RECTANGULAR VALVE

Heated Type



Kurt J. Lesker Company

VACUUM MART™ DIVISION

Applications

- Where heating is required, heated housing and blade heating is optional
- Plasma Etch, CVD, Sputter Deposition
- Manufacturing of solar panels
- Semiconductor processing
- LCD/flat panel processes

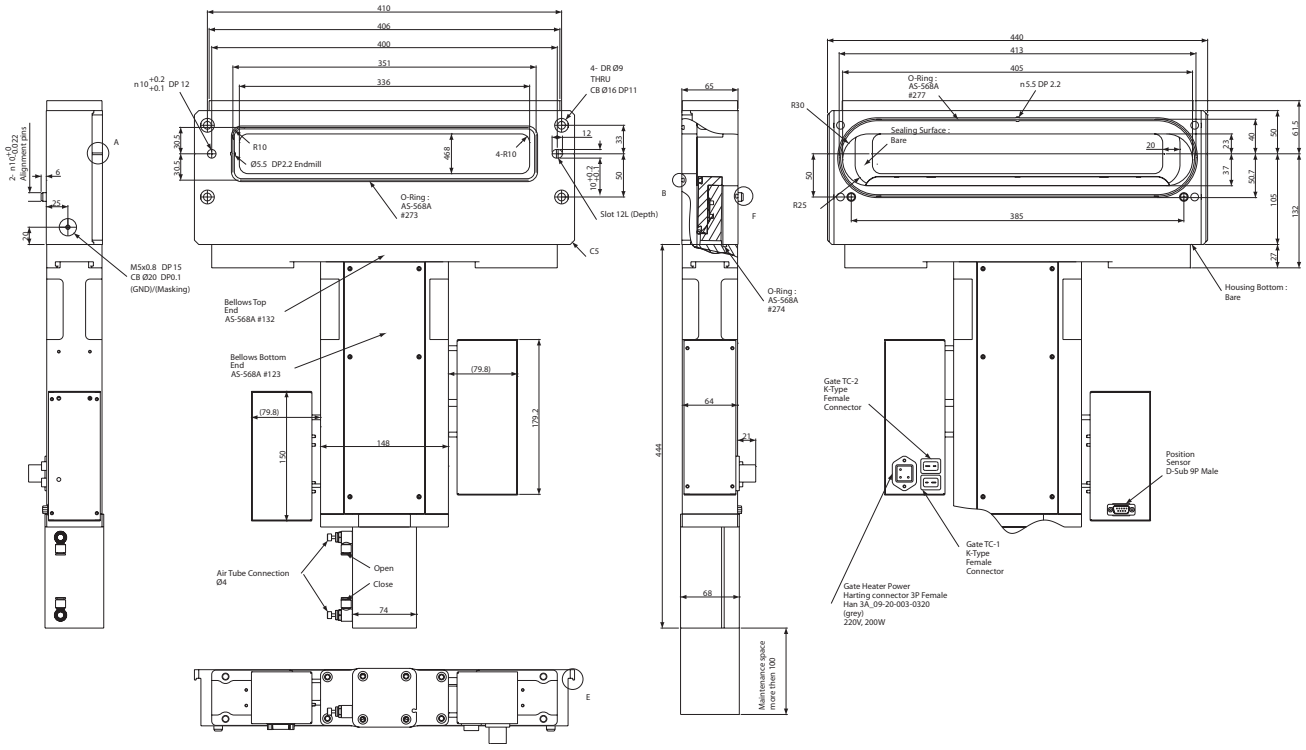
Features

- Heated gate (or heated gate and housing) to reduce particulate buildup
- Semi standard application (Semi E21-94, Semi E24-92, Semi E21.1-1296)
- Patented L-motion link and dual shifts without springs in the actuator enable faster, smoother actuation with significantly reduced vibration
- Dust seal on the vacuum side of the bonnet flange that virtually eliminates particulate from entering the bellows
- Mechanical locking so at the end of gate travel the valve locks into position
- Welded bellows actuator seal
- Bonnet flange bolts are designed with retainers to eliminate bolts from falling out upon disassembly

Options

- Custom sizes available
- Various o-ring compounds (Kalrez®, Chemraz®, etc.)

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Dimensions Approximate

Specifications

Pressure range		1 X 10^{-9} mbar - ATM
Leak rate: body, seat		1 X 10^{-9} mbar. l/s
Differential pressure on the gate		≤ 1.2 bar in either direction
Material	**Valve body, bonnet seal, gate**	AL6061
	Welded bellows	AM350
	Valve actuator	Stainless Steel, aluminum
Seal Materials		VITON® (option KALREZ)
Temperature	**Valve body**	VITON® 100°C (optional 180°C)
	Valve actuator	VITON® 80°C (optional 100°C)
Operation		Double acting
Cycle until first service		≥ 2 million
Position sensor (Open/Close) - Micro switch		Honeywell: 11SM-244-T, JS-5

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