

# WILKERSON®

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Installation & Service Instructions  
83-108-000

Drain Model X02 with  
Variations and Accessories

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## WARNING

To avoid unpredictable system behavior that can cause personal injury and property damage:

- Disconnect electrical supply (when necessary) before installation, servicing, or conversion.
- Disconnect air supply and depressurize all air lines connected to this product before installation, servicing, or conversion.
- Operate within the manufacturer's specified pressure, temperature, and other conditions listed in these instructions.
- Medium must be moisture-free if ambient temperature is below freezing.
- Service according to procedures listed in these instructions.
- Installation, service, and conversion of these products must be performed by knowledgeable personnel who understand how pneumatic products are to be applied.
- After installation, servicing, or conversion, air and electrical supplies (when necessary) should be connected and the product tested for proper function and leakage. If audible leakage is present, or the product does not operate properly, do not put into use.
- Warnings and specifications on the product should not be covered by paint, etc. If masking is not possible, contact your local representative for replacement labels.

## CAUTION

Polycarbonate bowls, being transparent and tough, are ideal for use with Filters and Lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydrocarbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and diester types.

Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents, but should not be used where strong acids or bases are present or in salt laden atmospheres. Consult the factory for specific recommendations where these conditions exist.

**TO CLEAN POLYCARBONATE BOWLS USE MILD SOAP AND WATER ONLY! DO NOT** use cleansing agents such as acetone, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

Bowl guards are recommended for added protection of polycarbonate bowls where chemical attack may occasionally occur.

## WARNING

To avoid polycarbonate bowl rupture that can cause personal injury or property damage, do not exceed bowl pressure or temperature ratings. Polycarbonate bowls have a 150 PSIG pressure rating and a maximum temperature rating of 125°F.

## INSTALLATION

1. Refer to Warnings and Cautions.
2. Install unit in a vertical position.
3. Piping to this unit should be taken from the bottom of air line, sump, reservoir or pneumatic device to be drained.
4. On units with a mechanical drain installed (X02-04-F00), a 3/8" or 10mm ID flexible tube may be attached to drain port, if desired.

5. Do not use rigid plumbing for discharge port at bottom of drain; use flexible hose connections to dampen plant vibrations from traveling into the drain.

6. Maximum pressure rating is 150 psig (10.3 bar) for transparent plastic bowls, and 200 psig (13.8 bar) for metal bowls. Temperature range is 32°F to 125°F (0°C to 52°C) for transparent plastic bowls, and 32°F to 150°F (0°C to 65.5°C) for metal bowls.

## MAINTENANCE

1. Under normal operating conditions, this should be trouble-free.
2. Before removing bowl shut off air supply and reduce pressure in unit to zero.
3. A. IF UNIT IS EQUIPPED WITH A MANUAL PETCOCK, drain bowl at least once per work shift.  
B. IF UNIT IS EQUIPPED WITH A MANUAL DRAINER:  
1) Clean the small screen around the drain seat.
4. DO NOT PRESSURIZE UNIT unless bowl and bowl guard are reinstalled and the clamp ring is securely locked in place.

## REPAIR KITS AND REPLACEMENT PARTS

Plastic bowl with Flexible Drain (5 oz. size) No Guard.....	FRP-95-017
Flexible Drain.....	FRP-95-610
Plastic Bowl (5-oz. size) with Automatic Drain and Bowl Guard.....	GRP-95-845
Bowl Guard (5-oz. size) .....	GRP-95-846
Plastic Bowl (5-oz. size) with Flexible Drain and Bowl Guard.....	FRP-95-847
Automatic Drain (w/ Nitrile Seals).....	GRP-95-973
Automatic Drain (w/ Fluorocarbon Seals).....	GRP-95-981
Metal Bowl w/ Manual Drain .....	GRP-95-539
Petcock Kit.....	GRP-95-182

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## WARNING

**FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.**

This document and other information from The Company, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application, including consequences of any failure and review the information concerning the product or systems in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

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