

SELECT SERIES NEEDLE VALVES

Reotemp Select Series Needle Valves provide isolation so that instruments can be serviced or removed without shutting down the process. Built from 316 stainless steel and pressure-tested, they use a metal-to-metal seat with PTFE packing (graphite and high-pressure PTFE packing are optional) to deliver leak-tight shutoff across a broad pressure and temperature range—up to 10,000 psi with the high-pressure PTFE packing option or up to 1,000°F with the graphite packing option. Configurations include hand valves, mini and angled mini valves, block and bleed valves, and multiport gauge valves. Multiport gauge valves can be purchased with optional plugs and bleed valves for quicker installations. Valve connection sizes are 1/4" FNPT, 1/4" MNPT, 1/2" FNPT or 1/2" MNPT, and every size and body configuration comes with dust caps to protect the bonnet and stem.



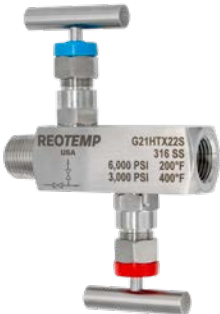
N11



M11



MA1



G21



G11



G41

FEATURES / BENEFITS

- All Valves are Pressure Tested for Optimal Performance
- Standard with PTFE Packing
- Dust Caps for Bonnet & Stem

SPECIFICATIONS

Body Material	316 Stainless Steel	
Pressure/ Temperature Rating	PTFE Packing	6,000psi at 200°F
		3,000psi at 400°F
	Graphite Packing	6,000psi at 200°F
		1,500psi at 1,000°F
	PTFE High Pressure	10,000psi at 120°F
		3,000psi at 400°F
	PTFE Packing Mini Valve	3,000psi at 200°F
Connections Available	1/4" MXF, 1/4"FXF, 1/2" MXF, 1/2"FXF	

VALVES

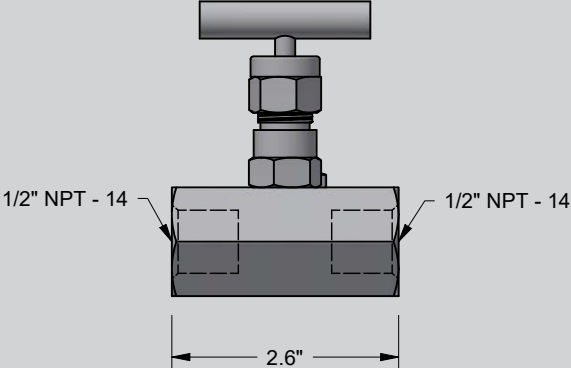
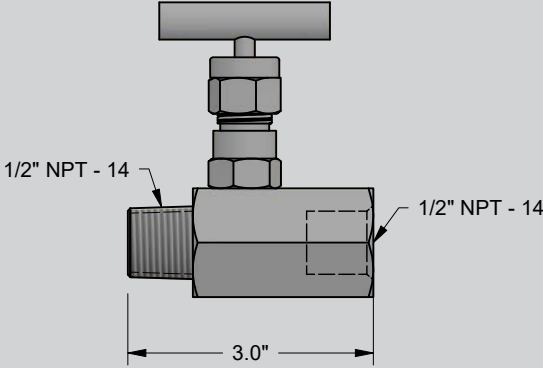
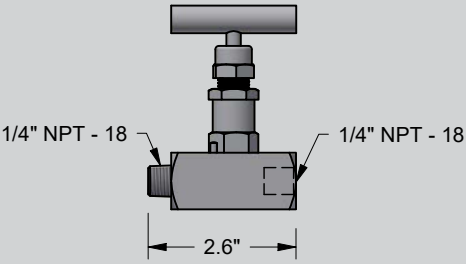
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HOW TO ORDER: Choose options to build a part number. For example: **N11HTX22S-TS**

N11 	H 	T 	X 	22 	S 	-TS
MODEL	SEAT TYPE	BONNET SEALS	SEAT MATERIAL	CONNECTION SIZE	BODY MATERIAL	OPTIONS
N11 = Select Series Hand Valve	H = Hard Seat (Integral)	T = PTFE-Standard	X = Metal to Metal Seat	22 = 1/2" MNPT Inlet x 1/2" FNPT Outlet ¹	S = 316SS	HP = Hex Plug ²
M11 = Select Series Mini Valve		G = Graphite-High Temperature ¹		2F = 1/2" FNPT Inlet x 1/2" FNPT Outlet ¹		BP = Bleeder Plug ²
MA1 = Select Series Angled Mini Valve		H = PTFE-High Pressure ¹		44 = 1/4" MNPT Inlet x 1/4" FNPT Outlet		BV = Bleeder Valve ²
G11 = Select Series Block & Bleed Valve				4F = 1/4" FNPT Inlet x 1/4" FNPT Outlet		TS = Stainless Steel Tag
G21 = Select Series 2-Valve Block & Bleed Valve				32 = 3/4" MNPT Inlet x 1/2" FNPT Outlet ³		² Only Available for G41
G31 = Select Series Double Block & Bleed Valve						
G41 = Select Series Multiport Gauge Valve						

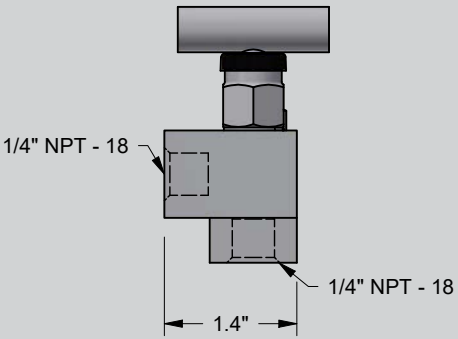
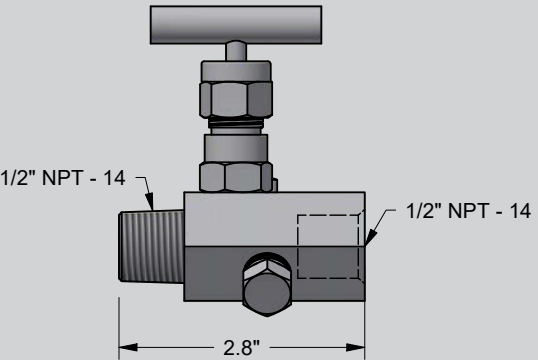
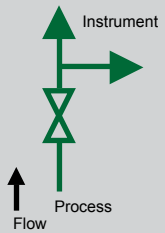
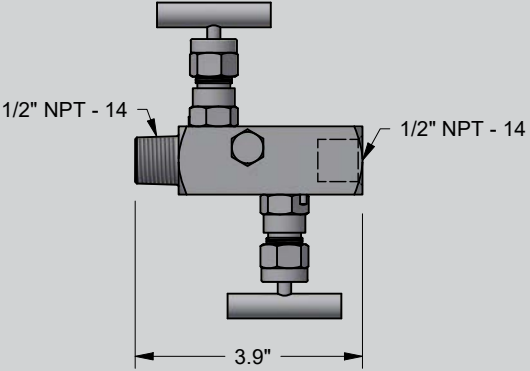
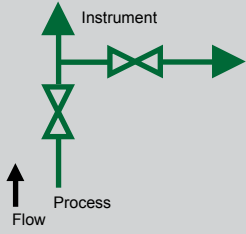
Note: Not all combinations in the above table are possible. Conversely, if a combination is desired but not seen, ask your Reotemp Sales Representative. Additional configurations and options are available upon request.

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Body Configuration	Description		Flow Diagram
	1/2" N11 FXF	Hand valve with simple on/off function	 Unidirectional Flow
	1/2" N11 MXF	Hand valve with simple on/off function	 Unidirectional Flow
	1/4" M11	Miniature valve for compact spaces	 Unidirectional Flow

Note: Dimensions will change slightly for different NPT sizes as well as different packing selections.

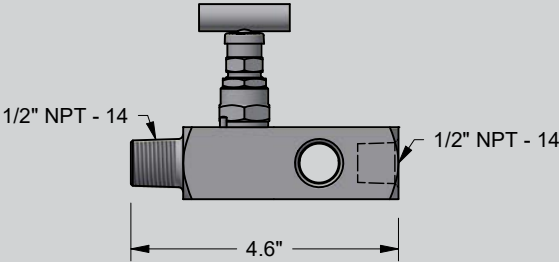
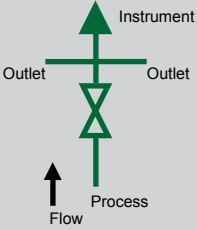
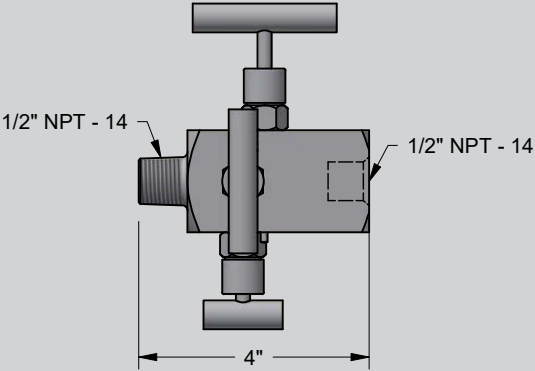
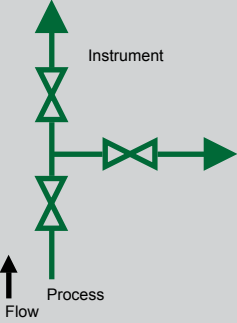
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Body Configuration		Description	Flow Diagram
 1/4" NPT - 18 1.4" 1/4" NPT - 18	1/4" MA1	Angled miniature valve for compact spaces	 Unidirectional Flow
 1/2" NPT - 14 2.8" 1/2" NPT - 14	1/2" G11	Gauge valve with plugged vent	 Instrument Process Flow
 1/2" NPT - 14 3.9" 1/2" NPT - 14	1/2" G21	Block and bleed gauge valve	 Instrument Process Flow

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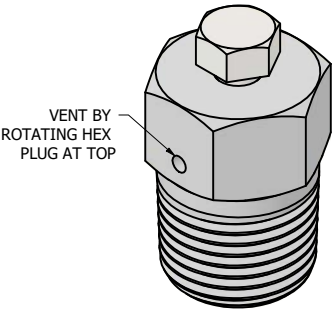
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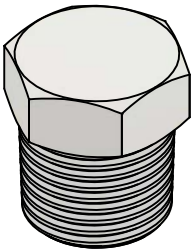
Body Configuration		Description	Flow Diagram
	1/2" G41	Multiport gauge valve	
	1/2" G31	Double block and bleed gauge valve	

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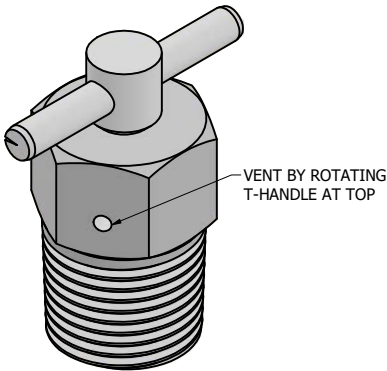
Plug Options



-BP (Bleeder Plug)



-HP (Hex Plug)



-BV (Bleeder Valve)