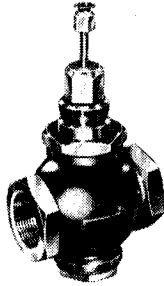


V5047A DOUBLE-SEATED VALVE



V5047A

THE V5047A IS A DOUBLE-SEATED, ELECTRIC MOTOR OPERATED VALVE FOR CONTROL OF HIGH PRESSURE STEAM, LIQUIDS, AIR OR NONCOMBUSTIBLE GASES WHERE POSITIVE FINAL SHUTOFF IS NOT REQUIRED.

□ V5047A

- Suitable for two-position, floating, or proportioning control, depending on the motor and controller used.
- Provides high capacity with minimum pressure drop.
- Pipe sizes include 1, 1-1/4, 1-1/2, and 2 inches.
- Straight-through construction and screwed end connections.
- Cast iron body with bronze or stainless steel trim.
- Nominal body rating is 125 psig ANSI.
- Plug provides equal percentage characteristic of flow.
- V-port for either throttling or on-off service.
- Replaceable seat rings screw into body.
- Nonlubricated Teflon asbestos or spring-loaded Teflon cone packing for minimum friction.

SPECIFICATIONS

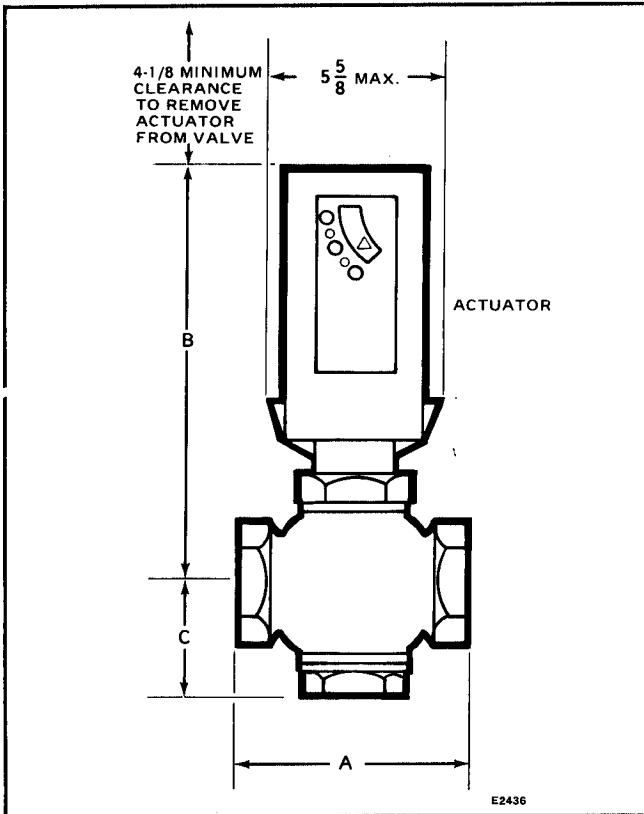


Fig. 1— T4031D MOUNTING DIMENSIONS IN in. [mm IN BRACKETS].

Table 1— VALVE MOUNTING DIMENSIONS.

Valve Size	Dimensions in Inches		
	A	B	C
1	4-3/8	17	2-3/8
1-1/4	4-5/8	17-3/16	2-9/16
1-1/2	5-1/2	17-1/2	3-1/8
2	6-1/2	17-3/4	3-3/8

MODEL:

V5047A Valve—double-seated valve for control of high pressure steam, liquids, air, or noncombustible gases where positive final shutoff is not required.

VALVE BODY:

Construction—double-seated, straight-through type.
Material—cast iron.
Pressure Rating—125 psig ANSI (nominal).
End Connections—screwed.
Marking—arrows on both sides of valve to show direction of flow.

PIPE SIZES: 1, 1-1/4, 1-1/2, and 2 inches.

VALVE RATINGS:

Pipe Size (Inches)	Flow Capacity (Cv)	Lift (Inches)
1	13	9/16
1-1/4	20	9/16
1-1/2	30	9/16
2	50	3/4

SERVICE TEMPERATURE RANGES (fluid temperatures):

Maximum—plus 353 F with Teflon asbestos packing.
—plus 335 F with spring-loaded Teflon cone packing.
Minimum —plus 32 F.

CLOSE-OFF PRESSURE RATING: 125 psig (100 psig for steam service with spring-loaded Teflon cone packing).

PACKING: Nonlubricated Teflon asbestos or spring-loaded Teflon cone packing, as ordered.

IMPORTANT

Spring-loaded Teflon cone packing is not recommended for gas service.

BONNET: Bronze screwed packing box.

TRIM:

Materials—all trim is either bronze or stainless steel, as ordered.
Plug—equal percentage; V-port for either throttling or on-off service. Rangeability is 30 to 1.
Seat Rings—screwed into body; replaceable.

VALVE FLOW CHARACTERISTICS: Equal percentage characteristic to flow—equal movements of the valve stem at any point of the flow range change the existing flow by a constant percentage, regardless of the quantity of flow. Refer to Fig. 2.

MAXIMUM UNCONTROLLABLE FLOW: 3.3 percent.

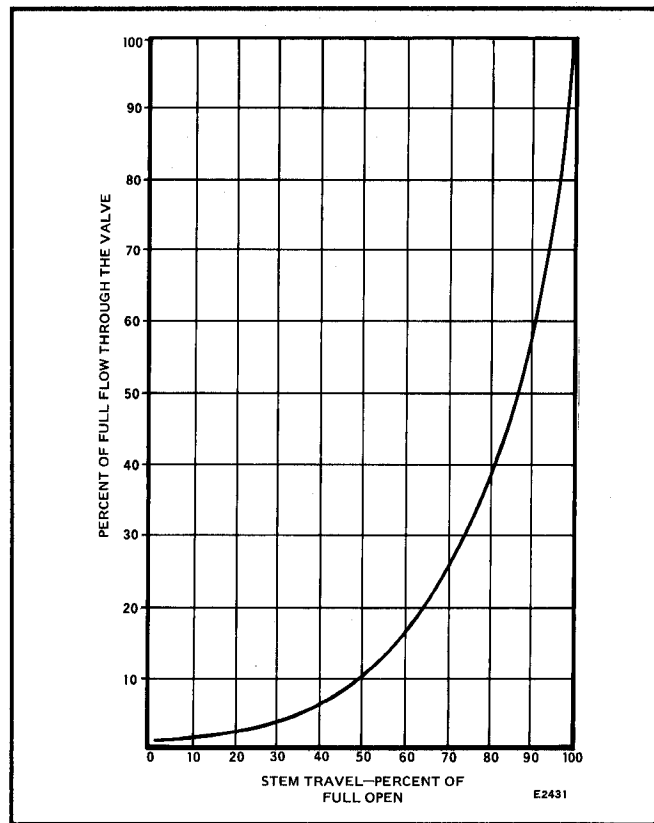


Fig. 2— GRAPH OF EQUAL PERCENTAGE CHARACTERISTIC OF FLOW.