Bulletin 516.01-3NE January 2016

NOR EAST CONTROLS



THREE-WAY VALVES SERIES 1600 MODEL 1601 SERIES 1900 MODEL 1901



Previously manufactured by Dezurik[®] and Honeywell[®]

Description:

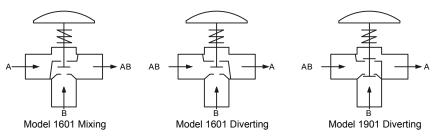
Models 1601 and 1901 three-way valves combine with pneumatic, spring-type actuators for heavy duty mixing or diverting service.

Accessories:

- Pneumatic and electro-pneumatic positioners
- Top mounted Handwheel (direct-acting only)
- Micro Switch precision switches
- Solenoids
- Transducers
- Air sets

Flow:

Model 1601 can be used for mixing and diverting service; model 1901 can be used only for diverting service. In mixing applications, flow is piped into ports A and B and emerges from port AB. In diverting applications, flow is piped into port AB and emerges from ports A and B.



SPECIFICATIONS

Actuator

Туре	Pneumatic, diaphragm-actuated type 01. Direct or reverse acting , spring or springless.
Construction	Pressed steel diaphragm case plates and heavy duty, cast iron yoke. Finished in blue corrosion-re- sistant enamel.
Diaphragm Material	Molded of Buna N with nylon insert. Ambient temperature range of -20° to 160°F (-29° to 71°C). Other materials available for higher or lower temperatures.
Spring	Totally enclosed. Ranges: 3 to 15 psig (21 to 100 kPa) standard. For other ranges, see actuator shutoff capabilities charts.
Air Pressure (Air-to-diaphragm)	Normal: 18 or 35 psi (124 or 241 kPa). Maximum: 50 psi (344 kPa).
Air Connections	1/4" NPT.

Body

Туре	Three-way, globe type, mixing and diverting.
Material	Cast Iron, carbon steel or stainless steel. Other alloys available as options.
Ratings	Cast iron with threaded ends: 250 lb. ANSI B16.1 in 1, 1.25, 1.5 and 2" (25, 32, 40 and 50mm). Cast iron with flanged ends: 125 and 250 ib. ANSI B16.11 in all sizes. Carbon steel and stainless steel with threaded ends: 600 lb. ANSI B16.34 in 1, 1.25, 1.5 and 2" (25, 32, 40 and 50mm). Car- bon steel and stainless steel with flanged ends: 150, 300 and 600 lb. ANSI B16.34 in all sizes.

SPECIFICATIONS

Bonnet

Туре	Plain: For process temperatures between 32° to 450°F (0° to 232°C). Die formed graphite packing can be used for temperatures up to 750°F (399°C). Extension Column: For process temperatures from 450° to 1050°F (232° to 615°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: Spring-loaded PTFE v-ring, graphite.

Trim

MaterialStainless steel type 316 standard. Other materials as options.							
-	Skirt-guided, linear v-port.						
	As flow through one port varies 0 to 100%, flow through other port varies 100% to 0%.						

Action

Valve Action	Air-to-Close bottom port "B" is standard for model 1601.
	Air-to-Close bottom port "B" is standard for model 1901.
	Direct acting actuator is standard for both models.

ORDERING DATA

Please Specify:

- Valve Model
- Body material
- Size
- End connections
- Bonnet
- Packing
- Trim material
- Control type (on-off or throttling)
- Accessories
- Action (air-to-close or air-to-open, "B"port)
- Pressure at each pipe connection

FLOW COEFFICIENTS

Full Trim, Cv/Kv Values

		Lin	ear	
Valve Size	Mode	l 1601	Mode	l 1901
	Port A to AB	Port B to AB	Port AB to A	Port AB to B
<u>1"</u> 25mm	<u>13</u> 11	<u>13</u> 11	-	-
<u>1.25"</u> 32mm	<u>16.5</u> 14.3	<u>17.5</u> 15.1	-	-
<u>1.5"</u> 40mm	<u>27</u> 23	<u>30</u> 26	-	-
<u>2"</u> 50mm	<u>41</u> 35	<u>45.6</u> 39.4	-	-
<u>2.5"</u> 65mm	<u>64</u> 55	<u>71.1</u> 61.5	-	-
<u>3"</u> 80mm	<u>92</u> 80	<u>102</u> 88	<u>80</u> 69	<u>77</u> 67
<u>4"</u> 100mm	<u>150</u> 130	<u>155</u> 134	<u>130</u> 112	<u>125</u> 108
<u>6"</u> 150mm	<u>320</u> 277	<u>331</u> 286	<u>270</u> 234	<u>260</u> 225
<u>8″</u> 200mm	<u>570</u> 493	<u>590</u> 510	<u>480</u> 415	<u>562</u> 400
<u>10"</u> 250mm	<u>910</u> 787	<u>942</u> 815	<u>750</u> 649	<u>722</u> 625
<u>12"</u> 300mm	<u>1310</u> 1130	<u>1360</u> 1176	<u>1080</u> 934	<u>1040</u> 900

Notes: Cv values = Flow in GPM of water at 1 psi pressure drop. Kv vales = Flow in M³/hour of water at 100 kPa pressure drop.

Spring-Type Actuator

			Air	Actuator		Model 1601		Model 1901
Valve	Actuator	Travel	Supply	Actuator Spring Range	Mixing	Dive	Diverting	
Size	Size	nuver	<u>psi</u> kPa	<u>psi</u> kPa	Throttling or On-Off	Throttling	On-Off	Throttling or On-Off
				3-15 21-103	<u>65</u> 448	<u>85</u> 586	-	-
			19	<u>3-9</u> 21-62	<u>75</u> 517	_	-	-
			<u>18</u> 120	<u>6-12</u> 41-83	<u>190</u> 1310	-	_	-
				<u>8-14</u> 55-96	<u>110</u> 758	-	_	-
				<u>3-15</u> 21-103	-	-	<u>135</u> 930	-
<u>1"</u> 25mm	9	<u>9/16"</u> 14mm		<u>7-19</u> 48-131	<u>250</u> 1720	_	-	-
			<u>35</u> 240	7-13 48-90	<u>250</u> 1720	_	-	-
				<u>8-14</u> 55-96	<u>295</u> 2030	_	-	-
				<u>6-30</u> 41-207	<u>150</u> 1030	<u>190</u> 1310	<u>235</u> 1620	-
			40	<u>6-30</u> 41-207	<u>205</u> 14 10	-	-	-
			<u>40</u> 276	<u>11-28.5</u> 76-196	<u>420</u> 2890	_	-	-
	11	<u>9/16"</u> 14mm	18	<u>3-15</u> 21-103	<u>140</u> 965	<u>165</u> 1140	<u>230</u> 1580	-
1"			<u>18</u> 120	5-12.5 34-86	<u>345</u> 2380	-	-	-
25mm			<u>35</u> 240	<u>10.5-18.5</u> 72-127	<u>600</u> 4130	_	-	-
			<u>40</u> 276	<u>13.5-25.5</u> 93-176	<u>600</u> 4130	_	_	-
		<u>3/4"</u> 19mm		<u>3-15</u> 21-103	<u>55</u> 379	<u>75</u> 517	<u>115</u> 792	-
			<u>18</u> 120	<u>3-9</u> 21-62	<u>65</u> 448	-	-	-
				4.5-10.5 31-72	<u>125</u> 861	-	-	-
				<u>7-15</u> 48-103	<u>55</u> 379	_	-	-
<u>1.25"</u> 32mm	9			<u>5-17.5</u> * 34-121*	<u>145</u> 1000	_	-	-
			<u>35</u> 240	<u>7-15</u> 48-108	<u>230</u> 1580	_	-	-
				<u>6-30</u> 41-207	<u>125</u> 861	<u>180</u> 1240	<u>210</u> 1450	-
			40	<u>6-30</u> 41-207	<u>190</u> 1310	-	-	-
			<u>40</u> 276	7-31 48-214	230 1580	_	_	-
			<u>18</u>	<u>3-15</u> 21-103	<u>145</u> 1000	<u>145</u> 1000	<u>205</u> 1410	-
			120	<u>5-12.5</u> 34-86	<u>260</u> 1790	-	-	-
<u>1.25"</u>		3/// "	25	<u>6-30</u> 41-207	<u>225</u> 1550	<u>290</u> 2000	<u>410</u> 2820	-
32mm	11	<u>3/4"</u> 19mm	<u>35</u> 240	<u>10.5-18.5</u> 72-127	<u>600</u> 4130	-	-	-
			40	<u>6-30</u> 41-207	<u>300</u> 2070	_	_	-
			276	<u>13.5-25.5</u> 93-176	600 4130	_	_	_

* These are 3-15 psi (21-103 kPa) springs except the setting has been changed to increase the maximum pressure differential.

Spring-Type Actuator

			Air	0 otwortow		Model 1601		Model 1901
Valve	Actuator	Travel	Supply	Actuator Spring Range	Mixing	Dive	rting	Diverting
Size	Size	inaver	<u>psi</u> kPa	<u>psi</u> kPa	Throttling or On-Off	Throttling	On-Off	Throttling or On-Off
				<u>3-15</u> 21-103	<u>20</u> 138	<u>30</u> 207	<u>45</u> 310	<u>30</u> 207
				<u>3-9</u> 21-62	<u>25</u> 172	-	_	45 310
			<u>18</u> 120	3.5-9.5 24-65	<u>35</u> 241	-	_	<u>55</u> 379
				7-14 48-96	<u>35</u> 241	_	_	<u>50</u> 345
<u>3"</u>		1.25"		<u>5-11</u> 34-76	<u>60</u> 413	-	_	<u>90</u> 620
80mm	13	32mm		<u>8-21.5</u> * 55-148*	<u>110</u> 758	_	_	<u>160</u> 1100
			<u>35</u> 240	<u>6-30</u> 41-207	-	<u>60</u> 413	<u>90</u> 620	_
				7-14 48-96	<u>90</u> 620	-	-	<u>135</u> 930
			40	<u>6-26.5</u> 41-183	75 517	-	_	<u>115</u> 792
			<u>40</u> 276	<u>9-29.5</u> 62-203	<u>120</u> 827	-	_	<u>175</u> 1210
	15	32mm	18 120	<u>3-15</u> 21-103	-	<u>50</u> 345	<u>75</u> 517	-
<u>3"</u>				4.5-12 31-83	<u>90</u> 620	_	_	<u>150</u> 1030
80mm			<u>35</u> 240	<u>8.5-23.5</u> 59-162	<u>190</u> 1310	-	-	<u>290</u> 2000
			<u>40</u> 276	<u>10-25.5</u> 69-176	<u>230</u> 1580	-	_	<u>360</u> 2480
			<u>18</u> 120	<u>3-15</u> 21-103	<u>9</u> 62	<u>15</u> 103	<u>25</u> 172	<u>15</u> 103
				<u>3-9</u> 21-62	<u>14</u> 96	-	_	<u>20</u> 138
				<u>3.5-9.5</u> 24-65	<u>18</u> 124	-	-	<u>30</u> 207
				<u>7-14</u> 48-96	<u>18</u> 124	_	_	<u>25</u> 172
<u>4"</u>				<u>5-11</u> 34-76	<u>30</u> 207	-	-	<u>50</u> 345
100mm	13	32mm		<u>8-21.5</u> 55-148	<u>60</u> 413	_	-	<u>90</u> 620
			<u>35</u> 240	<u>7-14</u> 48-96	<u>50</u> 345	-	_	<u>75</u> 517
				<u>6-26.5</u> 41-183	-	<u>20</u> 138	<u>30</u> 207	-
			<u>40</u>	<u>6-26.5</u> 41-183	<u>40</u> 276	-	_	<u>65</u> 448
			276	<u>9-29.5</u> 62-203	<u>65</u> 448	-	-	<u>100</u> 689
			<u>18</u>	<u>3-15</u> 21-103	_	<u>30</u> 207	<u>40</u> 276	_
<u>4"</u>		<u>1.25"</u> 32mm	120	<u>4.5-12</u> 31-83	<u>45</u> 310	-	_	<u>90</u> 620
100mm	15		<u>35</u> 240	<u>8.5-23.5</u> 59-162	<u>105</u> 720	_	_	<u>175</u> 1210
			<u>40</u> 276	<u>10-25.5</u> 69-176	<u>125</u> 861	_	_	<u>215</u> 1480

* These are 3–15 psi (21–103 kPa) springs except the setting has been changed to increase the maximum pressure differential.

Spring-Type Actuator

			0.1-1	Actuator		Model 1601		Model 1901		
Valve	Actuator	Travel	Air Supply	Actuator Spring Range	Mixing	Dive	rting	Diverting		
Size	Size	inaver	<u>psi</u> kPa	p <u>si</u> kPa	Throttling or On-Off	Throttling	On-Off	Throttling or On-Off		
				<u>3-15</u> 21-103	<u>30</u> 207	<u>55</u> 379	<u>80</u> 551	-		
			10	<u>3-9</u> 21-62	40 276	_	_	_		
			<u>18</u> 120	4.5-10.5 31-72	<u>85</u> 586	-	_	_		
				7-15 48-103	<u>30</u> 207	_	-	-		
<u>1.5"</u> 40mm	9	<u>3/4"</u> 19mm		<u>5-17.5</u> * 34-121*	<u>95</u> 655	_	_	-		
			<u>35</u> 240	<u>7-15</u> 48-103	<u>155</u> 1070	_	-	-		
				<u>6-30</u> 41-207	<u>85</u> 586	<u>125</u> 861	<u>150</u> 1030	-		
			40	<u>6-30</u> 41-207	<u>125</u> 861	_	_	_		
			276	7 <u>-31</u> 48-214	<u>155</u> 1070	_	-	-		
			18	3-15 21-103	-	<u>100</u> 689	<u>145</u> 1000	-		
		<u>3/4"</u> 19mm	<u>18</u> 120	<u>5-12.5</u> 34-86	<u>175</u> 1210	-	-	-		
<u>1.5"</u> 40mm	11			<u>6-30</u> 41-207	_	<u>200</u> 1380	290 2000	_		
				<u>10.5-18.5</u> 72-127	<u>415</u> 2860	-	-	_		
			<u>40</u> 276	<u>13.5-25</u> 93-172	<u>530</u> 3650	_	_	_		
	11	<u>1"</u> 25mm	-	<u>18</u> 120	<u>3-15</u> 21-103	<u>35</u> 241	<u>50</u> 345	70 482	-	
							<u>7-19.5</u> [*] 48-134 [*]	<u>140</u> 965	_	_
<u>2"</u> 50mm			<u>35</u> 240	<u>6-30</u> 41-207	-	<u>105</u> 720	<u>130</u> 896	_		
			40 276	9-30 62-207	<u>190</u> 1310	-	-	_		
			18 120	3-15 21-103	60 413	<u>80</u> 551	<u>115</u> 792	_		
0.1				<u>6-30</u> 41-207	-	<u>160</u> 1100	230 1580	_		
<u>2"</u> 50mm	13	<u>1"</u> 25mm	<u>35</u> 240	<u>9-22</u> *	<u>290</u> 2000	_	_	_		
			<u>40</u> 276	62-152 [*]	300	_	_	_		
			276 <u>18</u> 120	76-193 <u>3-15</u> 21-103	2070 20 138	<u>30</u> 207	45 310	_		
				<u>7-19.5</u> *	85 586	_	-	_		
<u>2.5"</u> 65mm	11	<u>1"</u> 25mm	<u>35</u> 240	48-134 6-30 41.007		70	85			
			40	41-207 9-30	115	482	586	_		
			276 18 120	62-207 3-15 21-103	792 35 241	<u>50</u>	75			
			120	<u>6-30</u> 41-207	241	345 <u>100</u> 689	517 <u>150</u> 1030			
<u>2.5"</u> 65mm	13	<u>1"</u> 25mm	<u>35</u> 240	<u>9-22</u> *	185	-	- 1030	_		
			40	62-152 [*] <u>11-28</u>	1270 210					
			276	76-193	1450	-	-	-		

* These are 3–15 psi (21–103 kPa) springs except the setting has been changed to increase the maximum pressure differential.

Spring-Type Actuator

			Air	Actuator		Model 1601		Model 1901
Valve	Actuator	Travel	Supply	Spring Range	Mixing	Dive	rting	Diverting
Size	Size	nuver	<u>psi</u> kPa	<u>psi</u> kPa	Throttling or On-Off	Throttling	On-Off	Throttling or On-Off
			18	3-15 21-103	3 21	<u>10</u> 69	<u>14</u> 96	<u>8</u> 55
			<u>18</u> 120	<u>3-9</u> 21-62	<u>10</u> 69	_	_	<u>18</u> 124
<u>c</u> "		2"		<u>3-15</u> 21-103	<u>10</u> 69	_	_	<u>18</u> 124
<u>6"</u> 150mm	15	<u>2"</u> 50mm	<u>35</u> 240	<u>3-9</u> 21-62	-	_	_	<u>18</u> 124
				<u>6-30</u> 41-207	-	<u>20</u> 138	<u>30</u> 207	-
			40 276	<u>6-30</u> 41-207	<u>30</u> 207	_	_	45 310
				<u>3-15</u> 21-103	-	<u>15</u> 103	<u>25</u> 172	-
			<u>18</u> 120	<u>3.5-9.5</u> 24-65	_	_	_	<u>35</u> 241
<u>6"</u> 150mm	18S	<u>2.5"</u> 64mm	25	<u>6-30</u> 41-207	-	<u>30</u> 207	<u>50</u> 345	-
			<u>35</u> 240	<u>6.5-26</u> 48-179	40 276	_	-	<u>75</u> 517
			<u>40</u> 276	<u>9-29</u> 62-200	<u>55</u> 379	_	_	<u>100</u> 689
	185	<u>2.5"</u> 64mm	18 120 35 240	<u>3-15</u> 21-103	4 28	Z 48	<u>10</u> 69	Z 48
				3-9 21-62	<u>6</u> 41	-	-	12 83
				<u>3.5-9.5</u> 24-65	<u>8</u> 55	_	_	<u>15</u> 103
<u>8"</u> 200mm				<u>4-16</u> * 28-110*	<u>10</u> 69	_	_	<u>18</u> 124
2000				6-30 41-207	-	<u>15</u> 103	<u>20</u> 138	-
			<u>40</u> 276	6-30 41-207	<u>19</u> 131	-	-	<u>30</u> 207
				7-31.5 48-217	22 152	_	_	35 241
			<u>18</u> 120	<u>4-13</u> 28-90	<u>10</u> 69	_	_	<u>12</u> 83
<u>8"</u> 200mm	18	<u>2.5"</u> 64mm	<u>35</u> 240	<u>9-24.5</u> 62-169	<u>30</u> 207	_	_	<u>30</u> 207
			40 276	<u>10.5-26</u> 72-179	<u>38</u> 262	_	_	<u>40</u> 276
			<u>18</u> 120	<u>3-15</u> 21-103	-	<u>6</u> 41	<u>8</u> 55	-
10"		2.5"	35	4.5-17* 31-117*	<u>6</u> 41	_	-	12 83
250mm	18S	64mm	240	<u>6-30</u> 41-207	5 34	<u>15</u> 103	<u>20</u> 138	<u>8</u> 55
			40 276	7-31 48-214	<u>13</u> 90	_	_	<u>23</u> 158
			<u>18</u> 120	<u>4.5-12</u> 31-83	6 41	-	-	12 83
<u>10"</u> 250mm	18L	<u>2.5"</u> 64mm	<u>35</u> 240	<u>9-20.5</u> 62-141	<u>18</u> 124	-	-	<u>32</u> 220
			<u>40</u> 276	<u>10-26</u> 69-179	<u>21</u> 834	-	-	<u>36</u> 248
12"		3.5"	<u>35</u> 240	5.5-18.5* 38-127*	5 34	_	_	<u>9</u> 62
300mm	18L	89mm	40 276	<u>8-29</u> 55-200	<u>10</u> 69	_	-	<u>16</u> 110

* These are 3–15 psi (21–103 kPa) springs except the setting has been changed to increase the maximum pressure differential.

Flanged Ends

								_	
Valve		Α		В					
Size	Iron 125 Steel 150	Iron 250 Steel 300	Steel 600	Plain Bonnet	Extension Column	Radiation Fin	Bellows Seal	С	
<u>1"</u>	<u>7.25</u>	<u>7.75</u>	<u>8.25</u>	<u>20.38</u>	<u>26.38</u>	<u>26.38</u>	<u>26.38</u>	<u>10.56</u>	
25mm	184	197	210	518	670	670	670	268	
<u>1.25"</u>	<u>7.88</u>	8.38	<u>9.0</u>	<u>21.0</u>	<u>25.63</u>	<u>25.63</u>	<u>29.38</u>	<u>10.56</u>	
32mm	200	213	229	533	651	651	746	268	
<u>1.5"</u>	<u>8.75</u>	<u>9.25</u>	<u>9.88</u>	<u>21.44</u>	<u>26.13</u>	26.13	<u>29.75</u>	<u>10.56</u>	
40mm	222	235	251	545	664	664	756	268	
<u>2"</u>	<u>10.0</u>	<u>10.5</u>	<u>11.25</u>	<u>23.31</u>	<u>31.38</u>	<u>28.38</u>	<u>31.38</u>	<u>12.81</u>	
50mm	254	267	286	592	797	721	797	325	
<u>2.5"</u>	<u>10.88</u>	<u>11.5</u>	<u>12.25</u>	<u>23.75</u>	<u>31.88</u>	<u>28.88</u>	<u>31.75</u>	<u>12.81</u>	
65mm	276	292	311	603	810	734	806	325	
<u>3"</u>	<u>11.75</u>	<u>12.5</u>	<u>13.25</u>	<u>28.25</u>	<u>32.5</u>	<u>32.5</u>	<u>40.0</u>	<u>15.0</u>	
80mm	298	318	337	718	826	826	1016	381	
<u>4"</u>	<u>13.88</u>	<u>14.5</u>	<u>15.5</u>	<u>29.25</u>	<u>33.25</u>	<u>33.25</u>	<u>41.5</u>	<u>15.0</u>	
100mm	353	368	394	743	845	845	1054	381	
<u>6"</u>	<u>17.75</u>	<u>18.63</u>	<u>20.0</u>	<u>38.25</u>	<u>44.0</u>	<u>44.0</u>	<u>60.75</u>	<u>17.5</u>	
150mm	451	473	508	972	1118	1118	1543	445	
<u>8"</u>	<u>21.38</u>	22.38	<u>24.0</u>	<u>45.25</u>	<u>50.75</u>	<u>50.75</u>	-	<u>20.5</u>	
200mm	543	568	610	1149	1289	1289		521	
<u>10"</u>	<u>22.0</u>	<u>23.0</u>	<u>31.0</u>	<u>46.5</u>	<u>51.25</u>	<u>51.25</u>	-	<u>20.5</u>	
250mm	559	584	787	1181	1302	1302		521	

Note: Dimensions shown are with size 9 actuator for 1,1.25 and 1.5" (25, 32 and 40mm) valves; size 11 actuator for 2 and 2.5" (50 and 65mm) valves; size 13 for 3 and 4" (80 and 100mm) valves; size 15 for 6" (150mm) valves; and size 18S for 8 and 10" (200 and 250mm) valves.

Valve		D		E				
Size	Iron 125 Steel 150	Iron 250 Steel 300	Steel 600	Plain Bonnet	Extension Column	Radiation Fin	Bellows Seal	
<u>1"</u>	<u>4.88</u>	<u>5.13</u>	<u>5.38</u>	<u>4.19</u>	<u>10.19</u>	<u>10.19</u>	<u>10.19</u>	
25mm	124	130	137	106	259	259	259	
<u>1.25"</u>	<u>5.25</u>	<u>5.5</u>	<u>5.81</u>	<u>4.88</u>	<u>9.5</u>	<u>9.5</u>	<u>13.13</u>	
32mm	133	140	148	124	241	241	334	
<u>1.5"</u>	<u>5.88</u>	<u>6.13</u>	<u>6.44</u>	<u>5.31</u>	<u>9.88</u>	<u>9.88</u>	<u>13.5</u>	
40mm	149	156	164	135	251	251	343	
<u>2"</u>	<u>6.75</u>	<u>7.0</u>	<u>7.44</u>	<u>5.81</u>	<u>13.88</u>	<u>10.88</u>	<u>13.75</u>	
50mm	171	178	189	148	353	276	349	
<u>2.5"</u>	<u>7.25</u>	<u>7.56</u>	<u>7.94</u>	<u>6.25</u>	<u>14.38</u>	<u>11.38</u>	<u>14.25</u>	
65mm	184	192	202	159	365	289	362	
<u>3"</u>	<u>7.56</u>	<u>7.94</u>	<u>8.94</u>	<u>8.13</u>	<u>12.38</u>	<u>12.38</u>	<u>19.88</u>	
80mm	192	202	227	207	314	314	505	
<u>4"</u>	<u>9.38</u>	<u>9.69</u>	<u>10.19</u>	<u>9.13</u>	<u>13.13</u>	<u>13.13</u>	<u>21.38</u>	
100mm	238	246	259	232	334	334	543	
<u>6"</u>	<u>11.56</u>	<u>12.0</u>	<u>12.69</u>	<u>12.88</u>	<u>18.63</u>	<u>18.63</u>	<u>35.38</u>	
150mm	294	305	322	327	473	473	899	
<u>8"</u>	<u>14.13</u>	<u>14.63</u>	<u>15.44</u>	<u>16.38</u>	<u>21.88</u>	<u>21.88</u>	_	
200mm	359	372	392	416	556	556		
<u>10"</u> 250mm	<u>17.13</u> 435	<u>17.81</u> 452	<u>19.69</u> 500	-	-	-	-	

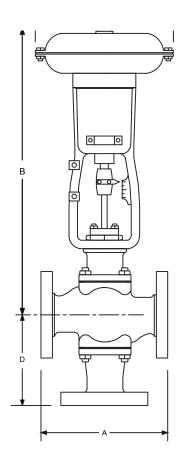
<u>Inch</u> Millimeter

DIMENSIONS

Threaded Ends

Valve Size	A	В					D	E				
	Iron 250 Steel 600	Plain Bonnet	Extension Column	Radiation Fin	Bellows Seal		Iron 250 Steel 600	Plain Bonnet	Extension Column	Radiation Fin	Bellows Seal	
<u>1"</u>	<u>6.0</u>	20.38	<u>26.38</u>	<u>26.38</u>	26.38	10.56	<u>4.25</u>	<u>4.19</u>	<u>10.19</u>	<u>10.19</u>	<u>10.19</u>	
25mm	152	518	670	670	670	268	108	106	259	259	259	
<u>1.25"</u>	<u>6.0</u>	<u>21.0</u>	<u>25.63</u>	<u>25.63</u>	<u>29.38</u>	10.56	<u>4.38</u>	<u>4.88</u>	<u>9.5</u>	<u>9.5</u>	<u>13.13</u>	
32mm	152	533	651	651	746	268	111	124	241	241	334	
<u>1.5"</u>	<u>7.5</u>	<u>21.44</u>	26.13	<u>26.13</u>	<u>29.75</u>	<u>10.56</u>	<u>5.25</u>	<u>5.31</u>	<u>9.88</u>	<u>9.88</u>	<u>13.5</u>	
40mm	191	545	664	664	756	268	133	135	251	251	343	
<u>2"</u>	<u>9.0</u>	<u>23.31</u>	<u>31.38</u>	28.38	<u>31.38</u>	<u>12.81</u>	<u>5.75</u>	<u>5.81</u>	<u>13.88</u>	<u>10.88</u>	<u>13.75</u>	
50mm	229	592	797	721	797	325	146	148	353	276	349	

Inch Millimeter



APPROXIMATE SHIPPING WEIGHT

Valve		25mm	<u>1.25"</u>	<u>1.5"</u>	<u>2"</u>	<u>2.5"</u>	<u>3"</u>	<u>4"</u>	<u>6"</u>	<u>8"</u>	<u>10"</u>	<u>12"</u>
Size			32mm	40mm	50mm	65mm	80mm	100mm	150mm	200mm	250mm	300mm
Weight	<u>lbs</u>	<u>110</u>	<u>120</u>	<u>145</u>	<u>195</u>	<u>250</u>	<u>330</u>	<u>390</u>	<u>740</u>	<u>1000</u>	<u>1375</u>	<u>1710</u>
	kg	50	54	66	88	113	149	177	335	453	623	775

NOTES:

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 does not guarantee resistance to corrosion, erosion, abrasion or other sources of failure, nor does 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.

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Sales and Service

Allagash International Group, LLC representatives are located in major cities throughout the world. For the name of the representative nearest you, email us: sales@allagashinternational.com

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