

## INSTRUMENTATION - valves



### Needle valve H-99 type

<b>Body material:</b>	AISI 316
<b>Stem material:</b>	AISI 316
<b>Valve seal:</b>	Metal / metal (AISI 316)
<b>Throttle seal:</b>	PTFE, PEEK, GRAFOIL
<b>Working temp.:</b>	Up to +204°C (PTFE) Up to +260°C (PEEK) Up to +648°C (GRAFOIL)
<b>Working press.:</b>	Up to 690 bar
<b>Connection:</b>	LET-LOK® connectors, NPT, BSPT, BSP threads, welding ends

High pressure needle valve designed to be assembled in an installation or for panel mounting. Used mainly in heavy duty conditions, for taking samples, shutting off the flow and testing equipment. As a standard equipped with V-type stem (close-open valve position). Versions with a regulating or non-rotating stem are also available. All valves are pressure tested before shipment.

code	connection size	flow diameter [mm]	throttle seal	length [mm]
NPT female thread				
HM-H99-SS-FNV-02	1/8"	5	PTFE	58
HM-H99-SS-FNV-04	1/4"	5		58
HM-H99-SS-FNV-06	3/8"	5		58
HM-H99-SS-FNV-08	1/2"	5		65
HM-H99-SS-FNV-12	3/4"	6		70
HM-H99-SS-FNV-16	1"	8		80

code	connection size	flow diameter [mm]	throttle seal	length [mm]
LET-LOK® metric connections				
HM-H99HP-SS-LMV-06	6 mm	5	PTFE	72.8
HM-H99HP-SS-LMV-08	8 mm	5		73
HM-H99HP-SS-LMV-10	10 mm	5		73.2
HM-H99HP-SS-LMV-12	12 mm	5		78.2
LET-LOK® imperial connections				
HM-H99HP-SS-LCV-04	1/4"	5	PTFE	72.7
HM-H99HP-SS-LCV-06	3/8"	5		72.7
HM-H99HP-SS-LCV-08	1/2"	5		78.3
HM-H99HP-SS-LCV-12	3/4"	6		85.3

Relation between valve working pressure and connection:

connection	pressure [bar]
threaded	690
LET-LOK® 6 mm and 1/4"	690
LET-LOK® 8 mm and 10 mm	517
LET-LOK® 12 mm, 3/8" and 1/2"	448
LET-LOK® 3/4"	390
LET-LOK® 25 mm	324
LET-LOK® 1"	276

The lower pressure rate of the valves with LET-LOK® connection is related to the maximum permissible working pressure of the particular connection size.