

 **INLINE VACUUM GENERATOR**
DURBIN INDUSTRIAL VALVE

Durbin Industrial Valve
Inline Vacuum Generator



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Features:

Valve Type: Vacuum generator

Function:

Action: N/A

Actuation: N/A

Pilot Range: N/A

Sizes: 2" inlet x 1-1/2" outlet

Pressure Ratings: Up to 500 psi (34 bar)

Temperature Ratings: -40°F to 450°F (-40°C to 231°C)

Connection Style: Threaded (NPT/BSPT)

Cv: N/A

Seat Type: N/A

Leakage Rate: N/A

Media: Most process fluid types; gas, liquids and steam

Overview: The Durbin Inline Vacuum Generator (IVG) was developed in response to customer remarks that typical jet pumps, eductors or other venturi type devices quickly become clogged with debris. This is due to the narrow passageway that all of the fluid must pass through in order to create the vacuum. Once this nozzle area is clogged, vacuum is no longer created. The Durbin Inline Vacuum device eliminates this issue.

Materials of Construction: The Durbin Inline Vacuum Generator is completely constructed from stainless steel components. Twin precipitation hardened nozzles provide a long life of jet action, leaving this device a maintenance free installation.

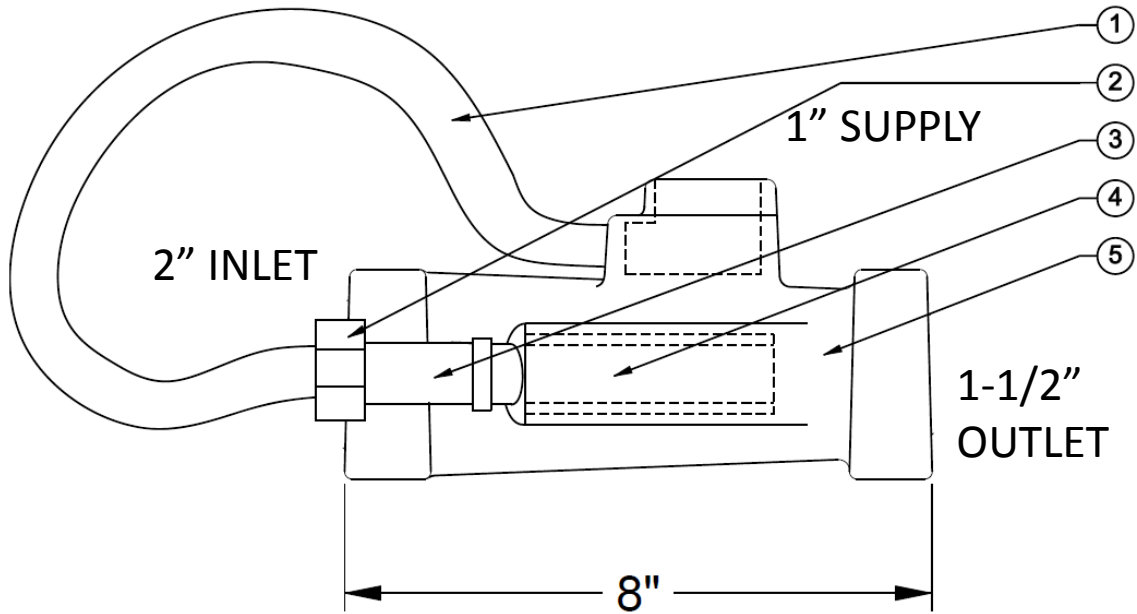
Design: Unlike other jet pumps or vacuum generators, the IVG injects pressurized water, gas, or steam in the direction of your vacuum needs, rather than on a 90°. Simply install the IVG downstream of your drain valve and turn on the pressurized water, gas, or steam. This high velocity stream in combination with the plenum design results in a vacuum. As little as 35 psig can produce up to 10" Hg. The user may regulate the supply pressure to achieve higher or lower vacuum pressures depending on their needs.



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IVG DIMENSIONS/ PARTS LIST

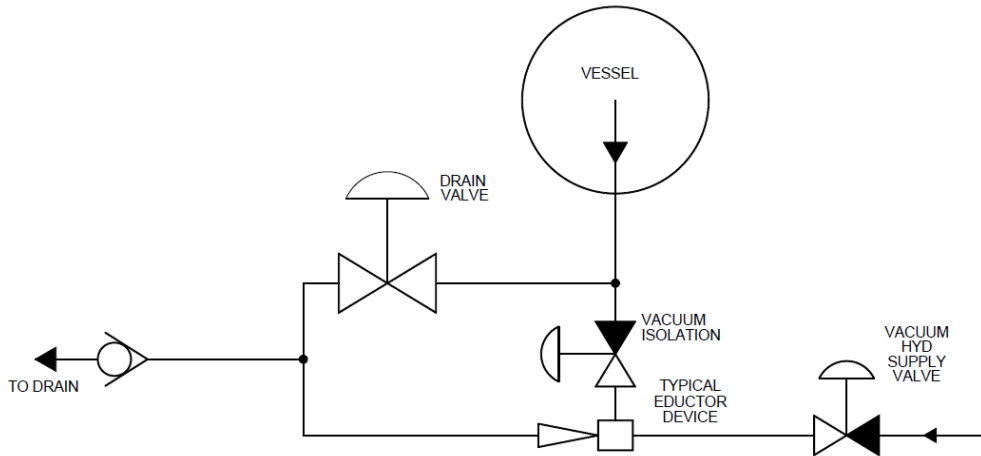


ITEM	PART #	DESCRIPTION:
1	BSW105	Stainless steel flex hose (2)
2	BSW205	Stainless steel 1/2" union (2)
3	BSW305	Stainless steel 1/2" x 3" nipple (2)
4	BSW905	Stainless steel water ejector nozzle (2)
5	BSW405	Stainless steel vacuum housing

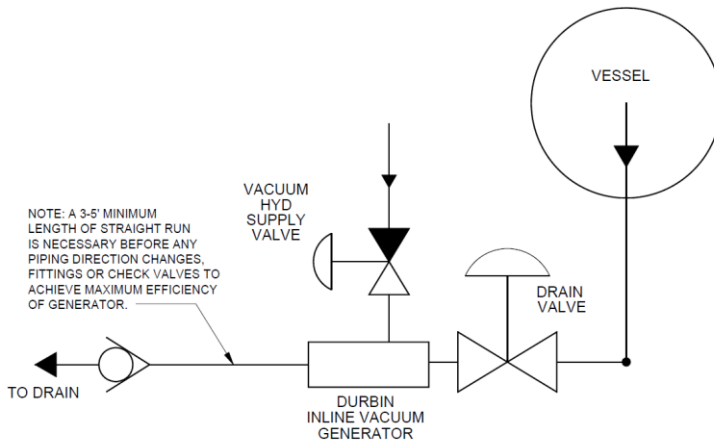


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TRADITIONAL VACUUM LEG PIPING LAYOUT



DURBIN IVG PIPING LAYOUT