

# Manual 3-Way Ball Valve Selection Guide

Series	Flow Pattern Designator	Max. Working Pressure	Working Temp.	Inlet Connection Type	Handle Rotation Angle at Flow Direction Switching	Valve Status When Handle Is at Midrange Position	Flow Pattern Diagram
BF	3	6000 psig (414 bar)	0 °F to 450 °F (-18 °C to 232 °C)	1/4 Female NPT	180°	Closed	<p>Ports 2 &amp; 3 open      Off      Ports 1 &amp; 3 open</p>
BFH	3	10000 psig (690 bar)	0 °F to 450 °F (-18 °C to 232 °C)	1/4 Female NPT	180°	Closed	<p>Ports 2 &amp; 3 open      Off      Ports 1 &amp; 3 open</p>
BO	3L	2500 psig (172 bar)	-65 °F to 300 °F (-54 °C to 148 °C)	Optional	180°	Closed	<p>Ports 1 &amp; 3 open      Off      Ports 1 &amp; 2 open</p>
	3HL	2500 psig (172 bar)	-65 °F to 300 °F (-54 °C to 148 °C)	Optional	180°	Open	<p>Ports 1 &amp; 3 open      Ports 1, 2 &amp; 3 open      Ports 1 &amp; 2 open</p>
BH	3	1000 psig (69 bar)	-20 °F to 450 °F (-28 °C to 232 °C)	Optional	180°	Without reliable closing function	<p>Ports 1 &amp; 2 open      Ports 1 &amp; 3 open</p>
BP	3	6000 psig (414 bar)	-40 °F to 450 °F (-40 °C to 232 °C)	Optional	180°	Without reliable closing function	<p>Ports 1 &amp; 2 open      Ports 1 &amp; 3 open</p>
	3S	6000 psig (414 bar)	-40 °F to 450 °F (-40 °C to 232 °C)	Optional	90°	/	<p>Ports 1 &amp; 2 open      Ports 1 &amp; 3 open</p>
BV	3	6000 psig (414 bar)	-65 °F to 450 °F (-54 °C to 232 °C)	Optional	180°	Without reliable closing function	<p>Ports 1 &amp; 2 open      Ports 1 &amp; 3 open</p>