

DATA SHEET

GO FRL Filter, Regulator and Lubricator

Modular air preparation for compressed air lines. The filter strips water, oil and suspended debris from the supply, the regulator holds downstream pressure where you set it, and the lubricator adds a micro mist of oil so air tools last longer. Five sizes, 1/4 in to 1 in BSPP.

**4000 L/min**

max flow rate, FRL-06

9 bar

max inlet pressure

5 micron

filtration

Key features

- Filter, regulator and lubricator assembled on one mounting bracket, ready to fit.
- 5 micron element strips water, oil and suspended debris from the air supply.
- Relieving-type regulator holds 0.5 to 8.5 bar against a 9 bar maximum inlet.
- Lubricator meters a micro mist of ISO VG32 oil into the cleaned air.
- Pressure gauge, auto drain and mounting bracket included on every size.
- Polycarbonate bowls with bowl guard and sight glass as standard.



Model range

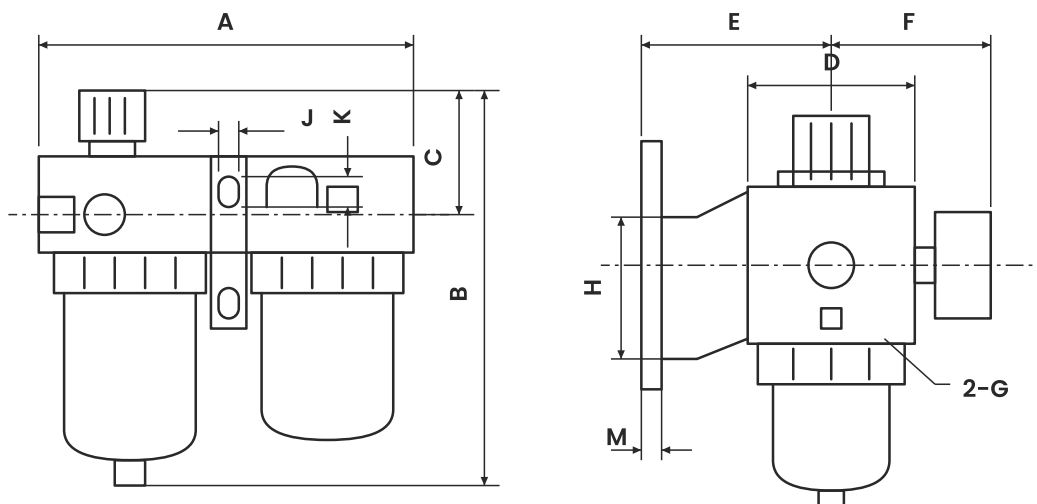
MODEL	PORT SIZE (BSPP)	FLOW RATE	GAUGE PORT
FRL-02	1/4 in · DN8	500 L/min	G1/8
FRL-03	3/8 in · DN10	1700 L/min	G1/8
FRL-04	1/2 in · DN15	3000 L/min	G1/4
FRL-05	3/4 in · DN20	4000 L/min	G1/4
FRL-06	1 in · DN25	4000 L/min	G1/4

Common specifications

SPECIFICATION	VALUE
Applicable medium	Compressed air
Medium temperature	0 to 60 °C
Filtration	5 micron
Maximum inlet pressure	9 bar (130 PSI)
Regulated pressure	0.5 to 8.5 bar (8 to 123 PSI)
Regulator construction	Relieving type
Relief pressure	Set pressure + 0.5 bar at 0.1 L/min
Body material	Die cast aluminium
Bowl material	Polycarbonate with bowl guard
Recommended lubricant	ISO VG32 or equivalent



Dimensions



DIM	FRL-02	FRL-03	FRL-04	FRL-05	FRL-06
A	90	117	154	154	198
B	165	211	263	263	312
C	78	92	112	112	114
D	40	53	70	70	90
E	57	61	70.5	70.5	70.5
F	30	41	50	50	70
G	G1/4	G3/8	G1/2	G3/4	G1
H	48	70	80	80	80
K	8.5	11	11	11	13
J	5.5	7	9	9	10
M	5	7	7	7	10
B (auto drain)	187.5	248.5	300	304	349

● READING THIS TABLE

Letters key to the drawings above and all dimensions are in millimetres. GO supplies the auto drain version, so use B (auto drain) for installed height.



In the box

Each unit ships assembled on its mounting bracket with pressure gauge, auto drain, polycarbonate bowls, bowl guard and sight glass fitted, so nothing needs building up before it goes on the wall.

Safety

These units are built for industrial compressed air. Do not run one past the pressures or temperatures in the technical data on page 2, and talk to us before putting an FRL on any other medium, outside industrial service, or into a life support or safety critical application.

Depressurise the unit before removing a bowl. Polycarbonate is attacked by synthetic oils, organic solvents, chemicals, cutting oils and thread sealing compounds. Keep the bowls out of direct sunlight, clean them with neutral detergent only, and drain before the level reaches the max drain line.

Any component can fail through misuse, age or damage. Whoever designs the system is responsible for working through how each part could fail and for building in the guarding, relief and isolation that keeps people and equipment safe. Where a failure mode cannot be designed out, warn the operator in the machine manual.

Specifications may change without notice as the range is developed.

Warranty

GO Industrial warrants this product free from defects in material and workmanship for 12 months from the date of purchase, or for the manufacturer's period where that is longer.

Our obligation under this warranty is limited to repair, replacement or refund of the purchase price at our discretion, where the product is returned to us freight prepaid and is found on examination to be defective. It does not cover misuse, misapplication, improper maintenance, modification or tampering.

Nothing in this warranty excludes, restricts or modifies any right or remedy you have under the Australian Consumer Law.

