

## Wilkerson FRLs

### X03-Series Manual In-Line Desiccant Dryers

#### Applications

- Manual air dryers are used to remove water vapor from compressed air systems, in applications such as paint spraying, laboratory instruments and small control air systems. Filtration for absorber type dryers is important to protect the desiccant bed from contamination. Cleaner incoming air will result in better performance, longer life, and fewer service problems. To regenerate silica gel desiccant, it must be heated to at least **350°F (177°C)** for approximately 3 hours or until color has changed from pink to blue. Allow desiccant to cool to room temperature before pouring back into unit bowl.
- An after-filter should be placed downstream from the desiccant dryer to ensure solid contaminants such as desiccant dust do not migrate downstream



#### Features

- Will dry up to 4,400 standard cubic feet of air
- Desiccant; good for approximately 440 minutes at maximum continuous air flow before regeneration is required
- Supplied with two bags of silica gel, which changes from blue to pink to indicate the need to replace or regenerate the desiccant. See page 312 for refills.
- Slotted bowl guard for visual detection of color change
- No electrical connection necessary

#### Specifications

- Provides atmospheric dew point of **-45°F (-43°C)** with dry desiccant at **100 PSI** and **70°F (21°C)**
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **125°F (52°C)**
  - metal bowl: 150 PSIG (10.3 bar) and **150°F (66°C)**

| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|------|-------------|-------------------------|-------------------|
| 1/4" | 10          | X03-02                  | X03-02MB          |

### R21-Series Dial Air Regulators

#### Applications

- Dial-air regulators feature a transparent, pressure-calibrated, non-rising adjustment dial for quick adjustment of secondary pressure. The full reduced pressure range can be dialed in less than 270° of dial rotation. This feature is particularly advantageous if secondary pressure must be changed frequently. Dial air regulators can be mounted in any position so dial face is always visible. All dial-air units have a slight constant air bleed.

#### Features

- 0-160 PSI** adjusting range
- Balanced valve design
- Relieving type
- Non-rising pressure adjusting dial
- Piston operated
- Two -1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports.
- Models supplied without gauge use a GC235 gauge

#### Specifications

- Maximum operating pressure: 300 PSIG (20.7 bar)
- Temperature range: **32°F to 150°F (0°C to 66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|------|-------------|-------------------|----------------------|
| 1/4" | 117         | R21-02RG          | R21-02R              |
| 3/8" | 180         | R21-03RG          | R21-03R              |
| 1/2" | 195         | R21-04RG          | R21-04R              |
| 3/4" | 220         | R21-06RG          | R21-06R              |

NOTE: SCFM ratings at 100 PSIG inlet pressure.

See pages 312 - 316 for accessories.

FRLs are designed for air service only, unless otherwise indicated.



with transparent bowl

