

LIV NEEDLE VALVE

SERIES 1L0
With 1 isolating valve

Principle

LIV Needle Valve has 1 isolating valve.

Construction

- The valve body is machined from a square or rectangular bar stock material.
- The raw material of the valve can be supplied according to Norsok M 630 or to customer's specific requirements.
- The valve spindle thread is external to stuffing box.
- The valve has back seating and non-rotating valve tip
- The dust cover is coloured blue for application indication (isolate)
- The valves are designed for PED 2014/68/EC.



TYPE
1L000



TYPE
1L020



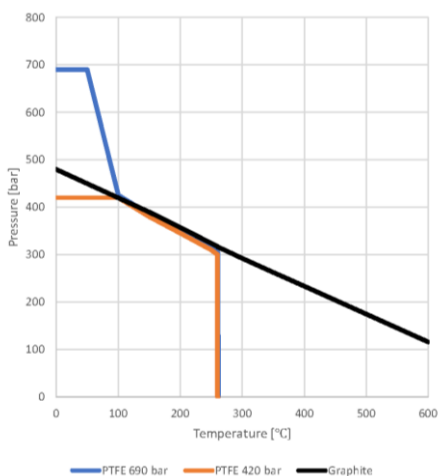
TYPE
1L040


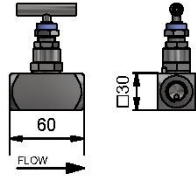
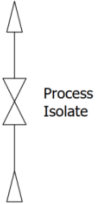

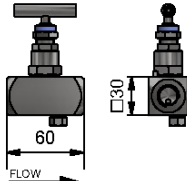
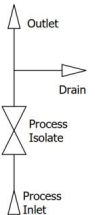

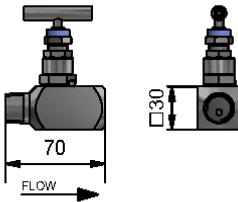
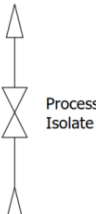

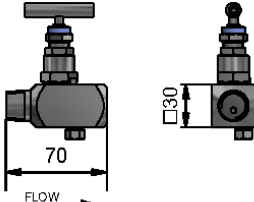
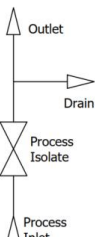

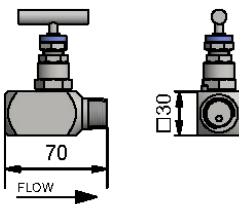
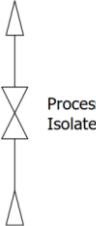
Technical Data


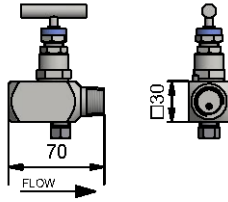
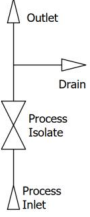

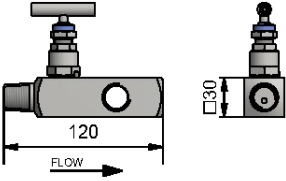
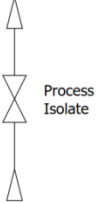
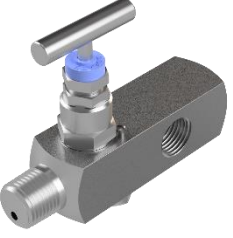
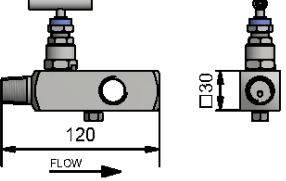
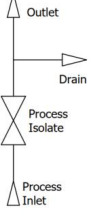

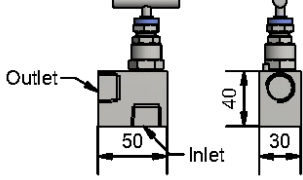
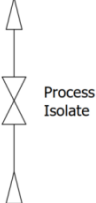

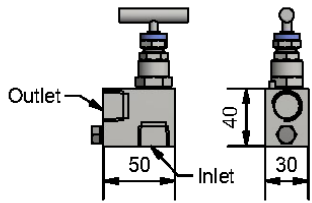
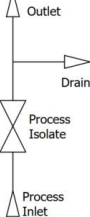
Material	AISI 316 (standard), 22Cr Duplex, 25Cr Duplex, Other materials on request
Size	1/4" - 1/2"
Connection	NPT (standard), BSPP tread int. or ext., Socket Weld
Packing	PTFE, Graphite
Pressure rating	6000 psi (420 bar), 10000 psi (690 bar)
Temperature	÷100 to +260 °C PTFE, ÷50 to +500 °C graphite.
Operation	T-bar, Anti tamper, Anti tamper lockable
Valve tip	Hardened
Types	See next pages

Testing and Documentation

- Material certificate to EN 10204-3.1
- Certificate of compliance to NACE MR 01-75 or EN 15156
- Cleaned for Oxygen and Hydrogen
- Pressure test certificate
- Fire safe certificate to EN 10497-2010



<p>1L000</p>			<p><u>FLOW DIAGRAM</u></p> 
<p>1L001 1/4" NPT int. drain connection</p>			<p><u>FLOW DIAGRAM</u></p> 
<p>1L010 External thread inlet</p>			<p><u>FLOW DIAGRAM</u></p> 
<p>1L011 External thread inlet 1/4" NPT int. drain connection</p>			<p><u>FLOW DIAGRAM</u></p> 
<p>1L020 External thread outlet</p>			<p><u>FLOW DIAGRAM</u></p> 

<p>1L021 External thread outlet 1/4" NPT int. drain connection</p>			<p><u>FLOW DIAGRAM</u></p> 
<p>1L030 External thread inlet</p>			<p><u>FLOW DIAGRAM</u></p> 
<p>1L031 1/4" NPT int. drain connection</p>			<p><u>FLOW DIAGRAM</u></p> 
<p>1L040</p>			<p><u>FLOW DIAGRAM</u></p> 
<p>1L041 1/4" NPT int. drain connection</p>			<p><u>FLOW DIAGRAM</u></p> 

HOW TO ORDER

Choose a code for each of the configuration steps. For special orders, please reach out to our sales team.

1 VALVE TYPE		2 VALVE SIZE		3 VALVE CONNECTION	
1L100	-	1	¼"	A	NPT
1L001	-	2	3/8"	B	BSPP (G)
1L010	-	3	½"	C	Socket weld
1L011	-	9	Special		
1L020	-				
1L021	-				
1L030	-				
1L032	-				
1L040	-				
1L041	-				
4 MATERIAL					
	<i>Body material</i>		<i>Trim material</i>		
02	A479 316		AISI 316		
04	A479 316 22Cr duplex		22Cr. Duplex		
06	A479 316 25Cr duplex		25Cr. Duplex		
5 SEALS		6 PLUG, BLEEDER		7 PRESSURE RATING	
T	PTFE solid	N	None	06	6000 psi
G	Graphite	P	¼" NPT ext. plug	10	10000 psi
		B	¼" NPT ext. bleeder		
8 VALVE OPERATION					
01	T-bar				
02	Anti tamper				
03	Anti tamper lockable				

Example: Type 1L000.3A.02TN0601

Needle valve, ½" NPT, AISI 316, PTFE, no plug nor bleeder, 6000 psi, T-bar.