THE BBB NERIKI UNI VALVE

Purging, evacuation, and recleaning of cylinders eliminated.

- Proprietary design retains approximately 3 bar cylinder pressure to prevent contamination even if the valve is left open
- Major gas- and cost-savings

Backflow prevented during mixing.

- Special check mechanism prevents higher pressure gas from entering the protected cylinder

Simple design and construction.

- Cassette is preset at factory and is maintenance free
- Check rod verifies presence of residual pressure in seconds

THE DIFFERENCE

BBB NERIKI

NERIKI VALVE CO.,LTD.

THE BBB NERIKI UNI VALVE

SAVES GAS — REDUCES COSTS — ELIMINATES BACKFILL PURGING, EVACUATION AND RECLEANING CYLINDERS ELIMINATED

Cylinders are subject to contamination from air, dirt, water and other impurities (including toxic gases) if an ordinary valve is left open without internal pressure. Standard filling procedures call for costly vacuum purging before ***any*** cylinders are refilled. The Uni valve's unique design always retains approximately 3 bar pressure...***preventing contamination, even if the valve is left open.***

The benefits to gas producers and distributors are:

- Dramatically reduced costs by eliminating the purging and waste of costly gases, such as argon, helium, and hydrogen
- Increased personnel safety by preventing unexpected entry of toxic gases to the cylinder
- No costly cleaning of cylinder inner walls because of moisture penetration and rusting

Backflow in Manifolding and Mixing Eliminated

During manifolding and mixing gases, the lower pressure cylinder using ordinary valves risks backflow and entry of the higher pressure gas. The Uni valve's check mechanism stops any backflow and protects the content-integrity of the lower pressure cylinder.

Simple Construction and Function

Cassette Type Check Valve — Its simple, unique design is preset by the factory to maintain residual pressure preventing contamination.

Checking Rod — verifies the presence of gas within the cylinder. Inserting the Checking Rod displaces the cassette valve permitting release of the contained gas and an audible sound.

FOR YOUR INFORMATION

The BBB Neriki Uni valve is available your specifications which have been covered the worldwide specifications and gases;

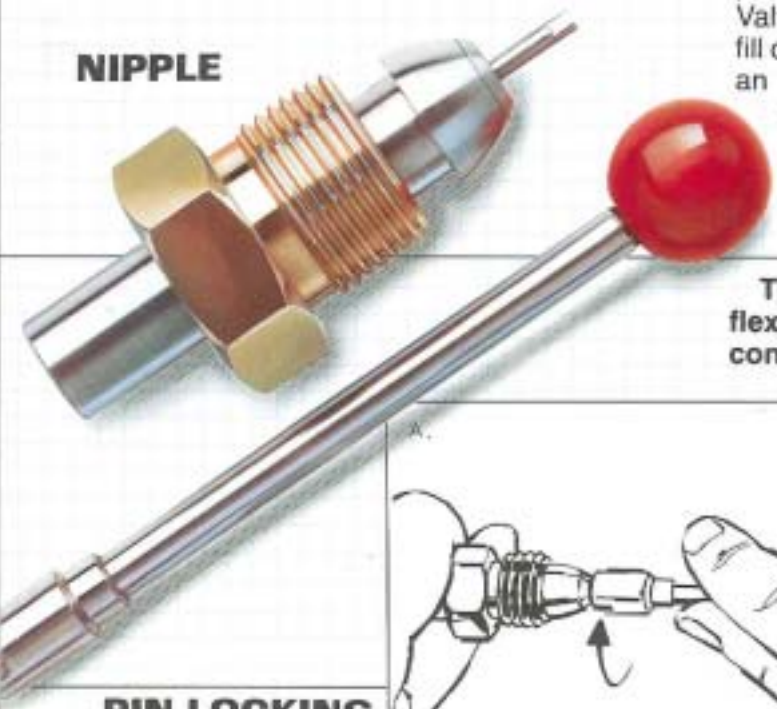
- Specifications: DIN477, BS341, NF & CGA...,
- Gases: Argon, Argon mixtures, Helium, Nitrogen, Hydrogen, Carbon, Dioxide, SF6 & Oxygen..,

The BBB Neriki Uni valve is duly approved by many authorities, such as BAM (W. Germany), UL listed (USA) and Major Gas Co's all over the world.
PATENT in many countries.

NIPPLE

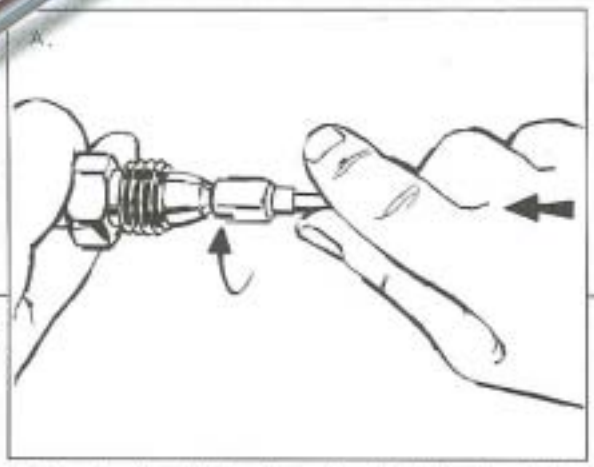
The nipple, designed for the Uni valve, contains a dual-position stainless steel pin which displaces the Cassette Check Valve. Two pin positions permit maximum operating flexibility to fill or evacuate a cylinder having either a conventional valve or an Uni valve. The pin is left in an external position for an Uni valve.

Prior to filling or evacuating a cylinder with a conventional valve, the pin is locked within the nipple using the Pin Locking Tool.

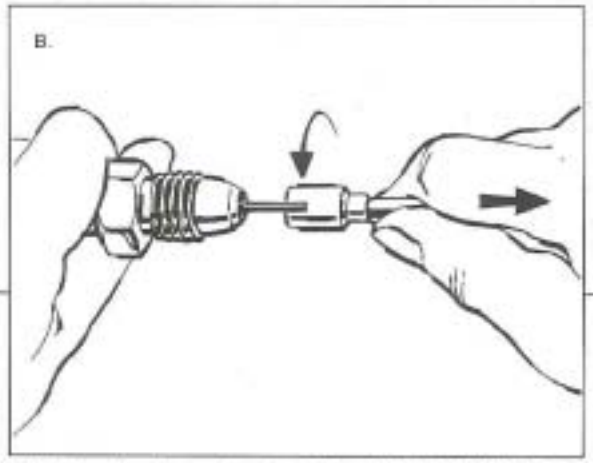


The Uni nipple permits the most practical and flexible usage possible when permanently installed on conventional pigtail connections.

PIN LOCKING TOOL

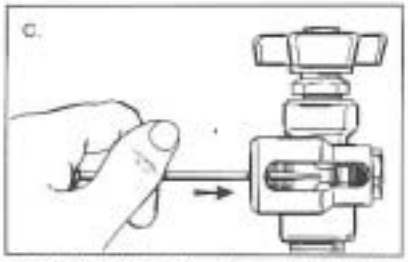


A. Grasping the nipple firmly, position the Pin Locking Tool to grasp the flattened side of the pin. Simultaneously push the two pieces together rotating the Pin Locking Tool clockwise. The pin will be depressed approx. 1/2-in. The nipple is now ready for use with conventional valves.

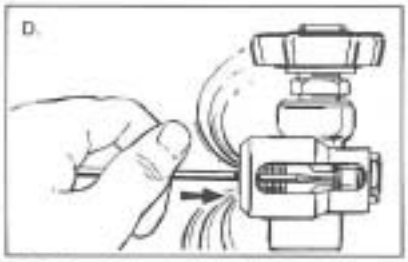


B. Rotating the pin counter-clockwise with the Pin Locking Tool will release the pin for use with the Uni valve.

PRESSURE CHECKING ROD

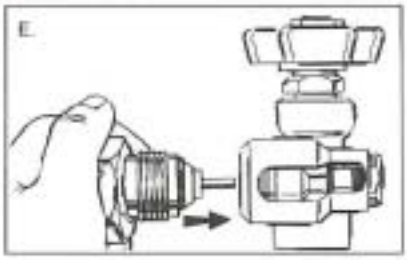


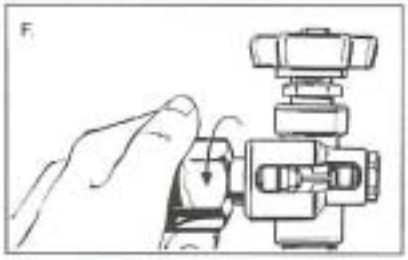
C. Holding the ball end, insert rod into the valve to contact check valve.



D. Push rod into valve against resistance of check valve. The sound of escaping gas indicates residual cylinder pressure.

ADAPTOR





Adaptor — contains a rigid-mounted pin and must be used only with the Uni valve and removed after filling. Useful for temporary use to evaluate the Uni valve.

E. Grasping the large, hexagonal end, insert the threaded-end into the valve.

F. Thread the adaptor into the valve counter-clockwise if left-hand thread (notched); clock-wise if right-hand (un-notched). The pin will automatically displace the check valve.

SPECIAL VALVES

CO_2 EYE-VALVE

- Correct level always indicated irrespective of temperature and/or internal gas pressure
- Available for CO_2 cylinders of all types and sizes (5-, 10-, and 20-lb)
- Liquid level is always visible enabling timely refill and eliminates the need for surplus cylinder inventory

Any Outlet specifications, Inlet with Taper thread for steel cylinders, and straight threads for aluminum cylinders are both available.

STAINLESS STEEL VALVE

- Designed for the demanding controls of the semiconductor industry
- All valves are 100% helium leak-tested to 5×10^{-11} atm cc/sec.
- Assembled in dust-controlled clean room facility
- Available in 304, 316, and 316L stainless steel alloy types, and with either Taper thread or straight threads upon request
- Precision-machined to an exceptionally-fine finish
- An electropolished finish up to R-max 0.4μ internal surface is also available upon specific request
- Packaged individually in nitrogen-sealed polyethylene bags to eliminate dust upon customer's request

Inquire for your individual needs and requirements.

CO_2 EYE-VALVE

STAINLESS STEEL VALVE

Manufactured by:

BBB NERIKI

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