Flow Control Valves

MICRO-RATIO® Valve assemblies are used for air, gas and oil proportioning control. The multiple screw cam assembly provides mechanical adjustment capabilities to the air/fuel ratio at each valve position throughout the entire capacity range of your burner system.

Throttling range is fully adjustable and designed to operate over the extremely wide turndown capabilities of Maxon's modern burner systems.

Stand-by fuel requirements are simplified by using tandem-linked "air-gas-oil" valves to provide single point control for multiple fuel or multiple zone systems (see photo below).

M- 10" x 4" -M x 3/4" -O -200 MICRO-RATIO® triplex valve arrangement with optional companion flange set

MICRO-RATIO® Valves covered by U.S. Patents 2,286,173; 2,035,904; and 3,706,438.

M- 4" x 1-1/2" -P MICRO-RATIO® Valve

SYNCHRO Valves (below) may be used independently for individual adjustable gradient fuel flow control, or in tandem with other fuel control valves for more sophisticated multi-zone control applications. Totally enclosed cam option is available for greater protection against hostile environments.

Smaller sizes of SYNCHRO Valves use characterized "V" ports in a poppet disc for greatest refinement of control. Larger sizes feature a butterfly-type disc for maximum capacity with minimum pressure drop for gas or air flows.

Poppet-type Gas/Oil SYNCHRO Valve

1" -O -400 with totally enclosed cam

Butterfly-type Gas SYNCHRO Valve

2-1/2" -M SYNCHRO Valve with standard cam assembly

MAXON® CORPORATION 201 East 18th Street, P.O. Box 2068, Muncie, Indiana, 47307-0068. Phone: (765) 284-3304. FAX (765) 286-8394

Flow Control Valves

3" Series "Q" Valve

Series "Q" Gas Control Valves provide the high capacity and low pressure drop benefits of a butterfly valve construction, plus an adjustable gradient feature for accurate fuel flow control.

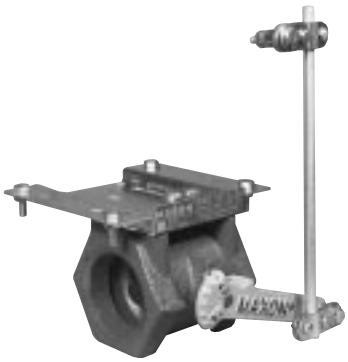
They are used independently for throttling of fuel gases and with PREMIX® Blower Mixers and AIRFLO® Mixers for stand-by fuel systems, where they allow change-over to alternate fuels without re-adjustment.

Series "Q" Valves are UL (Underwriters Laboratories) listed for use with air, natural gas and liquefied petroleum gases.

Series "CV" Control Valves incorporate a full-flow, fixed gradient butterfly valve design for high capacities at low pressure drops, using minimum operating torque.

This economical assembly includes a minimum stop screw and can be supplied with connecting base and linkage assembly to mount your electric control operator.

Versions available with UL (Underwriters Laboratories) listing for air, natural gas and liquefied petroleum gas service.



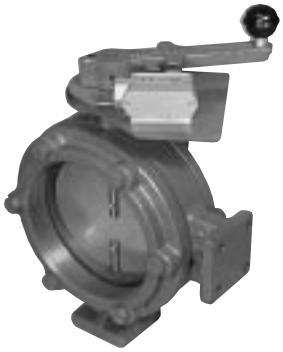
2" Series "CV" Valve with optional connecting base and linkage assembly

Series "BV" Balancing Valves are used to balance gas or air flows in multiple-burner systems fed by a common manifold. They feature a full-flow butterfly design with provision for locking in any position.

2-1/2" Series "BV" Valve

Air Control Valves permit throttling control of air to burners. They feature a fixed gradient butterfly valve design with an adjustable minimum stop, friction brake screw and provision for manual or automatic operation. Air control valves are offered in 1-1/2" through 18" pipe sizes.

A complete system using Maxon Flow Control Valves will typically include burner, gas and/or oil pipe trains, mixing equipment, pressure blower and a control panel. Your Maxon representative can help you choose from the broad range available.



M-6" Manual Air Control Valve with optional Low Fire Start Switch

11/90

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