

08 Series

Miniature Modular Air Preparation System

Catalog 9CW-UF-202



WILKERSON®

 **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 system 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.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by The Company and its subsidiaries at any time without notice.

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Pneumatic Division
Richland, Michigan

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MINIATURE MODULAR 08 SERIES

BASIC FEATURES



Filter

The F08 miniature filter includes a standard 5-micron element, quick-disconnect integral plastic bowl with bowl guard, and manual pipe-away type drain. A metal bowl option is also available. Wilkerson F Series filters meet or exceed ISO Class 3 for maximum particle size and concentration for solid contaminants.*



Regulator

The R08 Regulator features a balanced valve for superior regulation characteristics, two gauge ports, and a bottom plug for ease of maintenance serviceability. The unique flush-mounted pressure gauge is available as an option.



Coalescing Filter

The M08 inline coalescing filter provides high efficiency removal of water and oil aerosols, and solid particulate contaminants down to 0.01 micron with minimum pressure drop. Wilkerson M Series filters exceed ISO Class 1 for particulates and meet or exceed Class 1 for maximum oil content.*



Lubricator

The L08 miniature lubricator features an integral clear sight dome and adjustment knob for quick setting of the lubrication rate. The L08 can also be replenished with oil while under pressure by using the 1/8" fill plug at the top of the unit.



Filter / Regulator

The B08 integral filter / regulator combines all the advanced features and functions of the standard filter and regulator into a single, space saving, high performance unit.



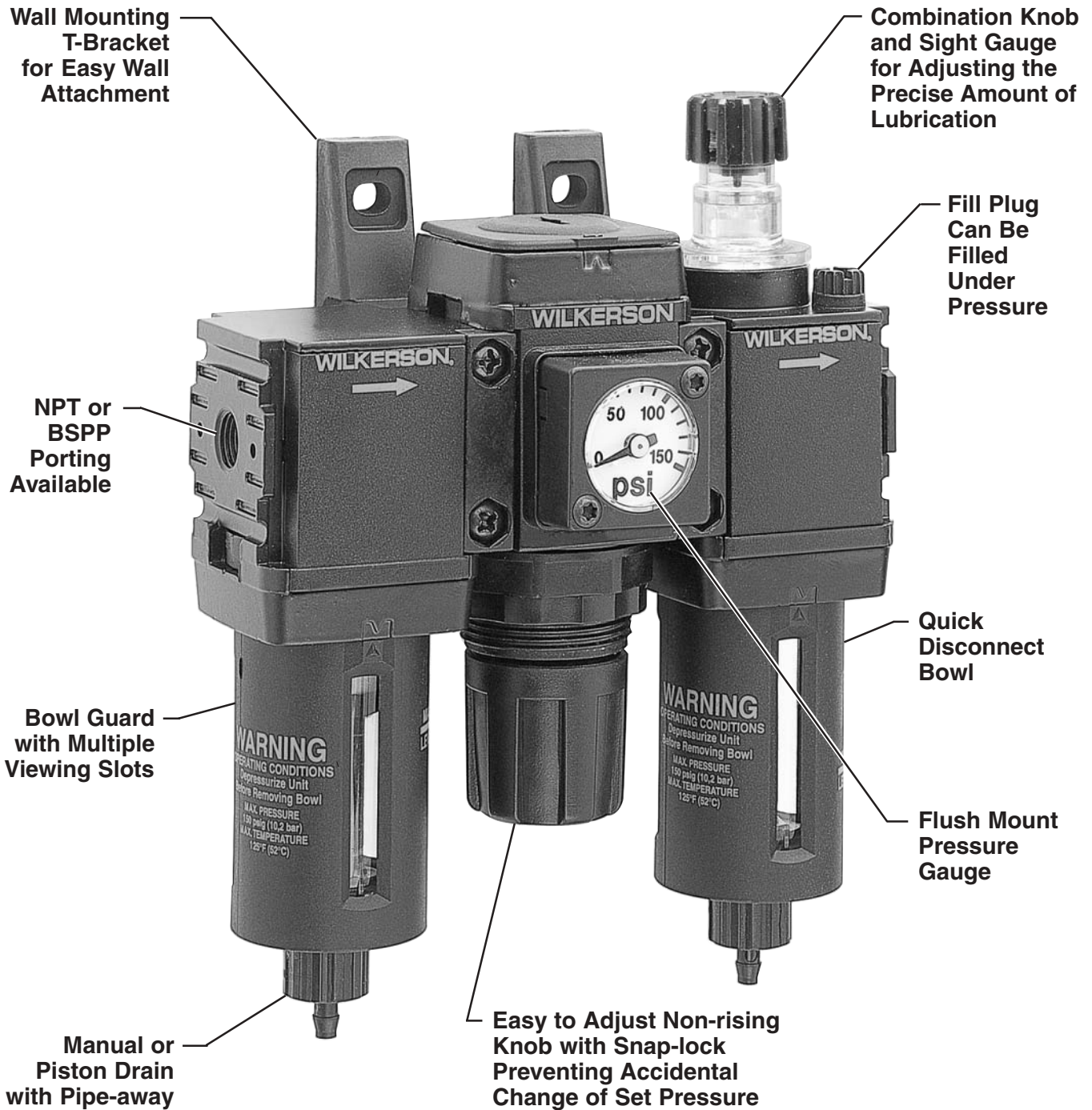
Filter / Regulator / Lubricator

The D08 modular combination model brings together all the superior features and functions of the "08 series" modular FRL product line into a compact, lightweight assembly.

*ISO 8573-1:1991 (E)

MINIATURE MODULAR 08 SERIES

BASIC FEATURES



Filter / Regulator / Lubricator

The C08 modular FRL combination model integrates components of the advanced “08” product line into a compact, lightweight, ready-to-mount assembly. The units come standard with pressure gauge and are pre-assembled utilizing our modular T-bracket / joiner assembly for easy installation and mounting.

MINIATURE MODULAR 08 SERIES

ACCESSORIES AND OPTIONS



Diverter Block

For increased design flexibility, the N08 diverter block is available 1/4" threaded inlet/outlet ports. The diverter block can be mounted anywhere in the FRL system. The unit comes with two, 1/4" or 1/8" threaded auxiliary ports.



Safety Lockout Valve

The V08 safety lockout valve is a manually operated slide-type 3-way valve. In the closed position downstream air is exhausted to atmosphere. The valve slide can be locked in the closed position with a customer supplied padlock. (Meets OSHA Reg 29 CFR Part 1910)



Metal Bowl and Automatic Piston Drain

The 08 Series has both optional metal bowl and automatic cyclic piston drain to meet your application needs.



Flush Mount Pressure Gauge

The 08 Series Regulator features an attractive, square-housing, flush mount pressure gauge (0-160 PSIG) that can be mounted on either side of the regulator for piping convenience. Standard 1/8" NPT gauge ports and gauges are also available.



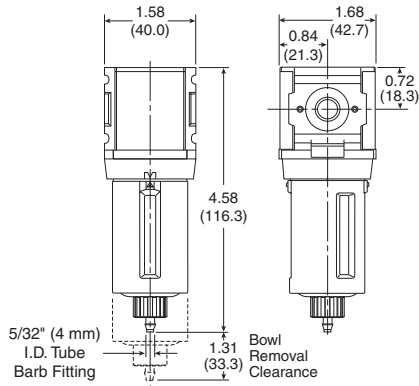
Modular Brackets and Joiner Assembly

A wide choice of unit mounting brackets and joiner assemblies allow for easy unit installation, assembly, and mounting.

MINIATURE MODULAR 08 SERIES

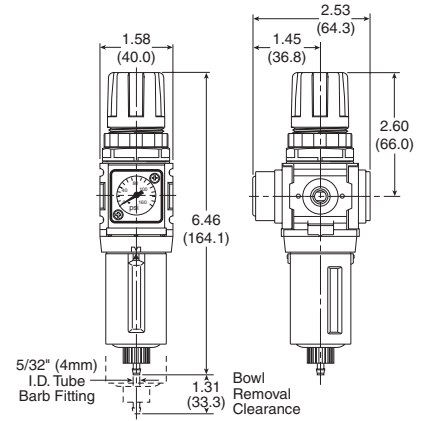
DIMENSIONAL DRAWINGS

**F08
and
M08**

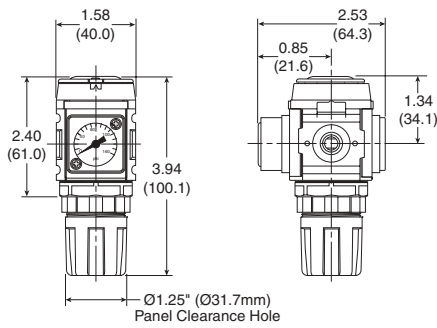


Inches
(mm)

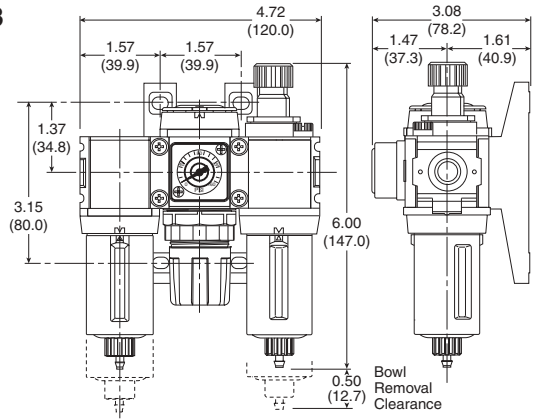
B08



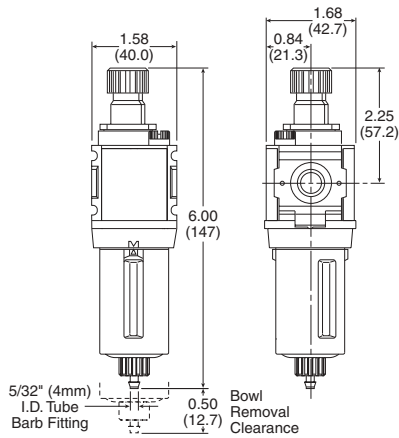
R08



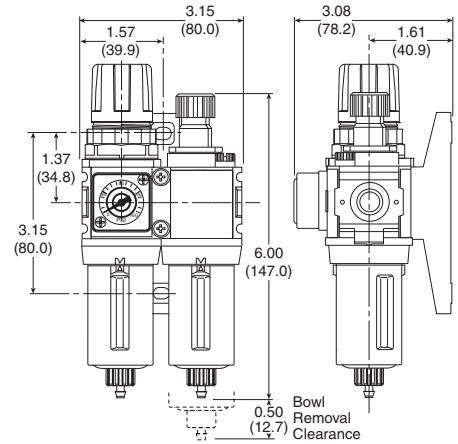
C08



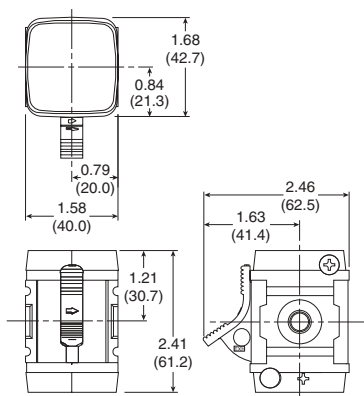
L08



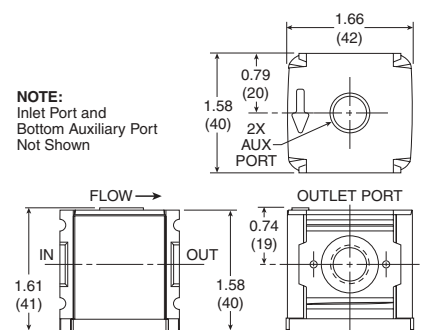
D08



V08



N08



MINIATURE MODULAR 08 SERIES

SPECIFICATIONS AND ORDERING DATA

Model No.	Description	Pipe Size NPT	Flow SCFM	Max. Pressure PSIG	Max. Temp. °F	Bowl Capacity oz.	Height inches	Width inches	Depth inches	Weight lbs.
FILTERS*										
F08-01-SK00	Manual Drain	1/8	25.0	150	125	0.4	4.58	1.58	1.68	0.5
F08-02-SK00	Manual Drain	1/4	50.0	150	125	0.4	4.58	1.58	1.68	0.5
F08-01-SR00	Automatic Piston Drain	1/8	25.0	150	125	0.4	4.58	1.58	1.68	0.5
F08-02-SR00	Automatic Piston Drain	1/4	50.0	150	125	0.4	4.58	1.58	1.68	0.5
COALESCING FILTERS*										
M08-02-BK00	Coalescing / Manual Drain / 0.5 Micron	1/4	11.0	150	125	0.4	4.58	1.58	1.68	0.4
M08-02-BR00	Coalescing / Auto. Piston Drain / 0.5 Micron	1/4	11.0	150	125	0.4	4.58	1.58	1.68	0.4
M08-02-CK00	Coalescing / Manual Drain / 0.01 Micron	1/4	11.0	150	125	0.4	4.58	1.58	1.68	0.4
M08-02-CR00	Coalescing / Auto. Piston / 0.01 Micron	1/4	11.0	150	125	0.4	4.58	1.58	1.68	0.4
M08-02-DK00	Coalescing / Manual Drain / Activated Carbon	1/4	11.0	150	125	0.4	4.58	1.58	1.68	0.4
M08-02-DL00	Coalescing / Man. Drain, Metal Bowl / Activated Carbon	1/4	11.0	150	125	0.4	4.58	1.58	1.68	0.4
REGULATORS*										
R08-01-F000	Relieving	1/8	29.2	300	150	—	3.94	1.58	—	0.7
R08-01-F0G0	Relieving / Gauge 0-160 psi	1/8	29.2	300	150	—	3.94	1.58	2.53	0.7
R08-02-F000	Relieving	1/4	44.0	300	150	—	3.94	1.58	—	0.7
R08-02-F0G0	Relieving / Gauge 0-160 psi	1/4	44.0	300	150	—	3.94	1.58	2.53	0.7
R08-01-R000	Nonrelieving	1/8	29.2	300	150	—	3.94	1.58	—	0.7
R08-01-R0G0	Nonrelieving / Gauge 0-160 psi	1/8	29.2	300	150	—	3.94	1.58	2.53	0.7
R08-02-R000	Nonrelieving	1/4	44.0	300	150	—	3.94	1.58	—	0.7
R08-02-R0G0	Nonrelieving / Gauge 0-160 psi	1/4	44.0	300	150	—	3.94	1.58	2.53	0.7
LUBRICATORS*										
L08-01-KK00	Manual Drain	1/8	23.5	150	125	0.6	5.65	1.58	1.68	0.6
L08-02-KK00	Manual Drain	1/4	57.5	150	125	0.6	5.65	1.58	1.68	0.6
FILTER / REGULATORS*										
B08-01-FK00	Relieving	1/8	28.6	150	125	0.4	6.46	1.58	—	0.8
B08-01-FKG0	Relieving / Gauge 0-160 psi	1/8	28.6	150	125	0.4	6.46	1.58	2.53	0.8
B08-01-FRG0	Relieving / Piston Drain / Gauge 0-160 psi	1/8	28.6	150	125	0.4	6.46	1.58	2.53	0.8
B08-02-FK00	Relieving	1/4	42.1	150	125	0.4	6.46	1.58	—	0.8
B08-02-FKG0	Relieving / Gauge 0-160 psi	1/4	42.1	150	125	0.4	6.46	1.58	2.53	0.8
B08-02-FRG0	Relieving / Piston Drain / Gauge 0-160 psi	1/4	42.1	150	125	0.4	6.46	1.58	2.53	0.8
COMBINATIONS*										
C08-01-FK00	Filter / Regulator / Lubricator	1/8	28.7	150	125	—	6.46	4.74	—	2
C08-02-FK00	Filter / Regulator / Lubricator	1/4	40.0	150	125	—	6.46	4.74	—	2
C08-01-FKG0	Filter / Regulator / Lubricator / Gauge	1/8	28.7	150	125	—	6.46	4.74	3.08	2
C08-02-FKG0	Filter / Regulator / Lubricator / Gauge	1/4	40.0	150	125	—	6.46	4.74	3.08	2
D08-01-FK00	Filter / Regulator / Lubricator	1/8	28.6	150	125	—	6.46	3.15	—	1.4
D08-02-FK00	Filter / Regulator / Lubricator	1/4	42.1	150	125	—	6.46	3.15	—	1.4
D08-01-FKG0	Filter / Regulator / Lubricator / Gauge	1/8	28.6	150	125	—	6.46	3.15	3.08	1.4
D08-02-FKG0	Filter / Regulator / Lubricator / Gauge	1/4	42.1	150	125	—	6.46	3.15	3.08	1.4
OPTIONS AND ACCESSORIES										
GRP-96-719	Gauge 0-160 psi	—	—	—	—	—	1.06	0.59	—	0.05
GRP-96-720	Gauge 0-60 psi	—	—	—	—	—	1.06	0.59	—	0.05
GRP-96-721	Gauge 0-30 psi	—	—	—	—	—	1.06	0.59	—	0.05
GPA-97-018	Piping Adapter Set	1/8	—	—	—	—	1.42	0.31	—	0.33
GPA-97-019	Piping Adapter Set	1/4	—	—	—	—	1.42	0.31	—	0.33
GPA-97-020	Piping Adapter Set	3/8	—	—	—	—	1.42	0.31	—	0.35
GPA-97-025	Piping Adapter / T-Bracket	1/8	—	—	—	—	1.57	1.42	—	0.41
GPA-97-026	Piping Adapter / T-Bracket	1/4	—	—	—	—	1.57	1.42	—	0.41
GPA-97-027	Piping Adapter / T-Bracket	3/8	—	—	—	—	1.57	1.42	—	0.43
RPA-96-733	Panel Mount Nut (Aluminum)	—	—	—	—	—	—	—	—	—
RPA-96-734	Panel Mount Nut (Plastic)	—	—	—	—	—	—	—	—	—
RPA-96-735	Tamper Resistant Kit	—	—	—	—	—	—	—	—	—
GPA-96-738	Joiner Set	—	—	—	—	—	1.42	0.39	—	0.02
GRP-96-739	L-Type Bracket	—	—	—	—	—	0.97	2.68	—	0.05
GPA-96-010	C-Type Bracket	—	—	—	—	—	2.67	2.32	—	0.09
GPA-96-737	T-Type Bracket	—	—	—	—	—	3.97	0.64	—	0.09
OTHER PRODUCTS										
V08-01-0000	Safety Lockout Valve	1/8	55.5	150	150	—	2.41	2.46	—	0.66
V08-02-0000	Safety Lockout Valve	1/4	100.0	150	150	—	2.41	2.46	—	0.66
N08-01-0000	Diverter Block	1/8	75.0	300	150	—	1.42	1.64	—	0.27
N08-02-0000	Diverter Block	1/4	140.0	300	150	—	1.42	1.64	—	0.27

Metal bowl manual drain use L in 7th position XXX-XX-XLXX

Metal bowl piston drain use S in 7th position XXX-XX-XSXX

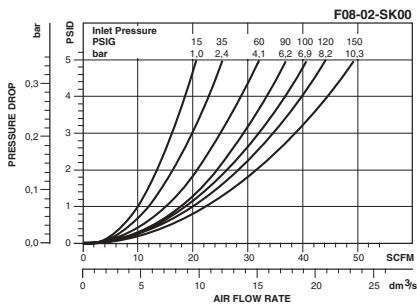
Metal bowl increases Max. Pressure to 250 PSIG, Max. Temp. to 150°F.

*Unit models are available in BSPP by placing a "C" in the 4th position of the unit model number.

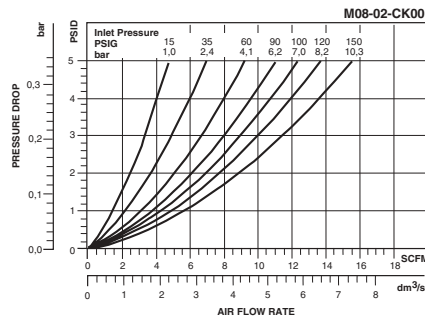
MINIATURE MODULAR 08 SERIES

FLOW CHARTS

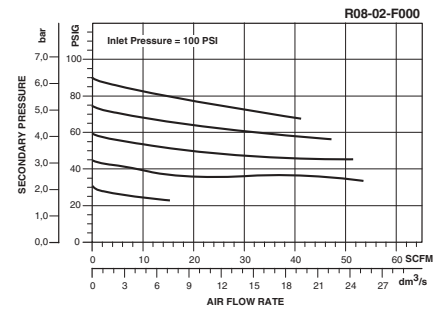
F08 / M08 / R08



Flow data based on inlet pressure = 150 psig, 5 psid

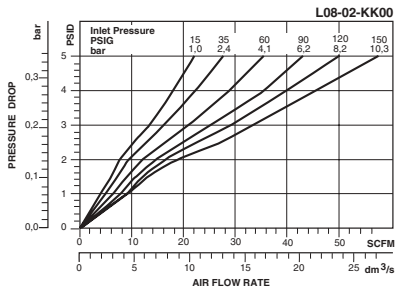


Flow data based on inlet pressure = 150 psig, 3 psid

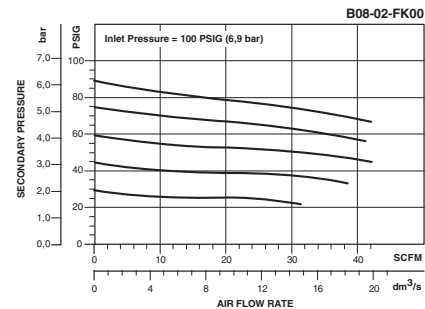


Flow data based on inlet pressure = 100 psig, secondary pressure 90 psig

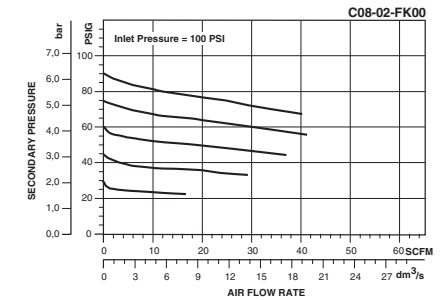
L08 / B08 / C08



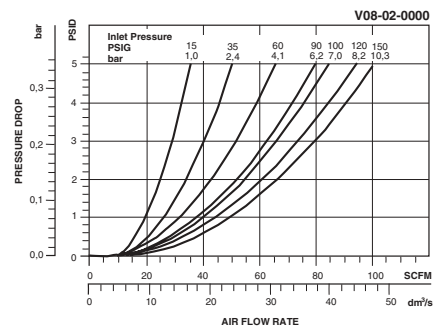
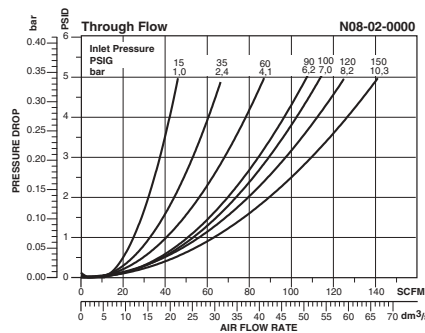
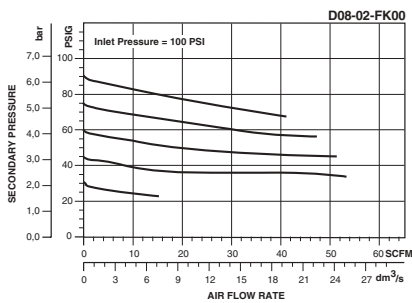
Flow data based on inlet pressure = 150 psig, 5 psid



Flow data based on inlet pressure = 100 psig, secondary pressure 90 psig



D08 / N08 / V08



Notes

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1. Terms and Conditions of Sale: All descriptions, quotations, proposals, offers, acknowledgments, acceptances and sales of Seller's products are subject to and shall be governed exclusively by the terms and conditions stated herein. Buyer's acceptance of any offer to sell is limited to these terms and conditions. Any terms or conditions in addition to, or inconsistent with those stated herein, proposed by Buyer in any acceptance of an offer by Seller, are hereby objected to. No such additional, different or inconsistent terms and conditions shall become part of the contract between Buyer and Seller unless expressly accepted in writing by Seller. Seller's acceptance of any offer to purchase by Buyer is expressly conditional upon Buyer's assent to all the terms and conditions stated herein, including any terms in addition to, or inconsistent with those contained in Buyer's offer. Acceptance of Seller's products shall in all events constitute such assent.

2. Payment: Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Amounts not timely paid shall bear interest at the maximum rate permitted by law for each month or portion thereof that the Buyer is late in making payment. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

3. Delivery: Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

4. Warranty: Seller warrants that the items sold hereunder shall be free from defects in material or workmanship for a period of 18 months from date of shipment from The Company. THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER. SELLER MAKES NO OTHER WARRANTY, GUARANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED.

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5. Limitation of Remedy: SELLER'S LIABILITY ARISING FROM OR IN ANY WAY CONNECTED WITH THE ITEMS SOLD OR THIS CONTRACT SHALL BE LIMITED EXCLUSIVELY TO REPAIR OR REPLACEMENT OF THE ITEMS SOLD OR REFUND OF THE PURCHASE PRICE PAID BY BUYER, AT SELLER'S SOLE OPTION. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND OR NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS ARISING FROM OR IN ANY WAY CONNECTED WITH THIS AGREEMENT OR ITEMS SOLD HEREUNDER, WHETHER ALLEGED TO ARISE FROM BREACH OF CONTRACT, EXPRESS OR IMPLIED WARRANTY, OR IN TORT, INCLUDING WITHOUT LIMITATION, NEGLIGENCE, FAILURE TO WARN OR STRICT LIABILITY.

6. Changes, Reschedules and Cancellations: Buyer may request to modify the designs or specifications for the items sold hereunder as well as the quantities and delivery dates thereof, or may request to cancel all or part of this order, however, no such requested modification or cancellation shall become part of the contract between Buyer and Seller unless accepted by Seller in a written amendment to this Agreement. Acceptance of any such requested modification or cancellation shall be at Seller's discretion, and shall be upon such terms and conditions as Seller may require.

7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitations, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and

notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

8. Buyer's Property: Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer, or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

10. Indemnity For Infringement of Intellectual Property Rights: Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets (hereinafter "Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

If a claim is based on information provided by Buyer or if the design for an item delivered hereunder is specified in whole or in part by Buyer, Buyer shall defend and indemnify Seller for all costs, expenses or judgements resulting from any claim that such item infringes any patent, trademark, copyright, trade dress, trade secret or any similar right.

11. Force Majeure: Seller does not assume the risk of and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation, accidents, acts of God, strikes or labor disputes, acts, laws, rules or regulations of any government or government agency, fires, floods, delays or failures in delivery of carriers or suppliers, shortages of materials and any other cause beyond Seller's control.

12. Entire Agreement/Governing Law: The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.

WILKERSON®

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