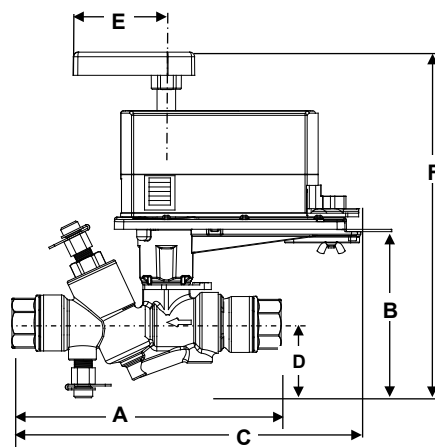
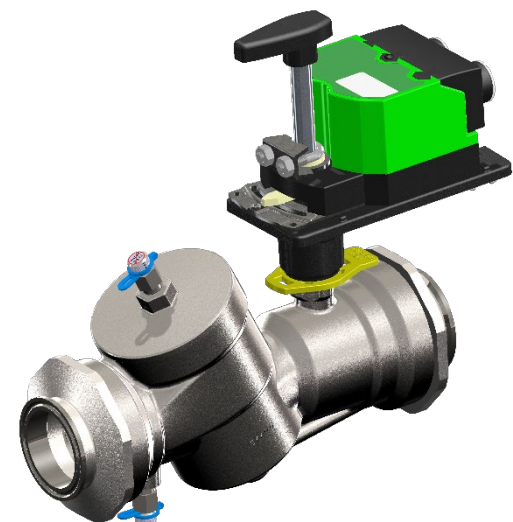




SPECIFICATIONS

Static Pressure/Temp:	360 PSI / -4°F to 250°F (600 WOG)
Service:	Chilled water, hot water, up to 50% Glycol
Flow Optimizer:	Glass Filled Polymer
Body Material:	304 Stainless Steel
End Connections:	304 Stainless Steel – NPT, BSP-P or Tri-Clamp
Stem:	304 Stainless Steel
Ball Valve:	304 Stainless Steel
Field Repairable Stem:	Dual Teflon seals and EPDM O-ring
Ball Seals:	Teflon Seals with EPDM O-Rings
Angle of Rotation:	0-90°
Accessories:	Combination P/T Test Valve and Manual Air Vent (CPTA) Standard
Leakage Rate:	ANSI Class IV, .01% of Cv



Standard Mounting Kit and Threaded Ends Shown – Direct Mount available for KMC actuators

DIMENSIONS & WEIGHTS (NOMINAL)

All dimensions are for planning purposes only and may change without notice.

SIZE	A	B	C NPT or BSP-P	C: Tri-Clamp	D	E	F ¹	WEIGHT
1-1/2"	10.8	6.8	12.6	N/A	3.0	2.5	11.5	13.7
2"	11.0		13.0	13.0				
2-1/2"	11.5		13.3	13.0				
3"	12.8		14.4	13.0				

NOTES:

¹ Height includes 5.3" long shaft & standard mounting kit. If Neptronic, KMC Controls, or Siemens actuators are used deduct 1.3" from height.

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GRISWOLD CONTROLS
A FlowCon International/Griswold Controls LLC. Company

HIGH LIMIT FLOW RATES (+/-5%)

To correctly size your valve, select a high limit flow rate that is equal to or greater than the required flow rate.

SIZE	MODEL NO.	PSID RANGE	HEAD LOSS IN FEET ²	CLOSE-OFF PSID	GPM
1-1/2"L, 2", 2-1/2",3"	SSPI2	4-58	9.2	100	25, 30, 35
		6-58	13.8		40, 45, 50
		7-58	16.1		55, 60, 65, 70, 75, 80, 85
2", 2-1/2",3"		11-58	25.3		95

MODEL NUMBER SELECTION

S
S
P
I
S
X
0

Select a Housing Size: 2=1-1/2"L-3"

FIXED END		
FNPT	BSP-P	Tri-Clamp
1-1/2"=Q, 2"=R, 2-1/2"=S, 3"=T	1-1/2"=5, 2"=6, 2-1/2"=7, 3"=8	2"=9, 2-1/2"=10, 3"=11

T= Optional
3" x 3"
Aluminum
Hanging ID Tag

Insert Actuator Model Number. If Actuator is supplied by others, insert "1" for Neptonic, "2" for Johnson Controls, "3" for Schneider Electric, "4" for Honeywell, "5" for Siemens, "6" for Belimo, "7" for KMC Controls, "K" for No Mount. **Add "V" to KMC model number for direct mount option.**

NOTES:

² Head loss in feet is required for pump head calculations. (1 PSI = 2.307 feet of water).

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The Griswold Controls Universal Mounting Plate on all 1/2" to 3" valves is compatible with the following actuators besides the actuators detailed in the following tables. Direct Mount Option available on KMC Actuators Only. Contact the factory if you have a different model number not listed below.³

Honeywell: ML6161D2006, ML6174D2009, ML7161A2008, ML7174A2001, ML6185A1000, ML6185C1008, ML8185A1008, ML8185C1006, ML7285A1007, ML7285C1005, MN6105, MN7510, MN7520, MN6110

Schneider Electric: MF40-6083, MA40-7043, MA40-7043-501, MA40-7040, MA40-7040-501, MF40-7043, MF40-7043-501, MS40-7043, MS40-7043-501

Johnson Controls: M9106-AGA2, M9106-AGC2, M9106-GGA2, M9106-GGC2, M9206-AGA2, M9206-AGC2, M9206-GGA2, M9206-GGC2, M9104-AGA-2S, M9208-GGA-2, M9208-GGA-3

Belimo: LM24, LM24S, LF24, LF24S, LF120, LF120S, LF24-3, LF24-3S, LM24SR, LF24SR, LF24SRS, LMB24-SR-T, LMB24-3-T

Neptronic: BBT-24, BBT-1000, BBT-1060, BBT-1021, BBT-1080, BBTHV-1100, BBTHV-1160, BBTHV-1120, BBTHV-1180, BBM2000A, BBM2060A

SUITABLE FOR 1/2" TO 3" VALVES

SIEMENS	GDE131.1P	GDE161.1P	GMA121.1P	GMA131.1P	GMA161.1P
Power Supply	24Vac	24Vac	24Vac/dc	24Vac/dc	24Vac/dc
Torque	44 in-lb	44 in-lb	62 in-lb	62 in-lb	62 in-lb
Control Signal: On/Off			•		
Control Signal: 3 Point	•			•	
Control Signal: Modulating 0–10 VDC		•			•
Speed	90 sec	90 sec	90 sec	90 sec	90 sec
Fail Safe (Spring Return)			•	•	•
Operating Power	3.3 VA	3.3 VA	5 VA	5 VA	5 VA
Mounting Components	9656-250	9656-250	9656-250	9656-250	9656-250
Weight	1.1 pounds	1.1 pounds	3.0 pounds	3.0 pounds	3.0 pounds
Wiring Diagram	Power Supply Where 6 is CW and 7 is CCW				

KMC CONTROLS ⁴	MEP-4001	MEP-4002	MEP-4554	MEP-4555	MEP-4501	MEP-4552 (formerly MEP-5372)	MEP-4551 (formerly MEP-5373)	MCP-36315000
Power Supply	24 Vac	24 Vac	24 Vac/dc	100-240 Vac	24 Vac	24 Vac	24 Vac	Pneumatic
Torque	40 in-lb	40 in-lb	45 in-lb	45 in-lb	40 in-lb	45 in-lb	45 in-lb	59 in-lb
Control Signal: On/Off			•	•	•			
Control Signal: 3 Point	•				•		•	
Control Signal:		Modulating 2-10VDC				Modulating 2-10VDC		8-13 psi
Speed	90 sec	90 sec	<35 sec	<25 sec	<35 sec	50 sec	90 sec	
Fail Safe (Capacitor)			•	•		•	•	
Operating Power	2 VA	4 VA	6 VA	6 VA	6 VA	6 VA	6 VA	
Mounting Components	9656-250	9656-250	9656-248	9656-248	9656-248	9656-250	9656-250	9656-852
Weight	1.1 pounds	1.1 pounds	1.5 pounds	1.5 pounds	1.1 pounds	3.0 pounds	3.0 pounds	1.5 pounds
Wiring Diagram	See actuator cover for wiring diagram							

NOTES:

³ Do not use actuators capable of torques higher than 90 in-lbs.

⁴ Add V to KMC model number for direct mount option.

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