

ATV 1000 Exhaust Throttle Valve



Features & Benefits

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

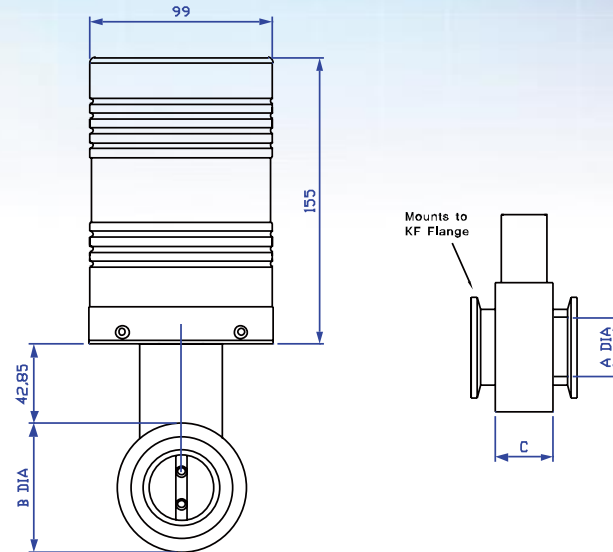
Type ATV1000

The ATV1000 Exhaust Throttle Valve 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 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

Dimensions



ATV 1000 Exhaust Throttle Valve

Specifications

Speed (open to close)	1.5sec	Closed Leakage (valves with a flapper o-ring)	<10-7(Torr l/s)
Resolution	1/24000	Flange Styles:	Notes:
Drive Method	Direct gear drive	ISO-NW	1. Consists with shaft seal and flapper seal o-ring material.
Maximum Valve Body Operating Temperature	Standard 0 – 100 Optional: 0 - 150 (Note 1)	ASA	2. Where Viton is used, other materials are available.
Valve Motor Ambient Operating Temperature	-20 to +40	CF	Contact Applications Engineering.
Differential Pressure Across Valve	1 atm. (15 psig) max.	JIS	
External Leakage at Shaft seal	1x10-8 scc/sec He	KF	
Materials Exposed to Process	Standard: 304 S.S., Viton (Note 2) Optional: 316 S.S., Viton (Note 2)		
Compatible Controller	Model GPC3000 MKS Type 651, 1651		
Drive Output Torque (with Model GPC3000 or MKS Type 651)	800 in-oz		

