. to prevent Re-Liquification of Product.

Contact Gas Innovations for more details and an assessment of your application requirements.