

## More Than Just Pressure Gauges and Thermometers

Winters valves allow for the isolation of process instrumentation facilitating quick replacement without shutting down the process. These valves are available in carbon steel or stainless steel (NACE or non-NACE) for high pressure applications (up to 10,000 psi), brass or lead free brass for low pressure (up to 400 psi) applications.



### NVA Needle Valve (Straight Body, Hard Seat)

The one-piece body construction provides strength and safety while the slow opening handle prevents sudden pressure surge. The hard seat provides durability against high flow/velocity and corrosive media.

<b>Body</b>	Carbon steel, carbon steel NACE tip, stainless steel or stainless steel NACE
<b>Connections</b>	1/4", 3/8", 1/2", 3/4" or 1" NPTM x NPTF or NPTF x NPTF
<b>Pressure</b>	6,000 psi (41,368 kPa) or 10,000 psi (68,947 kPa)
<b>Needle/Needle Tip</b>	Stainless steel or stainless steel NACE
<b>Gland Packing</b>	PTFE/Graphite (Graphite used for high temperature applications)
<b>Approvals</b>	CRN registered, burst pressure safety tested at 4 times valve rating



### NVA Needle Valve (Angle Body, Hard Seat)

The one-piece body construction provides strength and safety while the slow opening handle prevents sudden pressure surge. The hard seat provides durability against high flow/velocity and corrosive media.

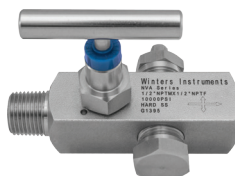
<b>Body</b>	Stainless steel or stainless steel NACE
<b>Connections</b>	1/4", 3/8", 1/2", 3/4" or 1" NPTM x NPTF or NPTF x NPTF
<b>Pressure</b>	6,000 psi (41,368 kPa) or 10,000 psi (68,947 kPa)
<b>Needle/Needle Tip</b>	Stainless steel or stainless steel NACE
<b>Gland Packing</b>	PTFE/Graphite (Graphite used for high temperature applications)
<b>Approvals</b>	CRN registered, burst pressure safety tested at 4 times valve rating



### NVA Needle Valve (Straight Body, Soft Seat)

The one-piece body construction provides strength and safety while the slow opening handle prevents sudden pressure surge. The soft seat provides a tight seal against non-corrosive media.

<b>Body</b>	Carbon steel or stainless steel
<b>Connections</b>	1/4", 3/8", 1/2", 3/4" or 1" NPTM x NPTF or NPTF x NPTF
<b>Pressure</b>	6,000 psi (41,368 kPa)
<b>Needle/Needle Tip</b>	Stainless steel
<b>Stem O-ring</b>	FKM
<b>Approvals</b>	CRN registered, burst pressure safety tested at 4 times valve rating



### NVA Needle Valve (Multiport)

The multiport design allows for up to 3 instrument connections, reducing the number of connections to permanent piping installations, decreasing possible leak paths. **Bleed screw and plugs not included.**

<b>Body</b>	Carbon steel, stainless steel or stainless steel NACE
<b>Connections</b>	1/2" or 3/4" NPTM x NPTF
<b>Pressure</b>	6,000 psi (41,368 kPa) (soft seat) or 10,000 psi (68,947 kPa) (hard seat)
<b>Needle/Needle Tip</b>	Stainless steel or stainless steel NACE
<b>Stem O-ring</b>	FKM
<b>Approvals</b>	CRN registered, burst pressure safety tested at 4 times valve rating



### BBV Block & Bleed Valve Single Handle

The block & bleed design allows media to be bled off without disturbing the permanent piping installation, allowing safe and easy removal or replacement of instruments.

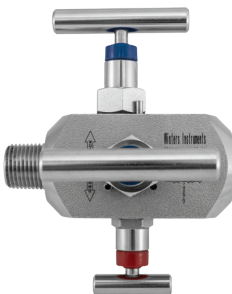
<b>Body</b>	Carbon steel or stainless steel
<b>Connections</b>	1/4" or 1/2" NPTM x NPTF or NPTF x NPTF
<b>Pressure</b>	6,000 psi (41,368 kPa) (soft seat) or 10,000 psi (68,947 kPa) (hard seat)
<b>Needle/Needle Tip</b>	Stainless steel
<b>Stem O-ring</b>	FKM
<b>Approvals</b>	CRN registered, burst pressure safety tested at 4 times valve rating



### BBV Block & Bleed Valve Two Handles

The two handle block & bleed valve allows controlled media bleed off without disturbing the permanent piping installation, allowing safe and easy removal or replacement of instruments.

<b>Body</b>	Carbon steel, stainless steel or stainless steel NACE
<b>Connections</b>	1/4", 1/2" or 3/4" NPTM x NPTF or NPTF x NPTF
<b>Pressure</b>	6,000 psi (41,368 kPa) (soft seat) or 10,000 psi (68,947 kPa) (hard seat)
<b>Needle/Needle Tip</b>	Stainless steel or stainless steel NACE
<b>Stem O-rings</b>	FKM
<b>Approvals</b>	CRN registered, burst pressure safety tested at 4 times valve rating



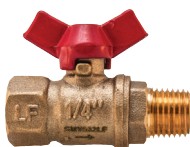
### BBV Double Block & Bleed Valve

The Double Block & Bleed Valve offers redundant closure for critical applications and controlled media bleed off, enabling instruments to be removed without disturbing the permanent piping installation.

<b>Body</b>	Stainless steel or stainless steel NACE
<b>Connections</b>	1/4", 1/2" or 3/4" NPTM x NPTF or NPTF x NPTF
<b>Pressure</b>	10,000 psi (68,947 kPa)
<b>Needle/Needle Tip</b>	Stainless steel or stainless steel NACE
<b>Stem O-rings</b>	FKM
<b>Approvals</b>	CRN registered, burst pressure safety tested at 4 times valve rating

### SMV/SMV-LF Mini Ball Valve\*/Lead Free Mini Ball Valve\*

An economical isolation ball valve for pressure gauges and transmitters. The ball valves provide flow control for any non-corrosive applications. A lead free version is available for use on potable water.




<b>Body</b>	#59-1 forged brass or lead free forged brass
<b>Connections</b>	1/4" NPTM x NPTF or NPTF x NPTF
<b>Pressure</b>	400 psi (2,758 kPa)
<b>Gaskets</b>	PTFE
<b>Ball</b>	Stainless steel
<b>Approvals</b>	CRN registered, burst pressure safety tested at 4 times valve rating

### SNV/SNV-LF Needle Valve\*/Lead Free Needle Valve\*

An economical isolation needle valve for pressure gauges and transmitters. Provides precision flow control for any non-corrosive applications. A lead free version is available for use on potable water.



<b>Body</b>	#59-1 forged brass or lead free forged brass
<b>Connections</b>	1/4" NPTF x NPTF
<b>Pressure</b>	400 psi (2,758 kPa)
<b>O-ring</b>	Rubber
<b>Shaft</b>	#59-1 brass or lead free brass
<b>Approvals</b>	CRN registered, burst pressure safety tested at 4 times valve rating

\*  **WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).