LYNSA
Soluciones Industriales

POWER-GENEX®

# FR Series

## Filter Regulator

**All innovation**
**on driving your valve automation**

www.lynsa.com

# Air Filter Regulator
(with 1/4 ports)

***Valve air unit essential to provide clean and dry supply air to valve positioners, solenoid valves and pneumatic actuators***

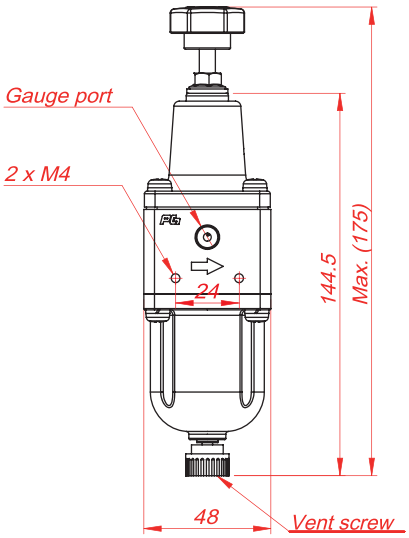
## Features

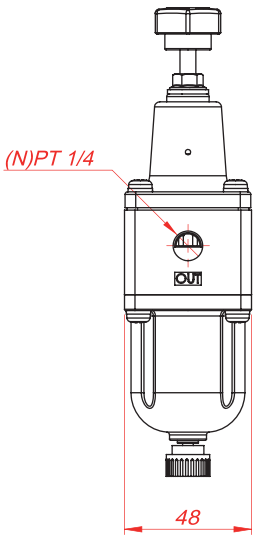
- Rugged aluminum die-cast housing
- Optional stainless steel 316 housing
- Stable setting pressure
- High capacity with 5 micron filter
- Self-relief function to balance output and settnig pressures
- High flow capacity

## Specifications

| Model | FR-10 | FR-11 |
|---|---|---|
| Port Size | PT(Rc) 1/4 or NPT 1/4 | NPT 1/4 |
| Fluid | Air | |
| Output Pressure Range | 0 - 4 bar (60 psi) / 0 - 8 bar (120 psi) | |
| Max. Supply Pressure | 15 bar (225 psi) | |
| Operating and Fluid Temperature | -20℃ to +70℃ | |
| Supply Air | Filtered compressed, dry and non oiled air (up to 5 micron) | |
| Gauge Port Size | PT(Rc) 1/8 | |
| Filteration | 5 micon | |
| Housing Material | Aluminum die-cast | Stainless steel 316 |
| Pressure Gauge Material | Stainless steel | |
| Weight | 0.5 kg | 1 kg |

## Dimensions




## How to Order

**FR** [Body Material] - [Port Size] [Output Pressure Range]

| Description | Code |
|---|---|
| **Body Material** | 10 : Aluminum die-cast<br>11 : Stainless steel 316 |
| **Port Size** | R : PT(Rc) 1/4<br>N : NPT 1/4 |
| **Output Pressure Range** | 1 : 0 - 4 bar (60 psi)<br>2 : 0 - 8 bar (120 psi) |

# Air Filter Regulator
(with 1/4 ports)

***Valve air unit essential to provide clean and dry supply air to valve positioners, solenoid valves and pneumatic actuators***

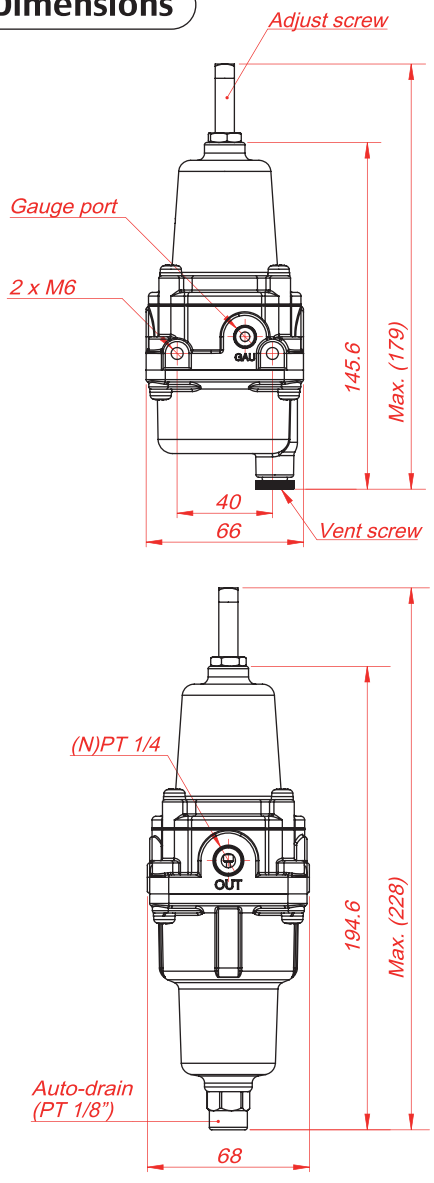
## Features

- Rugged aluminum die-cast or stainless steel 316 housing
- Excellent stability and repeatability
- Outstanding sensitivity with precise setting
- High capacity with 5 micron filter
- Self-relief function to balance output and settnig pressures
- High flow capacity
- Optional auto-drain (float type)

## Specifications

| Model | FR-20 | FR-21 |
|---|---|---|
| Port Size | PT(Rc) 1/4 or NPT 1/4 | NPT 1/4 |
| Fluid | Air | |
| Output Pressure Range | 0 - 4 bar (60 psi) / 0 - 8 bar (120 psi) | |
| Max. Supply Pressure | 15 bar (225 psi) | |
| Operating and Fluid Temperature | -20℃ to +70℃ | |
| Supply Air | Filtered compressed, dry and non oiled air (up to 5 micron) | |
| Gauge Port Size | PT(Rc) 1/8 | |
| Filteration | 5 micon | |
| Housing Material | Aluminum die-cast | Stainless steel 316 |
| Pressure Gauge Material | Stainless steel | |
| Weight | 0.65 kg | 1.4 kg |

## Dimensions




## How to Order

| FR | Body Material | - | Port Size | Output Pressure Range | Operating Temp. | - | Options |
|---|---|---|---|---|---|---|---|

| Description | Code | |
|---|---|---|
| **Body Material** | 20 : Aluminum die-cast<br>21 : Stainless steel 316 | |
| **Port Size** | R : PT(Rc) 1/4 | N : NPT 1/4 |
| **Output Pressure Range** | 1 : 0 - 4 bar (60 psi) | 2 : 0 - 8 bar (120 psi) |
| **Operating Temperature** | 0 : -20 - +70℃<br>2 : -40 - +80 ℃ | 1 : -20 - +120℃ |
| **Options** | M : Manual drain | A : Auto drain |

# Air Filter Regulator
(with 1/2 or 3/4 ports)

***Valve air unit essential to provide clean and dry supply air to valve positioners, solenoid valves and pneumatic actuators***

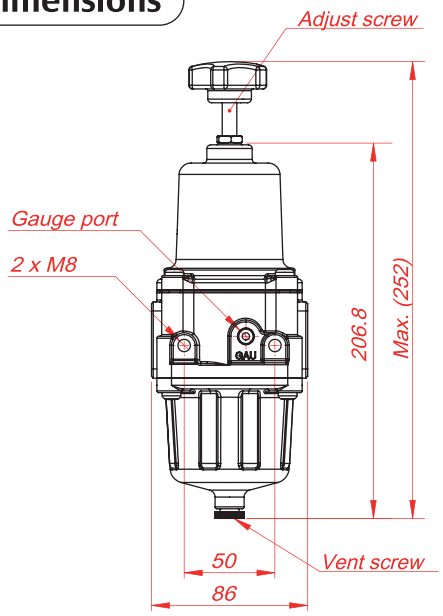
## Features

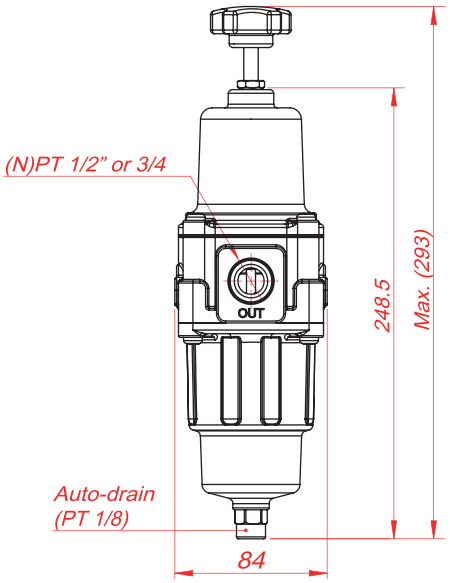
- Rugged aluminum die-cast or stainless steel 316 housing
- Excellent stability and repeatability
- Outstanding sensitivity with precise setting
- High capacity with 5 micron filter
- Self-relief function to balance output and settnig pressures
- High flow capacity
- Optional auto-drain (float type)

## Specifications

| Model | FR-30 | FR-31 |
|---|---|---|
| Port Size | PT(Rc) 1/2, NPT 1/2<br>PT(Rc) 3/4, NPT 3/4 | NPT 1/2<br>NPT 3/4 |
| Fluid | Air | |
| Output Pressure Range | 0 - 4 bar (60 psi) / 0 - 8 bar (120 psi) | |
| Max. Supply Pressure | 15 bar (225 psi) | |
| Operating Temperature | -20℃ to +70℃ | |
| Supply Air | Filtered compressed, dry and non oiled air (up to 5 micron) | |
| Gauge Port Size | PT(Rc) 1/8 | |
| Filteration | 5 micon | |
| Housing Material | Aluminum die-cast | Stainless steel 316 |
| Pressure Gauge Material | Stainless steel | |
| Weight | 1.6 kg | 3.4 kg |

## Dimensions




## How to Order

**FR** | Body Material | - | Port Size | Output Pressure Range | Operating Temp. | - | Options

| Description | Code | |
|---|---|---|
| **Body Material** | 30 : Aluminum die-cast | |
| | 31 : Stainless steel 316 | |
| **Port Size** | 1 : PT (Rc) 1/2 | 2 : NPT 1/2 |
| | 3 : PT (Rc) 3/4 | 4 : NPT 3/4 |
| **Output Pressure Range** | 1 : 0 - 4 bar (60 psi) | 2 : 0 - 8 bar (120 psi) |
| **Operating Temperature** | 0 : -20 - +70℃ | 1 : -20 - +120℃ |
| | 2 : -40 - +80℃ | |
| **Options** | M : Manual drain | A : Auto drain |