

## High Vacuum Control Gate Valve Specifications

<u>Sl.No</u>	<u>Parameter</u>	<u>Specification</u>	
1	Type	High Vacuum control Gate valve type	
2	Actuator	Integrated Pressure controller with Stepper motor	
3	Flange size	DN160	
4	Flange type	ISO-F	
5	Body / plate Material	Stainless steel 304	
6	Other parts Material	Stainless steel: 301	
7	Leak rate (Valve body and Valve seat)	$\leq 1 \times 10^{-9}$ mbar. Liter/sec (He)	
8	Pressure range	$1 \times 10^{-8}$ mbar to 2 bar(abs)	
9	Differential pressure on gate Valve closed	$\leq 2$ bars	
10	Differential pressure on gate During opening/Closing	$\leq 30$ mbar	
11	Mounting Position	Any	
12	Admissible operating Temperature	Valve body	$\leq 150^{\circ}\text{C}$
		Controller	$\leq 50^{\circ}\text{C}$
13	Seals	Plate	Viton
		Rotary feed through	Viton
		bonnet	Viton
14	Controller configuration	Power failure option (Normally closed Condition during power failure)	

15	Communication Interface	RS 232/RS-485/Ethernet or any other communication
16	Min. controllable conductance (L/sec) [N2 molecular flow]	1.6 L/sec or better
17	Max. Conductance (L/sec) [N2 molecular flow]	5'000 L/sec or better
18	Valve position indication	Visual (mechanical and on the controller)
<b>Standard Accessories: To be supplied along with the Valve</b>		
<ol style="list-style-type: none"> <li>1. Control panel with 15 m cable for integration into a 19" rack</li> <li>2. Compatible 15m Cable for PC to valve connector.</li> </ol>		