# Pneumatically Actuated 3-Way Brass Ball Valves - 'T / L' Port

#### Features:

3-Way Brass Ball Valve

- reduced port
- blow-out proof stem
- · brass body and chrome-plated brass ball
- PTFE seats with O-ring backing for low operating torque
- PTFE seats and double O-ring stem packing
- ISO 5211 mounting pad100% tested
- pressure rating: 400 PSI WOG 100 PSI WSP
- maximum temperature: 300°F (149°C)
- Rack and Pinion Actuator
- · hard anodized aluminum body
- nickel plated anti-blowout pinion
- Buna-N O-rings
- NAMUR mounting
- bi-directional stops for ±5° travel adjustment
- 80 PSI plant air required
- visual position indication
- maximum operating pressure: **120 PSI**
- temperature range: -40°F to 200°F (-40°C to 93C)
- tested to one million cycles
- A flow path needs to be selected at time of order. If no flow path is selected, the option number labeled as default will be shipped.
- Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.
- · for spring return actuators must note fail position

## Spring Return (normally closed)

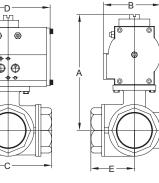
All dimensions are given in inches, unless noted. Dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice. T = t-style \* L = t-style

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	Di	imensio	ns		Brass						
A	В	С	D	E	Part #	Price/E					
" 4.72"	2.80"	2.64"	5.49"	1.32"	BV3BV*R-0251BBC	\$810.90	떠				
" 4.72"	2.80"	2.64"	5.49"	1.32"	BV3BV*R-0381BBC	810.90			Á		
" 4.72"	2.80"	2.87"	5.49"	1.44"	BV3BV*R-0501BBC	810.90	<u> </u>	┫╧╧╧╋			
" 4.81"	2.80"	3.19"	5.49"	1.60"	BV3BV*R-0751BBC	858.61					
6.28	3.74"	3.74"	7.45"	1.87"	BV3BV*R-1001BBC	1002.50					
í" 6.50"	3.74"	4.39"	7.45"	2.20"	BV3BV*R-1251BBC	1078.21			! } ∦{(		
2" 6.99"	3.74"	4.86"	7.45	2.43"	BV3BV*R-1501BBC	1539.81					
8.45"	4.69"	5.73"	9.10"	2.87"	BV3BV*R-2001BBC	2160.75					
2" 8.90"	4.69"	6.93"	9.10"	3.47"	BV3BV*R-2501BBC	3332.62			I <del>⊲</del> —E−		
8.90"	4.69"	7.08"	9.10"	3.54"	BV3BV*R-3001BBC	3251.56					
	A A A A A A A A A A A A A A	A   B     "   4.72"   2.80"     "   4.72"   2.80"     "   4.72"   2.80"     "   4.72"   2.80"     "   4.72"   2.80"     "   4.72"   2.80"     "   4.72"   2.80"     "   4.72"   2.80"     "   6.28"   3.74"     "   6.50"   3.74"     "   6.99"   3.74"     "   8.45"   4.69"     2"   8.90"   3.69"	Dimensio     A   B   C     "   4.72"   2.80"   2.64"     "   4.72"   2.80"   2.64"     "   4.72"   2.80"   2.64"     "   4.72"   2.80"   2.64"     "   4.72"   2.80"   2.64"     "   4.72"   2.80"   2.64"     "   4.72"   2.80"   2.87"     "   4.81"   2.80"   3.19"     6.28"   3.74"   3.74"     4"   6.50"   3.74"   4.39"     2"   6.99"   3.74"   4.86"     8.45"   4.69"   5.73"     2"   8.90"   4.69"   6.93"	Dimensions     A   B   C   D     "   4.72"   2.80"   2.64"   5.49"     "   4.72"   2.80"   2.64"   5.49"     "   4.72"   2.80"   2.64"   5.49"     "   4.72"   2.80"   2.64"   5.49"     "   4.72"   2.80"   2.87"   5.49"     "   4.81"   2.80"   3.19"   5.49"     "   6.28"   3.74"   3.74"   7.45"     4"   6.50"   3.74"   4.39"   7.45"     4"   6.99"   3.74"   4.86"   7.45"     2"   6.99"   3.74"   4.86"   7.45"     2"   8.45"   4.69"   5.73"   9.10"     2"   8.90"   4.69"   6.93"   9.10"	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	A   B   C   D   E   Part #     "   4.72"   2.80"   2.64"   5.49"   1.32"   BV3BV*R-0251BBC     "   4.72"   2.80"   2.64"   5.49"   1.32"   BV3BV*R-0251BBC     "   4.72"   2.80"   2.64"   5.49"   1.32"   BV3BV*R-0501BBC     "   4.72"   2.80"   2.87"   5.49"   1.44"   BV3BV*R-0501BBC     "   4.81"   2.80"   3.19"   5.49"   1.60"   BV3BV*R-0751BBC     "   4.81"   2.80"   3.19"   5.49"   1.60"   BV3BV*R-1001BBC     "   6.28"   3.74"   3.74"   7.45"   1.87"   BV3BV*R-1001BBC     "   6.50"   3.74"   4.39"   7.45"   2.20"   BV3BV*R-1251BBC     "   6.99"   3.74"   4.86"   7.45"   2.43"   BV3BV*R-1201BBC     "   8.45"   4.69"   5.73"   9.10"   2.87"   BV3BV*R-2001BBC     "   8.90"<	Dimensions   Brass     A   B   C   D   E   Part #   Price/E     "   4.72"   2.80"   2.64"   5.49"   1.32"   BV3BV*R-0251BBC   \$810.90     "   4.72"   2.80"   2.64"   5.49"   1.32"   BV3BV*R-0381BBC   \$10.90     "   4.72"   2.80"   2.64"   5.49"   1.32"   BV3BV*R-0381BBC   \$10.90     "   4.72"   2.80"   2.87"   5.49"   1.60"   BV3BV*R-0501BBC   \$10.90     "   4.81"   2.80"   3.19"   5.49"   1.60"   BV3BV*R-0501BBC   \$10.90     "   4.81"   2.80"   3.19"   5.49"   1.60"   BV3BV*R-0751BBC   \$858.61     '   6.28"   3.74"   3.74"   7.45"   1.87"   BV3BV*R-1001BBC   1002.50     '   6.50"   3.74"   4.39"   7.45"   2.20"   BV3BV*R-1251BBC   1078.21     '   6.99"   3.74"   4.86"   7.45"	Dimensions Brass   A B C D E Part # Price/E   " 4.72" 2.80" 2.64" 5.49" 1.32" BV3BV*R-0251BBC \$810.90   " 4.72" 2.80" 2.64" 5.49" 1.32" BV3BV*R-0251BBC \$810.90   " 4.72" 2.80" 2.64" 5.49" 1.32" BV3BV*R-0381BBC \$10.90   " 4.72" 2.80" 2.87" 5.49" 1.44" BV3BV*R-0501BBC \$10.90   " 4.81" 2.80" 3.19" 5.49" 1.60" BV3BV*R-0501BBC \$10.90   " 4.81" 2.80" 3.19" 5.49" 1.60" BV3BV*R-0501BBC \$810.90   " 4.81" 2.80" 3.19" 5.49" 1.60" BV3BV*R-0501BBC \$810.90   " 6.28" 3.74" 3.74" 7.45" 1.87" BV3BV*R-1001BBC 1002.50   4" 6.50" 3.74" 4.39" 7.45" 2.20" BV3BV*R-1251BBC 1078.21   2" 6.99" 3.74" <td>Dimensions Brass   ie A B C D E Part # Price/E   " 4.72" 2.80" 2.64" 5.49" 1.32" BV3BV*R-0251BBC \$810.90   " 4.72" 2.80" 2.64" 5.49" 1.32" BV3BV*R-0381BBC \$810.90   " 4.72" 2.80" 2.64" 5.49" 1.32" BV3BV*R-0501BBC \$810.90   " 4.72" 2.80" 2.87" 5.49" 1.44" BV3BV*R-0501BBC \$810.90   " 4.81" 2.80" 3.19" 5.49" 1.60" BV3BV*R-0501BBC \$810.90   " 4.81" 2.80" 3.19" 5.49" 1.60" BV3BV*R-0501BBC \$810.90   " 6.28" 3.74" 3.74" 7.45" 1.87" BV3BV*R-1001BBC 1002.50   " 6.50" 3.74" 4.86" 7.45" 2.43" BV3BV*R-1501BBC 1539.81   " 8.45" 4.69" 5.73" 9.10" 2.87" BV3BV*R-2501BBC 3332.62   "<!--</td--></td>	Dimensions Brass   ie A B C D E Part # Price/E   " 4.72" 2.80" 2.64" 5.49" 1.32" BV3BV*R-0251BBC \$810.90   " 4.72" 2.80" 2.64" 5.49" 1.32" BV3BV*R-0381BBC \$810.90   " 4.72" 2.80" 2.64" 5.49" 1.32" BV3BV*R-0501BBC \$810.90   " 4.72" 2.80" 2.87" 5.49" 1.44" BV3BV*R-0501BBC \$810.90   " 4.81" 2.80" 3.19" 5.49" 1.60" BV3BV*R-0501BBC \$810.90   " 4.81" 2.80" 3.19" 5.49" 1.60" BV3BV*R-0501BBC \$810.90   " 6.28" 3.74" 3.74" 7.45" 1.87" BV3BV*R-1001BBC 1002.50   " 6.50" 3.74" 4.86" 7.45" 2.43" BV3BV*R-1501BBC 1539.81   " 8.45" 4.69" 5.73" 9.10" 2.87" BV3BV*R-2501BBC 3332.62   " </td		

### **Double Acting**

without	Dimensions	Bra					
	notice.	subject to change	* <i>T</i> = t-style * <i>L</i> = l-style				
availab	able upon request. Specifications are subject to change * T						
Dimens	sions are approximate. Engineering dimensions are						

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		Brass		ns	mensio	Di		Size
	Price/E	Part #	E	D	С	В	A	SIZE
	\$620.43	BV3BV*R-0251BCC	1.32"	4.33"	2.64"	1.77"	3.76"	1⁄4"
	620.43	BV3BV*R-0381BCC	1.32"	4.33"	2.64"	1.77"	3.76"	3/8"
	633.06	BV3BV*R-0501BCC	1.44"	4.33"	2.87"	1.77"	3.76"	1⁄2"
	649.11	BV3BV*R-0751BCC	1.60"	4.33"	3.19"	1.77"	3.85"	3/4"
	824.75	BV3BV*R-1001BCC	1.87"	5.32"	3.74"	3.20"	5.53"	1"
	995.40	BV3BV*R-1251BCC	2.20"	5.32"	4.39"	3.20"	5.75"	1¼"
	1315.61	BV3BV*R-1501BCC	2.43"	5.32"	4.86"	3.20"	6.24"	1½"
	1856.75	BV3BV*R-2001BCC	2.87"	5.51"	5.73"	3.74"	7.55"	2"
	2972.35	BV3BV*R-2501BCC	3.47"	5.51"	6.93"	3.74"	8.00"	21⁄2"
	2902.53	BV3BV*R-3001BCC	3.54"	5.51"	7.08"	3.74"	8.00"	3"





A wide variety of switches, solenoids, positioners, etc., are available. Contact Dixon<sup>®</sup> at 800.789.1718 or visit dixonvalve.com for details.

## Caution !

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.

For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic affect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon<sup>®</sup> when dealing with these types of applications.



