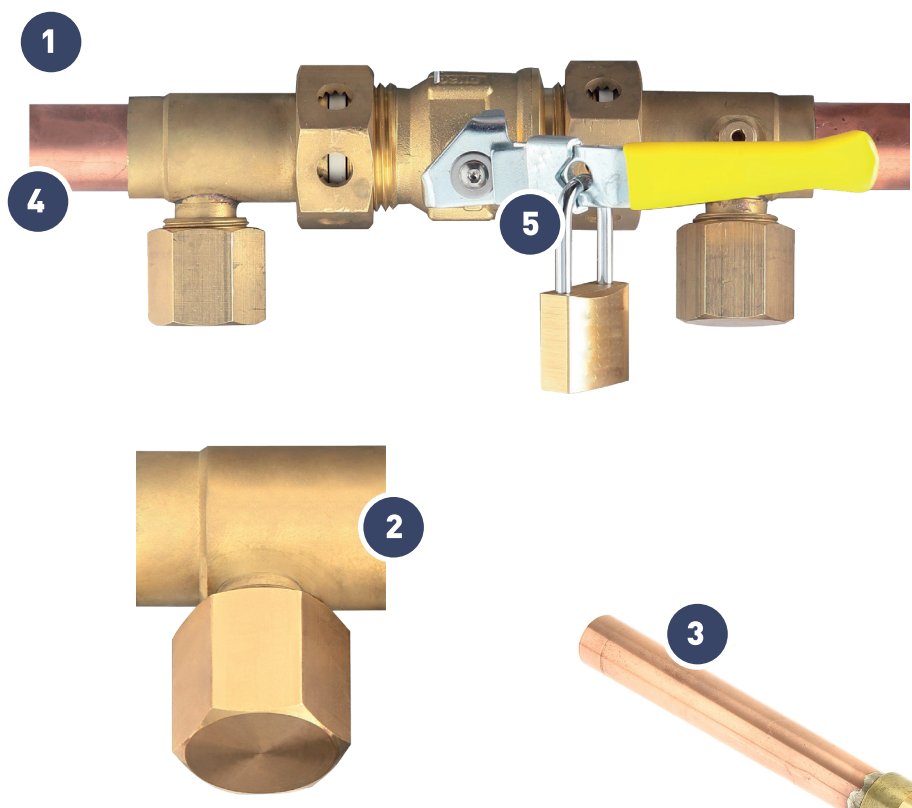


NIST lockable line valve

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 WK0[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 WK0[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 $\varnothing 15\text{mm}$ to $\varnothing 54\text{mm}$. 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
Valve Body	Brass CZ122
Ball	Brass CZ122 & Nickel Plated
Stem	Brass CZ122
'O' Rings	NBR
Ball Seals	PTFE
Pipe Flanges	Brass CZ122
Solder	AG 103
Copper Stubs	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 O₂ | N₂O | CO₂ | MEDICAL AIR | 50% N₂O / 50% O₂ | CO₂ | 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

