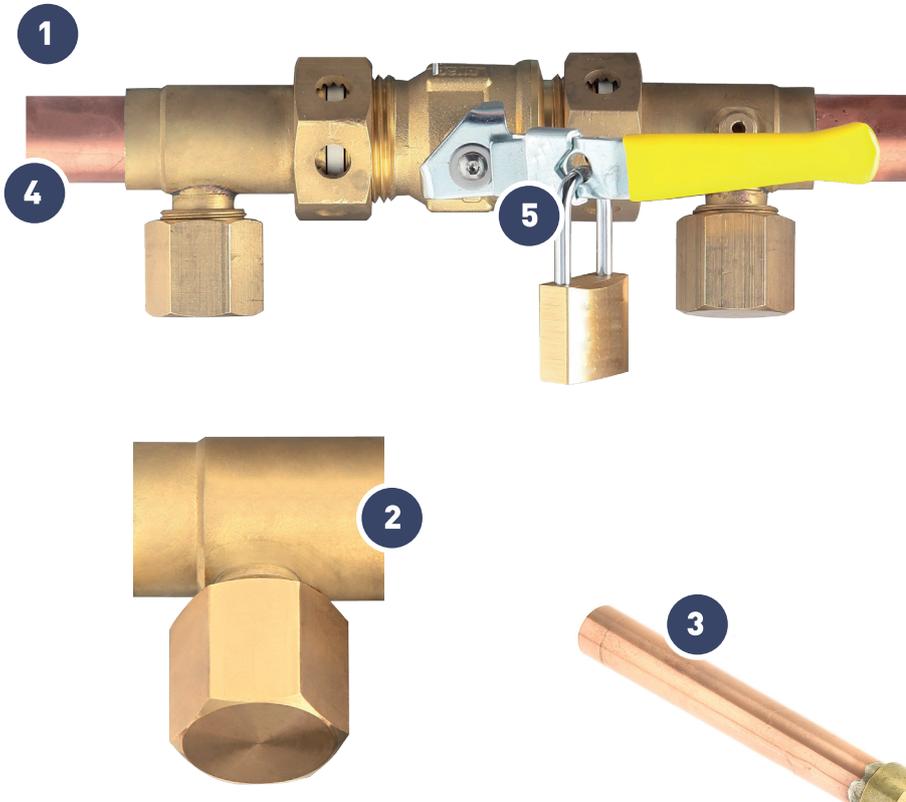


# NIST lockable line valve

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# HTM 2022 / 02-01

NIST lockable line valve  
**HTM 2022 / 02-01**



**Key features**

- 1 NIST Lockable Line Valves consist of a purpose designed male threaded brass ball valve fitted with copper pipe stubs.
- 2 Equipped with NIST connections
- 3 The copper pipe stubs enable installation utilising fluxless brazing to WKO(82)1
- 4 The flat face unions between the stub pipes, through plates and valve incorporate o-ring seals ensuring gas tight connections. A blank plate is provided with each assembly
- 5 The valve handle is lockable in the open or closed position to prevent unauthorised or inadvertent operation of the valve

**General Description**

**NIST Lockable Line Valves** consist of a purpose designed male threaded brass ball valve fitted with copper pipe stubs. The copper pipe stubs enable installation utilising fluxless brazing to WKO(82)1.

The flat face unions between the stub pipes, through plates and valve incorporate o-ring seals ensuring gas tight connections. A blank plate is provided with each assembly.

The valve handle is lockable in the open or closed position to prevent unauthorised or inadvertent operation of the valve  
Rated for use up to 2500 kPa (25 bar)

Available for standard pipe work sizes from ø15mm to ø54mm. Larger sizes are also available

All components are bright acid dipped and vapour degreased prior to assembly

**NIST Lockable Line Valves** are 100% tested for leaks to atmosphere and isolation when in the closed position  
NIST locking plates as available on request as accessory. These can be secured over the blanking nuts with a padlock.

**Meets the requirements of:**

HTM 2022/HTM 02-01 Medical Gas Pipeline Systems

C11 NHS Model Engineering Specification – Medical Gases

BS EN ISO 7396-1 Pipelines for compressed medical gases and vacuum

BS EN ISO 18082 NIST low pressure connectors for medical gases

**Material of construction**

COMPONENT	MATERIAL
<b>Valve Body</b>	Brass CZ122
<b>Ball</b>	Brass CZ122 & Nickel Plated
<b>Stem</b>	Brass CZ122
<b>'O' Rings</b>	NBR
<b>Ball Seals</b>	PTFE
<b>Pipe Flanges</b>	Brass CZ122
<b>Solder</b>	AG 103
<b>Copper Stubs</b>	In Accordance with BS EN 13348

NIST lockable line valve **HTM 2022 / 02-01**

**Technical Data** FULLY AUTOMATIC MANIFOLD CONTROL PANEL

**COMPLYING TO** HTM 02-01, HTM 2022, ISO 7396-1, BS EN ISO 18082, C11 NHS standards

**SUITABLE FOR FOLLOWING GASES** O<sub>2</sub> | N<sub>2</sub>O | CO<sub>2</sub> | MEDICAL AIR | 50% N<sub>2</sub>O / 50% O<sub>2</sub> | CO<sub>2</sub> | VACUUM  
(other gases available on request)

**MAX PRESSURE** 25 bar

**DIMENSIONS** See table

**Dimensions table**

TYPE	VALVE	NUT A/F	VALVE A/F	VALVE LENGHT "A"	SUB LENGHT "B"
15 mm	1/2"	30	30	52	200
22 mm	3/4"	38	36	63	300
28 mm	1"	46	44	63	300
35 mm	1"1/4	52	56	83	235
42 mm	1"1/2	58	68	92	235
54 mm	2"	84	82	114	235

