

# FINE CONTROLS (UK) LTD



Fine Controls have been supplying process controls & instrumentation equipment since 1994, & now serves an ever expanding customer base, both in the UK & globally.

We offer a full range of valve & instrumentation products & services, with our product range representing leading technologies & brands:

**Flow:** Flow Meters & Transmitters, Flow Switches, Flow Control Valves & Batch Control Systems

**Temperature:** Temperature Probes & Thermowells, Temperature transmitters, Temperature Regulators & Temperature Displays

**Level:** Level Transmitters & Switches

**Pressure:** Pressure Gauges & Transmitters, Precision & High Pressure Regulators & I-P Converters, Volume boosters.

**Precision Pneumatics:** Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

**Valves:** Solenoid & Pneumatic Valves, Control Valves & Positioners, Actuated Ball, Globe or Diaphragm Valves & Isolation Valves

**Services:** Repair, Calibration, Panel Build, System Design & Commissioning

 A rotork® Brand  
**FAIRCHILD**



**bürkert**



**SIEMENS**



**alcon**  
SOLENOID VALVES

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**MIDLAND-ACS**  
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**Honeywell**



 **Bourdon**  
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**SOLDO**  
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## 3525 SERIES AIR SERVICE UNITS FILTER REGULATORS



- Specifically designed for Severe Offshore Environments
- Self-relieving
- Manual drain
- 25 Micron element
- Easy Installation, Repair and Replacement
- Ambient Temperature Range -15°C to +80°C
- 316 Stainless Steel Construction
- Flow paths minimise pressure drop

### General Description

A 316 Stainless Steel combined unit for filtration and regulation of compressed air in the offshore and allied industries.

### Regulated Pressure

0.5	to	8 bar	(7.2	to	116psi)
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### Ambient Temperature Range

- Standard: -15°C to +80°C (-5°F to +176°F)

### Maximum Relief Flow

- Set at 6.3 bar, 6.9 bar secondary pressure  
30 cc/sec (1.8 cu in/sec)

### Maximum Inlet Pressure

- 20 bar (290 psi)

### Ports NPT

- 1/4"

### Gauge Ports

- 1/8" NPT

### Relief Vent Port

- 1/8" NPT (optional bug screen)

### Ingress Protection

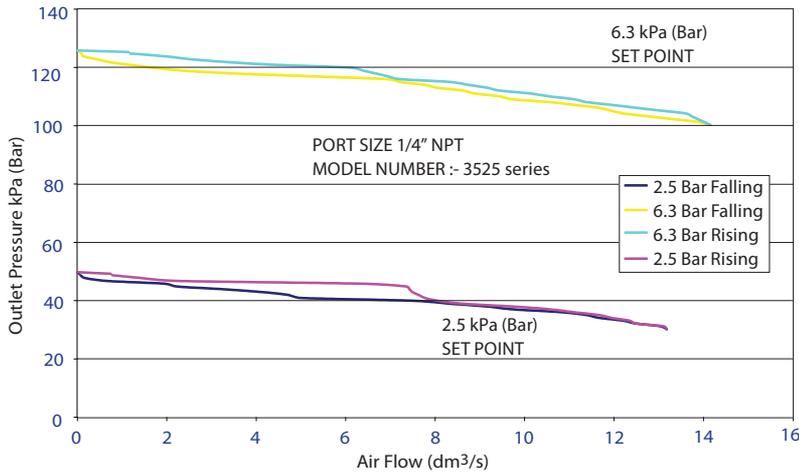
- IP65 when fitted with optional vent port bug screen

### Flow Capacity

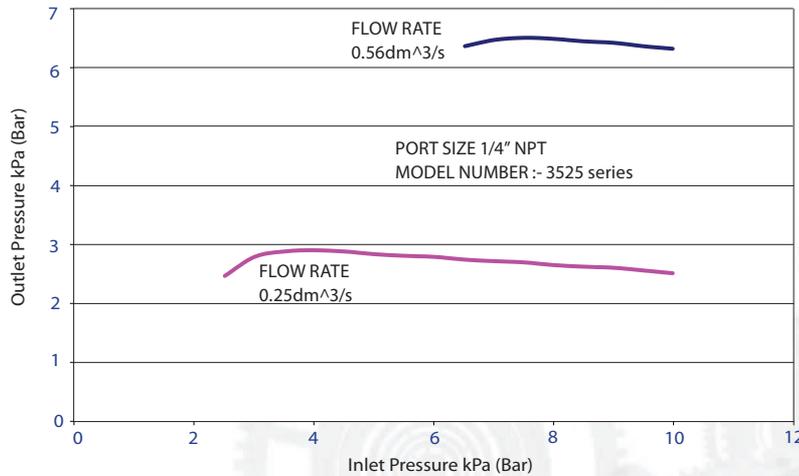
At 6.3 bar inlet pressure, 5.3 bar secondary pressure, 1 bar pressure drop

- 696 L/min (707 cu in/sec)

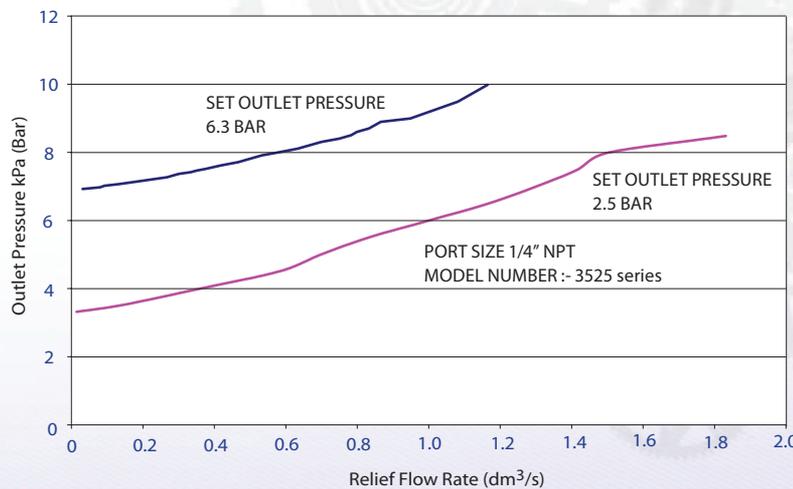
## 3525 SERIES AIR SERVICE UNITS FILTER REGULATORS



Forward Flow Characteristics for 1/4" Flow Regulator

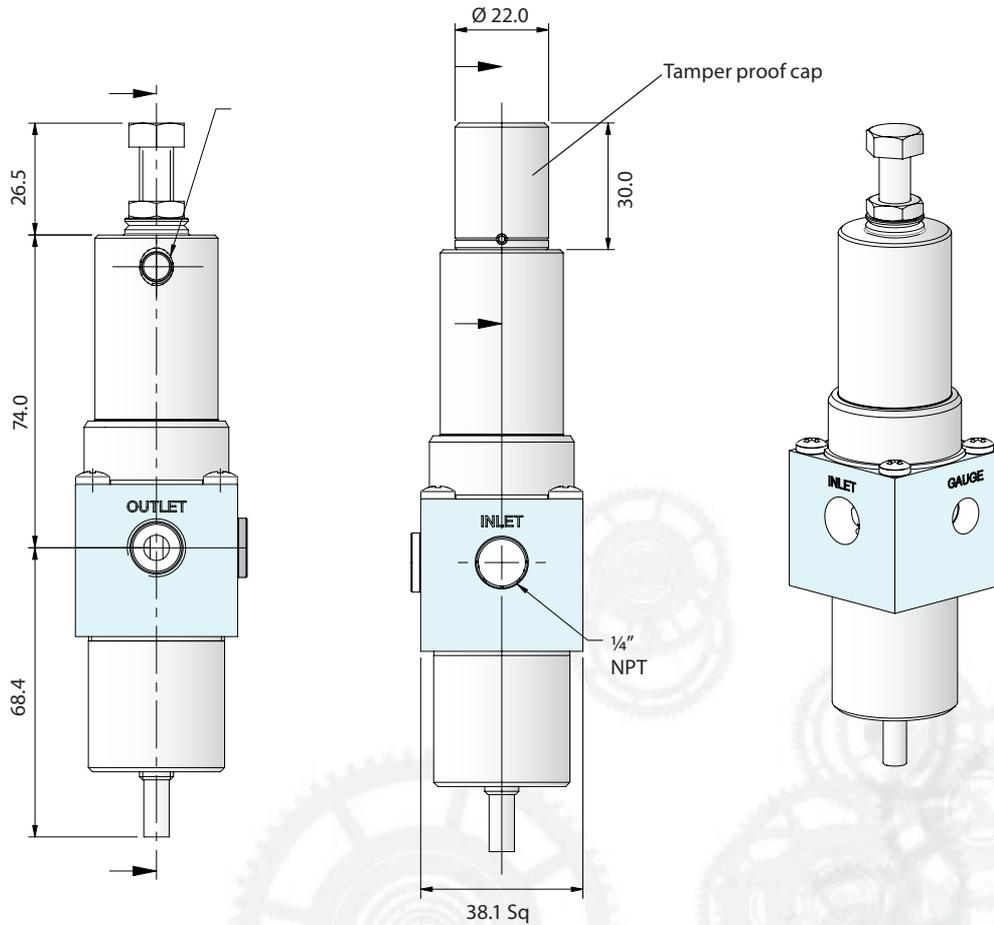


Pressure Regulation Characteristics

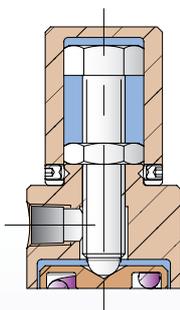


Relief Flow Rate

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Tamper proof cap



### Bowl Retention Capacity

- 5 cc (0.3 cu ins)

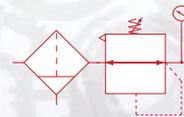
### Operating Medium

- Gases - air, inert gas, sweet (natural) and sour gases.

### Weight

- 0.725kg approx

Self Reliving with manual drain



## 3525 SERIES AIR SERVICE UNITS FILTER REGULATORS

### Construction Materials

- Body/bonnet/bowl and internals: 316 Stainless Steel
- 25 Micron 316 Stainless Steel element
- Fluoroelastomer Seals

### Stud Mounting Kit

- Body/bonnet/bowl and internals: 316 Stainless Steel
- 25 Micron 316 Stainless Steel element
- Fluoroelastomer Seals

**NOTE:** Characteristics and requirements for compressed air pressure regulators (or filter regulators) are in accordance with ISO 6953-1:2000, Pneumatic fluid power – Compressed air pressure regulators and filter-regulators – Part 1

