



V3B Series are 3-way mixing valves with bronze trim and a 125 lb. rating used to control the flow of hot water, cold water, and other noncorrosive fluids. These valves are fitted with electric or pneumatic actuators.

V3A use the same valve body as the V3B series but with stainless steel trim. V3C series valves have 250 lb. flanged bodies and bronze trim. V3D series valve have 250 lb. bodies and stainless steel trim.

Technical Data

Size	2-1/2" to 6"
Connection	Series B & A - 125# ANSI flange Series C & D - 250# ANSI flange
Pattern	3-way mixing
Fluid	Chilled or hot water, noncorrosive fluids
Pressure rating	125# Flange - Series B & A Up to 175 PSI below 150°F Up to 150 PSI below 250°F
	250# Flange - Series C & D Up to 400 PSI below 150°F Up to 265 PSI below 375°F
Flow characteristic	Linear
Servicing	Replacement packing kit
Leakage rate	ANSI class III

Materials

Valve body	Cast iron
Valve stem	Stainless steel
Valve trim	Series B & C - Bronze Series A & D - Stainless steel
Seal	NLP EPDM

Selection - 125# Flange

SERIES B

Model	Size	Cv	Trim	Connection
V3B-065	2-½"	69	Bronze	ANSI 125#
V3B-080	3"	86	Bronze	ANSI 125#
V3B-100	4"	156	Bronze	ANSI 125#
V3B-125	5"	270	Bronze	ANSI 125#
V3B-150	6"	347	Bronze	ANSI 125#

SERIES A

Model	Size	Cv	Trim	Connection
V3A-065	2-½"	69	Stainless steel	ANSI 125#
V3A-080	3"	86	Stainless steel	ANSI 125#
V3A-100	4"	156	Stainless steel	ANSI 125#
V3A-125	5"	270	Stainless steel	ANSI 125#
V3A-150	6"	347	Stainless steel	ANSI 125#

Selection - 250# Flange

SERIES C

Model	Size	Cv	Trim	Connection
V3C-065	2-½"	69	Bronze	ANSI 250#
V3C-080	3"	86	Bronze	ANSI 250#
V3C-100	4"	156	Bronze	ANSI 250#
V3C-125	5"	270	Bronze	ANSI 250#
V3C-150	6"	347	Bronze	ANSI 250#

SERIES D

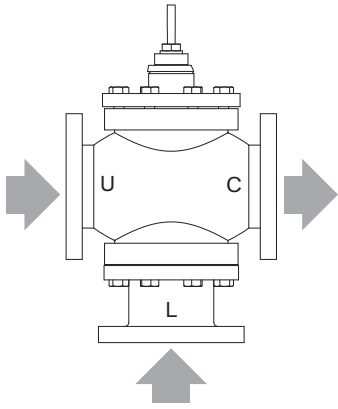
Model	Size	Cv	Trim	Connection
V3D-065	2-½"	69	Stainless steel	ANSI 250#
V3D-080	3"	86	Stainless steel	ANSI 250#
V3D-100	4"	156	Stainless steel	ANSI 250#
V3D-125	5"	270	Stainless steel	ANSI 250#
V3D-150	6"	347	Stainless steel	ANSI 250#

Suitable Electric Actuators

Non-spring return	AME-655, AME-685, VM5000E
Spring return	AME-658 SD, AME-658 SU
Electronic fail safe	AME-685 w/ VMS-50

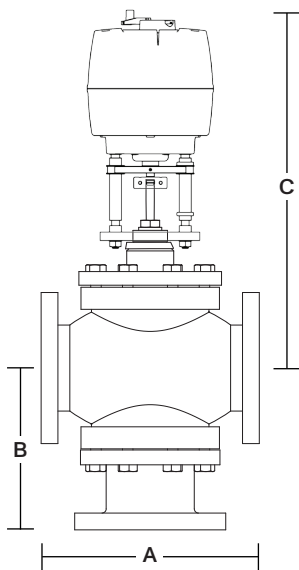
Consult Paxton for pneumatic actuator options.

Installation



Flow direction: Ports U and L are inlets with C being the outlet port. As the stem of the valve raises, the L port flows more. As the stem lowers, the U port flows more.

Dimensions - 125#

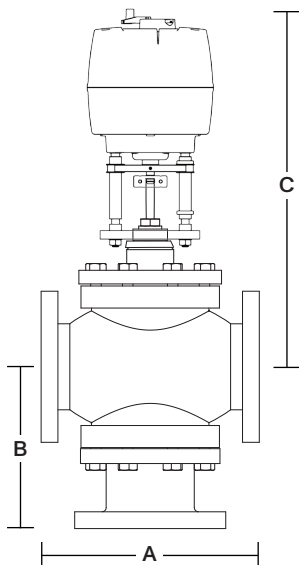


SERIES A & B

	2-1/2"	3"	4"	5"	6"
A	9"	10"	13"	15-3/4"	17-3/4"
B	7-1/8"	8"	9-7/8"	9-1/4"	9-7/8"
C	18"	18-7/8"	19-7/8"	18-7/8"	19"
-AME-655 -AME-685 SD/SU					
C	23-1/2"	24-1/2"	25-1/2"	24-1/2"	24-7/8"
-AME-685					
C	20-3/8"	21-1/4"	22-1/4"	21-1/8"	21-7/8"
-VM5000E					
Weight	64 lbs	83 lbs	139 lbs	157 lbs	202 lbs

*Weight shown is for valve body only.
Shipping weight and actuator weight will be additional.*

Dimensions - 250#



SERIES C & D

	2-1/2"	3"	4"	5"	6"
A	9-7/8"	10-3/4"	13-5/8"	16-5/8"	18-5/8"
B	7-3/8"	8-3/8"	10-1/4"	10-3/8"	11"
C	18"	18-7/8"	19-7/8"	18-7/8"	19"
-AME-655 -AME-685 SD/SU					
C	23-1/2"	24-1/2"	25-1/2"	24-1/2"	24-7/8"
-AME-685					
C	20-3/8"	21-1/4"	22-1/4"	21-1/8"	21-7/8"
-VM5000E					
Weight	73 lbs	94 lbs	157 lbs	211 lbs	283 lbs

*Weight shown is for valve body only.
Shipping weight and actuator weight will be additional.*