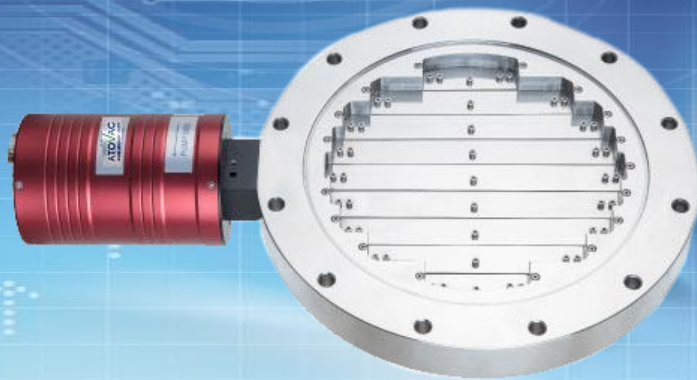


# ATV 1000-B Exhaust Throttle Valve Blind



## Type ATV1000-B

The ATV1000-B Exhaust Throttle Valve Blind is one of three components in a closed loop, downstream pressure control system.

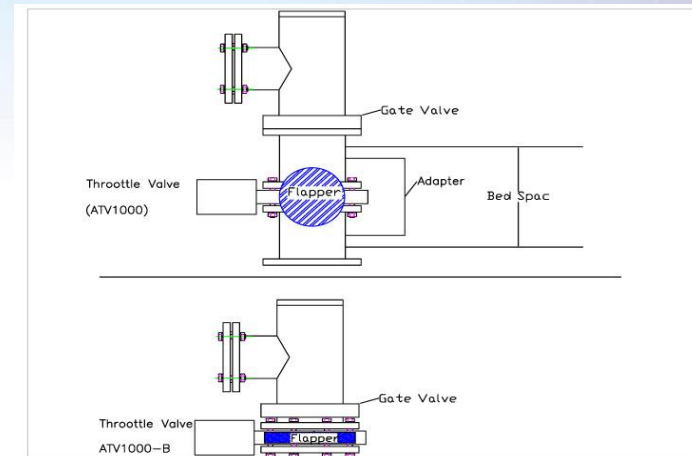
When coupled with a digital PID controller, such as the GPC3000 Controller, and Capacitance Manometer, the ATV1000-B valve provides fast, reproducible set point control.

The CM Gauge senses the chamber pressure which is then compared to the desired set point pressure in the pressure controller

## Features & Benefits

- ATV1000-B Exhaust Throttle Valve Blind is designed for a wide range of pressure control conductance and has the high torque rating for sealing-type and large-size valves
- ATV1000-B Exhaust Throttle Valve Blind has a flapper position indicator to identify valve angle during system troubleshooting operations.
- ATV 1000-B Valve Blind is available in most common flange styles(ASA, CF, ISO-NW and KF) to ensure that mating with existing hardware is an easy operation.

## Dimensions



# ATV 1000-B Exhaust Throttle Valve Blind

## Specifications

|  |  |
|--|--|
| Speed (open to close)                                    | 1.5sec   |
| Resolution   | 1/24000  |
| Drive Method   | Direct gear drive  |
| Maximum Valve Body Operating Temperature                 | Standard 0 – 100<br>Optional: 0 - 150 (Note 1)                           |
| Valve Motor Ambient Operating Temperature                | -20 to +40   |
| Differential Pressure Across Valve                       | 1 atm. (15 psig) max.  |
| External Leakage at Shaft seal                           | 1x10 <sup>-8</sup> scc/sec He  |
| Materials Exposed to Process                             | Standard: 304 S.S., Viton (Note 2)<br>Optional: 316 S.S., Viton (Note 2) |
| Compatible Controller                                    | Model GPC3000<br>MKS Type 651, 1651                                      |
| Drive Output Torque (with Model GPC3000 or MKS Type 651) | 800 in-oz  |

|  |  |
|--|--|
| Closed Leakage (valves with a flapper o-ring)      | <10 <sup>-7</sup> (Torr l/s)   |
| Flange Styles:<br>ISO-NW<br>ASA<br>CF<br>JIS<br>KF | Notes:<br>1. Consists with shaft seal and flapper seal o-ring material.<br>2. Where Viton is used, other materials are available.<br>Contact Applications Engineering. |

