

# 08 Series

## Miniature Modular Air Preparation System

Catalog 9CW-UF-202



# WILKERSON®

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Pneumaticair

# 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.



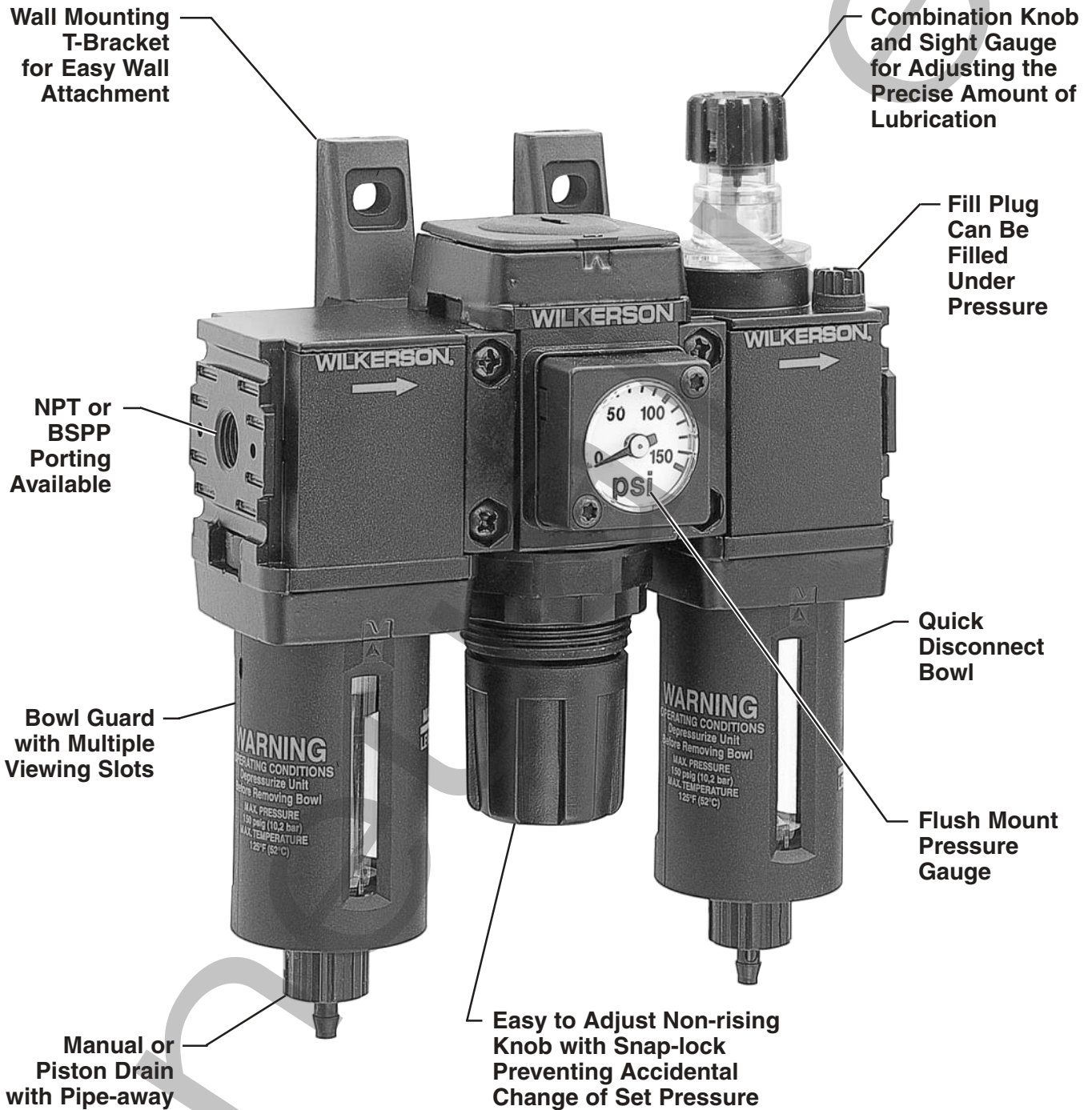
### Filter / Regulator / Lubricator

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.



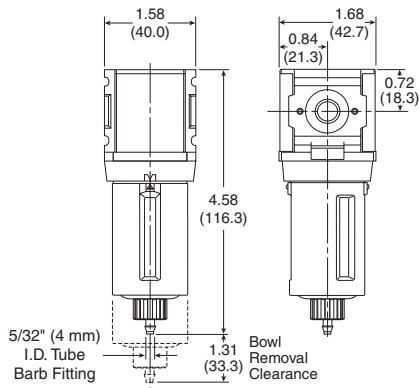
### Modular Brackets and Joiner Assembly

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

# MINIATURE MODULAR 08 SERIES

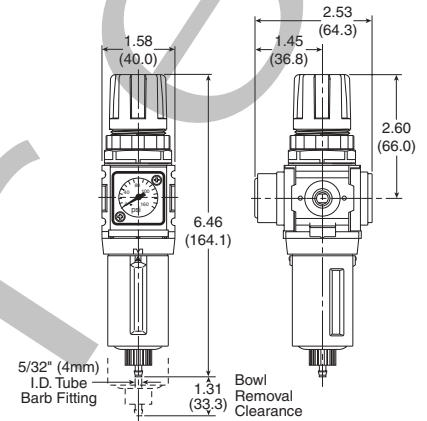
## DIMENSIONAL DRAWINGS

F08  
and  
M08

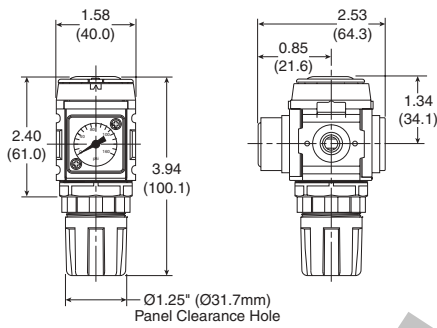


Inches  
(mm)

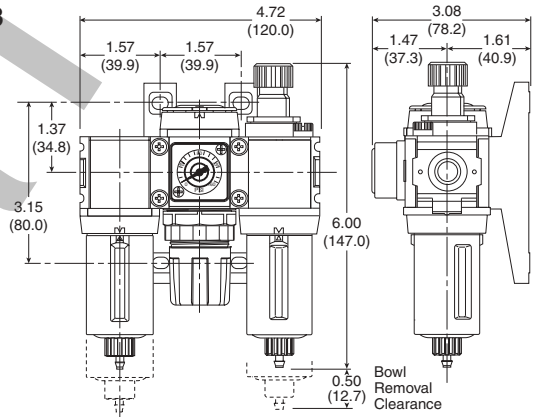
B08



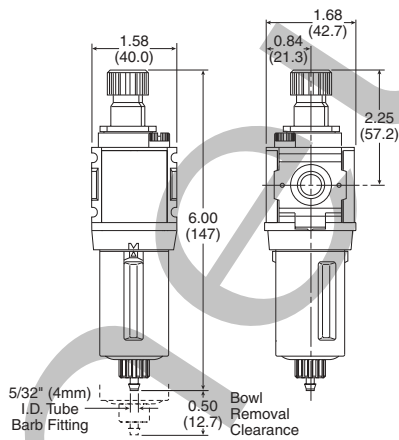
R08



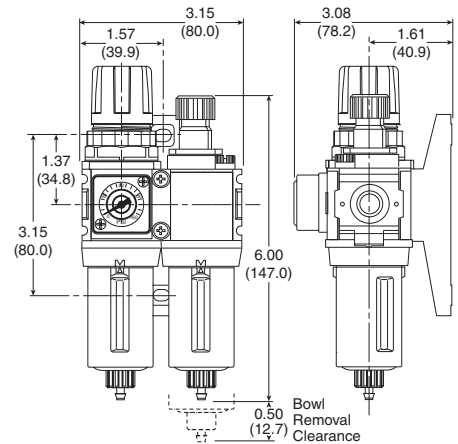
C08



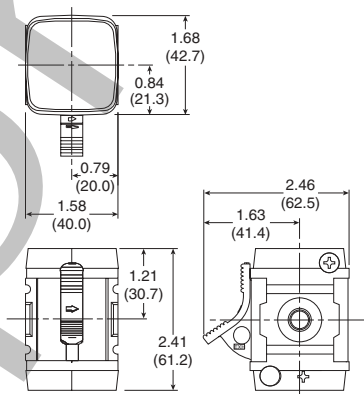
L08



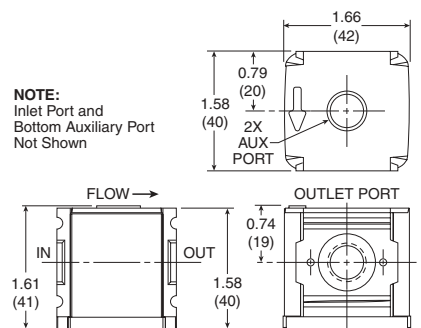
D08



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.
<b>FILTERS*</b>										
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
<b>COALESCING FILTERS*</b>										
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
<b>REGULATORS*</b>										
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
<b>LUBRICATORS*</b>										
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
<b>FILTER / REGULATORS*</b>										
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
<b>COMBINATIONS*</b>										
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
<b>OPTIONS AND ACCESSORIES</b>										
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
<b>OTHER PRODUCTS</b>										
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

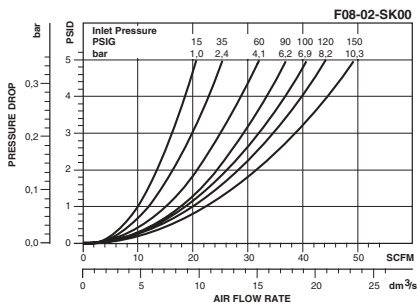
Metal bowl increases Max. Pressure to 250 PSIG, Max. Temp. to 150°F.

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

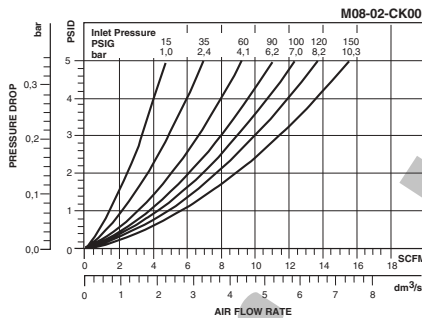
# MINIATURE MODULAR 08 SERIES

## FLOW CHARTS

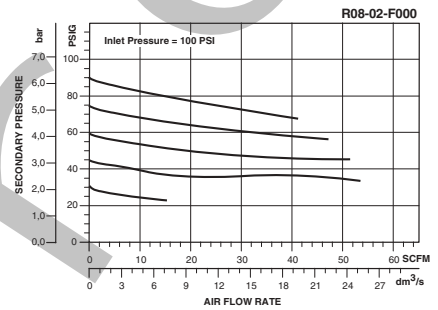
### F08 / M08 / R08



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

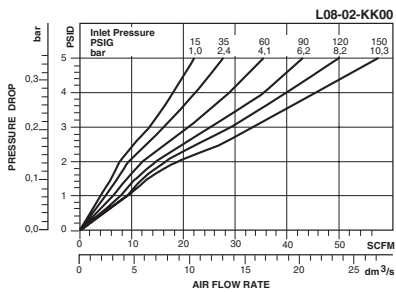


Flow data based on inlet pressure = 150 psig, 3 psid

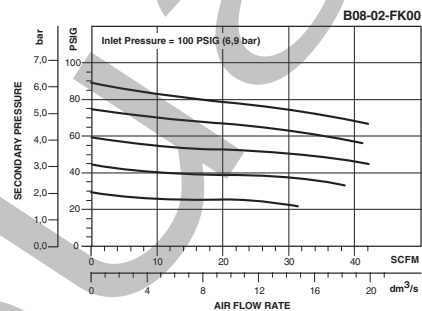


Flow data based on inlet pressure = 100 psig, secondary pressure 90 psig

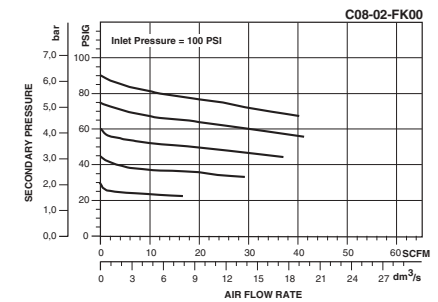
### L08 / B08 / C08



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

