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253B Exhaust Throttle Valves

The 253B Exhaust Throttle Valve regulates the removal of gas from a processing system. Its flapper is positioned to modulate gas flow, thereby controlling process pressure. The 253 has a patented non-linear actuator placed between the flapper shaft and the motor drive shaft in order to generate a linear valve transfer characteristic and provide smooth linear pressure control.



Compare	Description	Availability	Price
	**253B-1-40-1** Exhaust Throttle Valve, 1.27 in. ID, NW40 ISO-KF, Flapper O-ring	**Contact Us**	**$2,432**
	**253B-1-40-2** Exhaust Throttle Valve, 1.27 in. ID, NW40 ISO-KF	**Contact Us**	**$2,432**
	**253B-2-50-1** Exhaust Throttle Valve, 1.888 in. ID, NW50 ISO-KF, Flapper O-ring	**Contact Us**	**$2,767**
	**253B-2-50-2** Exhaust Throttle Valve, 2.00 in. ID, NW50 ISO-KF	**Contact Us**	**$2,767**
	**253B-20-2CF-1** Exhaust Throttle Valve, 0.779 in. ID, 2.75 in. CF Flange, Flapper O-ring	**15 Weeks**	**$2,829**
	**253B-20-2CF-2** Exhaust Throttle Valve, 1.27 in. ID, 2.75 in. CF Flange	**15 Weeks**	**$2,829**
	**253B-20-40-1** Exhaust Throttle Valve, 0.779 in. ID, NW40 ISO-KF, Flapper O-ring	**Contact Us**	**$2,432**
	**253B-20-40-2** Exhaust Throttle Valve, 0.779 in. ID, NW40 ISO-KF	**Contact Us**	**$2,432**
	**253B-3-80-2** Exhaust Throttle Valve, 3.00 in. ID, NW80 ISO-MF	**Contact Us**	**$2,918**
	**253B-4-100-2** Exhaust Throttle Valve, 3.875 in. ID, NW100 ISO-MF	**Contact Us**	**$3,619**
	**253B-60-63-2** Exhaust Throttle Valve, 2.362 in. ID, NW63 ISO-MF	**Contact Us**	**$2,859**

Specifications

Type	253 Exhaust Throttle Valve
Valve Type	Butterfly/Throttle Valve
Operating Temperature	Standard: 0 - 100°C Optional: 0 - 150°C
Valve Motor Ambient Operating Temperature	-20 to 40°C
Exposed Materials	316L S.S., Viton®
External Leak Rate	$1x10^{-8}$ scc/sec He (at shaft seal)
Closed Leakage	$<10^{-7}$ (Torr l/s) (valves with a flapper o-ring)
Valve Speed	1.7 sec (open to close)
Drive Output Torque	Standard speed: 600 in-oz High-speed: 170 in-oz (with 651 Controller)
Resolution	1/12,000
Drive	Direct gear drive
Differential Pressure Across Valve	1 atm. (15 psig) max

Accessories

Other Accessories

Compare	Description	Drawings, CAD & Specs	Avail.	Price
	**CB651-30-10** Throttle Valve Cable, 651 C  **253B Exhaust Throttle Valves**		**8 Weeks**	**$126**

Need help?

Contact an Applications Specialist by sending us an email

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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