Bulletin
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NOR'EAST™ CONTROLS

SINGLE SEATED CAGE VALVES

SERIES 1400 MODEL 1401

ALLAGASH™ INTERNATIONAL GROUP, LLC

Previously manufactured by
Dezurik® and Honeywell®

Description:

The Model 1401 valve combines a heavy-duty, single-seated globe valve with a pneumatic diaphragm actuator for low and ultra-low flow applications. The actuator is spring type which provides either direct or reverse action as specified.

Accessories:

- Pneumatic and electro-pneumatic positioners
- Top or side-mounted Handwheel
- Micro Switch open/closed switches
- Solenoids
- Transducers
- Air sets

SPECIFICATIONS

Actuator

Type	Pneumatic diaphragm-actuated. Type 01. Direct or reverse acting, spring.
Construction	Pressed steel diaphragm case plates and heavy duty, cast iron yoke. Finished in blue corrosion-resistant enamel.
Diaphragm Material	Molded of Buna N with a Nylon insert. Ambient temperature range of -40° -180°F (-40° -82°C). Other materials are available for higher or lower temperature ranges.
Spring	Totally enclosed. Range: 3-15 psi (21-100 kPa) standard - for other ranges, see actuator shutoff capabilities chart.
Air Pressure (Air-to-diaphragm)	Normal: 18 or 25 psi (124 or 241 kPa) Maximum: 50 psi (344 kPa)
Air Connections	1/4” NPT. Other sizes on application.

Body

Type	Single-seated, unbalanced, straight-through, globe type.
Material	Cast iron, carbon steel or stainless steel. Other alloys available as options.
Sizes	Threaded ends: 0.5, 0.75, 1, 1.5 and 2” (15, 20, 25, 40 and 50 mm). Flanged ends : 1, 1.5 and 2" (25, 40 and 50 mm)
Ratings	Cast iron with threaded ends: 250 lb. ANSI B16-1 in 0.5, 0.75, 1, 1.5 and 2" (15, 20, 25, 40 and 50 mm). Cast iron with flanged ends: 125 and 250 lb. ANSI B16-1 in 1" (25mm) size. Carbon steel and stainless steel with threaded ends: 600 lb. ANSI B16.34 in 0.5, 0.75, 1, 1.5 and 2" (15, 20, 25, 40 and 50mm). Carbon and stainless steel with flanged ends: 150, 300 and 600 lb. ANSI B16.34.

SPECIFICATIONS

Bonnet

Type	Plain: For process temperatures from 32° to 250°F (0°-232°C). Die-formed graphite packing can be used for temperatures up to 750°F (399°C). Extension Column: For process temperatures from -150° to 32°. (-101°-0°C). Radiation Fin: For process temperatures from 450° to 750°F (232°-399°C). Not furnished with cast iron bodies. Bellows seal: Used when a positive stem seal is required, for process temperatures up to 750°F (399°C).
Packing	Bolted Box: PTFE v-ring or die-formed graphite.

Trim

Material	Stainless steel type 316 standard. Also available in Monel, Alloy 20, Hastelloy C and solid Stellite*. Other materials available as options.
Plugs	Single-seated throttling plugs with either equal percentage or linear characteristics. Selections given in Cv (Kv) Chart.
Valve Travel	Low flow: 9/16" (14mm) Ultra-low flow: 1/4" (6mm)
Leakage	Maximum allowable leakage under factory testing is 0.01% of rated Cv (Kv) for metal-seated design ANSI B16.104 Class IV. Maximum allowable pressure drop for soft seated design 400 psi (2760 kPa).

* Stellite is a registered trademark of Stoody Deloro Stellite, Inc.

ORDERING DATA

Please Specify:

- Valve Model 1401
- Flow (low or ultra-low)
- Body Material
- Size
- End connections
- Bonnet
- Packing
- Trim material
- Spring range
- Actuator size
- Action (air-to-close or air-to-open)

Note: Specifications subject to change without notice.

FLOW COEFFICIENTS

Equal Percentage Contour, Threaded Ends Cv/Kv Values

Valve Size	Equal Percentage Contour						
	Full Port	1 Size Reduced	2 sizes Reduced	3 sizes Reduced	4 sizes Reduced	5 sizes Reduced	6 sizes Reduced
5" 15mm	4.0" 3.5	2.5 2.2	1.6 1.4	0.63 0.54	-	-	-
0.75" 20mm	8.0 6.9	6.3 5.4	4.0 3.5	2.5 2.2	1.6 1.4	0.63 0.54	-
1" 25mm	11.0 9.5	8.0 6.9	6.3 5.4	4.0 3.5	2.5 2.2	1.6 1.4	0.63 0.54
1.5" 40mm	13.5 11.7	10.0 8.7	8.0 6.9	4.0 3.5	1.6 1.4	-	-
2" 50mm	13.9 12	10.8 9.3	8.0 6.9	4.0 3.5	1.6 1.4	-	-

Equal Percentage Contour, Flanged Ends Cv/Kv Values

Valve Size	Equal Percentage Contour						
	Full Port	1 Size Reduced	2 sizes Reduced	3 sizes Reduced	4 sizes Reduced	5 sizes Reduced	6 sizes Reduced
1" 26mm	11.0 9.5	8.0 6.9	6.3 5.4	4.0 3.5	2.5 2.2	1.6 1.4	0.63 0.54
1.5" 40mm	12.5 10.5	10.0 8.7	8.0 6.9	4.0 3.5	1.6 1.4	-	-
2" 50mm	12.7 11.0	10.8 9.3	8.0 6.9	4.0 3.5	1.6 1.4	-	-

Equal Percentage Contour, Flanged Ends Cv/Kv Values

Valve Size	Equal Percentage Contour				
	Full Port	1 Size Reduced	2 sizes Reduced	3 sizes Reduced	4 sizes Reduced
5" 15mm	4.0" 3.5	1.6 1.4	0.63 0.54	0.25 0.22	-
0.75" 20mm	6.3 5.4	4.0 3.5	1.60 1.4	0.63 0.54	0.25 0.22
1" 26mm	6.3 5.4	4.0 3.5	1.6 1.4	0.63 0.54	0.25 0.22

Note: Cv values = Flow in GPM of water at 1 psi pressure drop.
Kv values = Flow in M^3/hour of water at 100 kPa pressure drop.

FLOW COEFFICIENTS

Equal Percentage Contour, Flanged Ends Cv/Kv Values

Valve Size	Equal Percentage Contour				
	Full Port	1 Size Reduced	2 sizes Reduced	3 sizes Reduced	4 sizes Reduced
1" 25mm	6.3 5.4	4.0 3.5	1.6 1.4	0.63 0.54	0.25 0.22

Linear Contoured, Threaded Ends Cv/Kv Values

Valve Size	Equal Percentage Contour				
	Full Port	1 Size Reduced	2 sizes Reduced	3 sizes Reduced	4 sizes Reduced
5" 15mm	4.0" 3.5	1.6 1.4	0.63 0.54	-	-
0.75" 20mm	9.1 7.9	4.0 3.5	1.6 1.4	0.63 0.54	-
1" 25mm	12.9 11.2	9.1 7.9	4.0 3.5	1.6 1.4	0.63 0.54
1.5" 40mm	14.2 12.3	9.9 8.6	4.0 3.5	1.6 1.4	-
2" 50mm	16.0 13.8	14.7 12.7	10.5 9.1	4.0 3.5	1.6 1.4

Linear Contoured, Flanged ends Cv/Kv Values

Valve Size	Equal Percentage Contour				
	Full Port	1 Size Reduced	2 sizes Reduced	3 sizes Reduced	4 sizes Reduced
1" 25mm	12.9 11.2	9.1 7.9	4.0 3.5	1.6 1.4	0.63 0.54
1.5" 40mm	13.2 11.9	10.0 8.7	4.0 3.5	1.6 1.4	-
2" 50mm	14.6 12.6	13.5 11.7	9.6 8.3	4.0 3.5	1.6 1.4

Ultra Low-Flow Trim Linear Contoured, Thread or Flanged Ends Cv/Kv Values

Valve Size	Equal Percentage Contour				
	Full Port	1 Size Reduced	2 sizes Reduced	3 sizes Reduced	4 sizes Reduced
5" 15mm	1.0" 0.9	0.40 0.35	0.16 0.14	0.071 0.061	0.025 0.022
0.75" 20mm	1.0 0.9	0.40 0.35	0.16 0.14	0.071 0.061	0.025 0.022
1" 25mm	1.0 0.9	0.40 0.35	0.16 0.14	0.071 0.061	0.025 0.022

Note: Cv values = Flow in GPM of water at 1 psi pressure drop.
Kv values = Flow in M^3/hour of water at 100 kPa pressure drop.

ACTUATOR SHUTOFF CAPABILITIES

Air-to-Close (Spring-to-Open)

Valve Size			Flow Coefficient Cv/Kv					
			=% V-Port	=% V-Port	=% & Lin. Contour	=% V-Port	=% & Lin. Contour	=% Lin. Contour
0.5 15mm, 0.75" 20mm, 1" 25mm			0.25 0.22	0.63 0.54	0.63 0.54	1.6 1.4	1.6 1.4	2.5 2.2
1.5" 40mm			-	-	-	1.6 1.4	1.6 1.4	-
2" 50mm			-	-	-	1.6 1.4	1.6 1.4	-
Actuator Size	Air supply Psig/KPA	Spring Range psig/kPa	=% V-Port	=% V-Port	=% & Lin. Contour	=% V-Port	=% & Lin. Contour	=% Lin. Contour
9	18 124	3-15 21-103	1480 10200	1480 10200	1480 10200	530 3560	1145 7890	530 3650
		2-14" 14-69"	1480 10200	1480 10200	1480 10200	830 5720	1480 10200	830 5720
		3-9 21-62	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		2-6 14-41	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
11	18 124	3-15 21-103	1480 10200	1480 10200	1480 10200	1015 6990	1480 10200	1480 10200
		2-14" 14-69"	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		3-9 21-62	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		2-6 14-41	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
9	35 241	3-15 21-103	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		2-14" 14-69"	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		3-9 21-62	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		2-6 14-41	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		6-30 41-207	1480 10200	1480 10200	1480 10200	1135 7820	1480 10200	1135 7820
11	35 241	3-15 21-103	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		2-14" 14-69"	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		3-9 21-62	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		2-6 14-41	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200

* These are 3-15 psig (21-103kPa) springs set to increase maximum pressure differential

Note: These shutoff ratings are the maximum permissible for the specified actuator and spring ranges. Further limitations by the body pressure rating per ANSI B16.5 may occur. For ultra-low differentials, see pg 9

ACTUATOR SHUTOFF CAPABILITIES

Air-to-Close (Spring-to-Open), Continued

Valve Size			Flow Coefficient Cv/Kv					
			=% V-Port	=% & Lin. Contour	=%, V-Port Lin Contour	=% & Lin. Contour	=% & Lin. Contour	=% & Lin. Contour
0.5 15mm 0.75" 20mm 1" 25mm			4.0 3.5	4.0 3.5	6.3 5.4	8.0 6.9	11.0 75.8	-
1.5" 40mm			4.0 3.5	4.0 3.5	8.0 3.5	9.9 10.00 8.6 8.7	-	12.1 13.7 10.5 11.9 14.2 12.3
2" 50mm			4.0 3.5	4.0 3.5	8.0 6.9	9.9 10.00 8.6 8.7 10.5 10.8 9.1 9.3	135 14.7 11.7 12.7	12.7 13.5 10.9 11.7 14.6 16.0 12.6 13.8
Actuator Size	Air supply Psig/KPA	Spring Range psig/kPa	=% V-Port	=% & Lin. Contour	=% & Lin. Contour	=% & Lin. Contour	=% & Lin. Contour	=% Lin. Contour
9	18 124	3-15 21-103	295 2030	530 3650	140 965	140 965	90 620	70 480
		2-14" 14-69"	475 3270	830 5720	240 1650	240 1650	165 1140	135 930
		3-9 21-62	1365 9400	1480 10200	740 5100	740 5100	530 3560	435 3130
		2-6 14-41	1480 10200	1480 10200	300 2070	300 2070	775 5340	650 4480
11	18 124	3-15 21-103	580 4000	1480 10200	455 3130	455 3130	210 1450	175 12010
		2-14" 14-69"	860 5930	1480 10200	1230 8470	1230 8470	325 2240	275 1890
		3-9 21-62	1480 10200	1480 10200	1480 10200	1480 10200	890 6130	770 5310
		2-6 14-41	1480 10200	1480 10200	1480 10200	1480 10200	1230 8470	1070 7370
9	35 241	3-15 21-103	1480 10200	1480 10200	1480 10200	1480 10200	1375 9780	1165 8030
		2-14" 14-69"	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1230 8470
		3-9 21-62	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		2-6 14-41	655 4510	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		6-30 41-207	1480 10200	1480 10200	1480 10200	1135 7820	1480 10200	1135 7820
11	35 241	3-15 21-103	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		2-14" 14-69"	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		3-9 21-62	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		2-6 14-41	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200

ACTUATOR SHUTOFF CAPABILITIES

Air-to-Open (Spring-to-Close)

Valve Size			Flow Coefficient Cv/Kv					
			=% V-Port	=% V-Port	=% & Lin. Contour	=% V-Port	=% & Lin. Contour	=% & Contour
0.5 15mm / 0.75" 20mm / 1" 25mm			0.25 0.22	0.63 0.54	0.63 0.54	1.6 1.4	1.6 1.4	2.5 2.2
1.5" 40mm			-	-	-	1.6 1.4	1.6 1.4	-
2" 50mm			-	-	-	1.6 1.4	1.6 1.4	-
Actuator Size	Air supply Psig/KPA	Spring Range psig/kPa	=% V-Port	=% V-Port	=% & Lin. Contour	=% V-Port	=% & Lin. Contour	=% Lin. Contour
9	18 124	3-15 21-103	1480 10200	1265 8720	1480 10200	595 4100	1265 8720	595 4100
		5.5-18" 38-12"	1480 10200	1480 10200	1480 10200	1385 9540	1480 10200	1385 9540
		3-9 21-62	1480 10200	1265 8720	1480 10200	595 4100	1265 8720	595 4100
		10.5-18 72-124	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
11	18 124	3-15 21-103	1480 10200	1480 10200	1480 10200	1075 7410	1480 10200	1075 7410
		6-18" 41-124"	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		3-9 21-62	1480 10200	1480 10200	1480 10200	1075 7410	1480 10200	1075 7410
		10-16 69-110	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
9	35 241	6-30 138-234	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
		20-34" 138-234	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200
11	35 241	14-23 96-158	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200

* These are 3-15 psig (21-103kPa) springs set to increase maximum pressure differential

Note: These shutoff ratings are the maximum permissible for the specified actuator and spring ranges. Further limitations by the body pressure rating per ANSI B16.5 may occur. For ultra-low differentials, see pg 9

ACTUATOR SHUTOFF CAPABILITIES

Air-to-Open (Spring-to-Close), Continued

Valve Size			Flow Coefficient Cv/Kv					
			=% V-Port	=% & Lin. Contour	=% & V-Port & Lin. Contour	=% & Lin. Contour	=% & Lin. Contour	=% & Lin. Contour
0.5 15mm 0.75" 20mm 1" 25mm			4.0 3.5	4.0 3.5	6.3 5.4	8.0 6.9	11.0 75.8	-
1.5" 40mm			4.0 3.5	4.0 3.5	8.0 6.9	9.9 10.0 8.6 8.7	-	12.1 13.7 10.5 11.9 14.2 12.3
2" 50mm			4.0 3.5	4.0 3.5	8.0 6.9	9.6 10.0 8.3 8.7 10.5 10.8 9.1 9.3	13.5 14.7 11.7 12.7	12.7 13.5 10.9 11.7 14.6 16.0 12.6 13.8
Actuator Size	Air supply Psig/KPA	Spring Range psig/kPa	=% V-Port	=% V-Port	=% & V-Port & Lin. Contour	=% & Lin. Contour	=% & Lin. Contour	=% Lin. Contour
9	18 124	3-15 21-103	330 2270	595 4100	160 1100	160 1100	105 723	85 586
		5.5-18" 38-12"	810 6680	1385 9540	425 2930	425 2930	300 2070	255 1760
		3-9 21-62	330 2270	595 4100	160 1100	160 1100	105 723	85 586
		10.5-18 72-124	1480 10200	1480 10200	480 10200	965 6650	695 4790	600 4130
11	18 124	3-15 21-103	620 4270	1075 7400	320 2200	320 2200	215 1480	185 1270
		6-18" 41-124"	1480 10200	1480 10200	835 6760	835 6750	580 4000	500 3450
		3-9 21-62	620 4270	1075 7400	320 2200	320 2200	215 1480	185 1270
		10-16 69-110	1480 10200	1480 10200	1480 10200	1480 10200	1055 7270	910 6270
9	35 241	6-30 138-234	905 6240	1480 10200	480 10200	480 10200	340 2340	290 2000
		20-34" 138-234	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1255 8650
11	35 241	14-23 96-158	1480 10200	1480 10200	1480 10200	1480 10200	1480 10200	1330 9160

* These are 3-15 psig (21-103kPa) springs set to increase maximum pressure differential

Note: These shutoff ratings are the maximum permissible for the specified actuator and spring ranges. Further limitations by the body pressure rating per ANSI B16.5 may occur. For ultra-low differentials, see pg 9

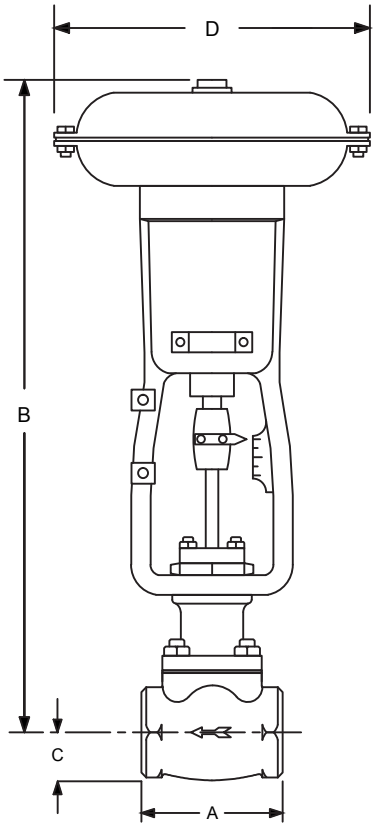
Ultra Low-Flow Trim flow coefficients are 0.025, 0.063, 0.16, 0.40 and 1.0 (0.022, 0.055, 0.14, 0.35, 0.9 Kv) with a 18 psi (125 kPa) and a spring range of 3-15 psi (20-100kPa). The maximum pressure differential is 1480 (10200kPa).

DIMENSIONS

Flanged Ends

Valve Size	Actuator Size	A			B				C		D
					Air-to-Close		Air-to-Open				
		Iron 125 Steel 150	Iron 250 Steel 300	Steel 600	Plain Bonnet	All Other Bonnets	Plain Bonnet	All Other Bonnets	Iron 125 Steel 300	Iron 250 Steel 300	Steel 600
1" 25mm	9	7.25 184	7.75 197	8.25 210	25.13 514	26.13 664	21.75 552	277.7 704	2.13 54	2.43 62	10.56 268
1.5" 400mm	9	8.75 222	9.25 235	-	20.25 514	26.13 664	21.75 552	277.7 704	2.5 64	3.07 78	10.56 268
2" 50mm	9	10.0 254	10.5 267	-	20.25 514	26.13 664	21.75 552	277.7 704	3.0 75	3.25 83	10.56 268
1" 25mm	11	7.25 184	7.75 197	8.25 210	21.6 549	27.5 698	24.9 610	30.8 782	2.13 54	2.43 62	12.75 324
1.5"u 40mm	11	8.75 222	9.26 235	-	21.6 549	27.5 698	24.9 610	30.8 782	2.5 64	3.07 78	12.75 324
2" 50mm	11	10.0 254	10.5 267	-	21.6 549	27.5 698	24.9 610	30.8 782	3.0 75	3.25 8.3	12.75 324

Inch/Millimeter



DIMENSIONS

Threaded Ends

Valve Size	Actuator Size	A	B				C	D
		Iron 125 Steel 150	Air-to-Close		Air-to-Open			Steel 600
			Plain Bonnet	All Other Bonnets	Plain Bonnet	All Other Bonnets		
0.5" 0.75" 15mm 20mm 1" 25mm	9	4.5 114	20.25 514	26.13 664	21.75 552	277.7 704	1.25 32	10.56 268
1.5" 400mm	9	6.25 159	20.25 514	26.13 664	21.75 552	277.7 704	1.43 36	10.56 268
2" 50mm	9	7.0 177	20.25 514	26.13 664	21.75 552	277.7 704	1.7 43	10.56 268
0.5" 0.75" 15mm 20mm 1" 25mm	11	4.5 114	21.6 549	27.5 698	24.9 610	30.8 782	1.25 32	12.75 324
1.5"u 40mm	11	6.25 159	21.6 549	27.5 698	24.9 610	30.8 782	1.43 36	12.75 324
2" 50mm	11	7.0 177	21.6 549	27.5 698	24.9 610	30.8 782	1.7 43	12.75 324

Inch
Millimeter

Guarantee

Products, auxiliaries and parts thereof, of Allagash International Group, LLC, a manufacturer of Nor' East Controls, are guaranteed for a period of one year from the date of shipment against defective workmanship and material only, when properly installed, operated and serviced in accordance with Allagash International Group, LLC recommendations. Replacement for items of Allagash International Group, LLC manufacture will be made free of charge if proved to be defective within such time. No claim for special or consequential damages, transportation, or labor shall be allowed. Purchaser shall be solely responsible for determining suitability for use and in no event shall Allagash International Group, LLC be liable in this respect. Equipment or parts manufactured by others but furnished by Allagash International Group, LLC will be repaired or replaced, only to the extent provided in the original manufacturer's warranty to Allagash International Group, LLC. Allagash International Group, LLC does not guarantee resistance to corrosion, erosion, abrasion or other sources of failure, nor does Allagash International Group, LLC guarantee a minimum length of service. Failure of the purchaser to give prompt written notice of any alleged defect under this guarantee forthwith upon its discovery, or use and possession thereof after an attempt has been made and completed by someone other than Allagash International Group, LLC or an authorized representative to remedy defects therein, or failure to return products or parts for replacement as herein provided, of failure to install, operate, and maintain said products or parts according to instructions provided by Allagash International Group, LLC, of failure to pay the entire contract price when due, shall be a waiver of all rights under these representations.

The foregoing guarantee shall be null and void, if, after shipment from our factory, the item is modified in any way or component of another manufacturer, such as but not limited to; an actuator is attached to the item by valves & controls other than a Allagash International Group, LLC.

Factory Service Personnel. All orders accepted shall be deemed accepted subject to this guarantee, which shall be exclusive of any other previous guarantee, and this shall be the only effective guarantee or warranty binding on Allagash International Group, LLC, anything to the contrary contained in the purchase order, or represented by any agent or employee of Allagash International Group, LLC, in writing or otherwise, notwithstanding, including but not limited to implied warranties.

THE FOREGOING OBLIGATIONS ARE IN LIEU OF ALL OTHER OBLIGATIONS AND LIABILITIES INCLUDING WARRANTIES OF FITNESS OR MERCHANTABILITY OR OTHERWISE, EXPRESSED OR IMPLIED IN FACT OR BY LAW, AND STATE NOR'EAST CONTROLS AND EXCLUSIVE LIABILITY AND PURCHASER'S EXCLUSIVE REMEDY FOR ANY CLAIM IN CONNECTION WITH THIS SALE OR FURNISHING OF SERVICES, GOODS, OR PARTS, THEIR OWN DESIGN, SUITABILITY FOR USE, INSTALLATION OR OPERATION.

Limitation of Liability

In no event shall Allagash International Group, LLC, a Manufacturer of Nor' East Controls be liable for any direct, indirect, special or consequential damages whatsoever, and Allagash International Group, LLC liability, under no circumstances, will exceed the contract price for the goods and/or services for which liability is claimed. Any action for breach of contract must be commenced within 1 year after the cause of the action has occurred.

ALLAGASH™
INTERNATIONAL GROUP, LLC

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Sales and Service

Allagash International Group, LLC representatives are located in major cities throughout the world.
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