

# Airpel<sup>®</sup> -FFR Product Specifications



PFRN3-1



SFRN3-1

| High Flow System Specifications  | System Components                |                                     |                    |                                |
|--|----------------------------------|-------------------------------------|--------------------|--------------------------------|
|  | High Precision Regulator         | Standard Regulator                  | 5 micron Filter    | 0.01 micron Coalescing Filter  |
| System # PFRN3-1 (NPT ports)   | PRN3-1                           | n/a                                 | F5N3-1             | FCN3-1                         |
| System # PFRG3-1 (G ports)   | PRG3-1                           | n/a                                 | F5G3-1             | FCG3-1                         |
| System # SFRN3-1 (NPT ports)   | n/a                              | SRN3-1                              | F5N3-1             | FCN3-1                         |
| System # SFRG3-1 (G ports)   | n/a                              | SRG3-1                              | F5G3-1             | FCG3-1                         |
| Working Fluid  | Clean Compressed Air             | Compressed Air                      | Compressed Air     | Compressed Air                 |
| Max. Working Pressure  | 150 psi / 1 MPa                  | 150 psi / 1 MPa                     | 150 psi / 1 MPa    | 15 to 150 psi / 0.1 to 1.0 MPa |
| Min. Working Pressure  | Set Pressure +14.5 psi / 0.1 MPa | n/a                                 | n/a                | n/a                            |
| Withstanding Pressure  | 220 psi / 1.5 MPa                | 220 psi / 1.5 MPa                   | 220 psi / 1.5 MPa  | 220 psi / 1.5 MPa              |
| Ambient Temp. Range/Fluid temp.  | -5 to 60 °C (to be unfrozen)     | 5 to 60 °C                          | 5 to 60 °C         | 5 to 60 °C                     |
| Set Pressure Range   | 5 to 120 psi / 0.03 to 0.85 MPa  | 7 to 120 psi / 0.05 to 0.85 MPa     | n/a                | n/a                            |
| Sensitivity  | .25 psi / 0.0017 MPa             | n/a                                 | n/a                | n/a                            |
| Repeatability  | .63 psi / 0.0043 MPa             | n/a                                 | n/a                | n/a                            |
| Air Consumption  | ≤ 5 Std. L/min                   | n/a                                 | n/a                | n/a                            |
| Filtration Rating  | n/a                              | n/a                                 | 5 micron           | 0.01 micron                    |
| Relief Mechanism   | Included                         | Included                            | n/a                | n/a                            |
| Drain Capacity   | n/a                              | n/a                                 | 45 cm <sup>3</sup> | 45 cm <sup>3</sup>             |
| Port Size NPT or G   | 3/8                              | 3/8                                 | 3/8                | 3/8                            |
| Product Weight   | 470 g                            | 450 g                               | 250 g              | 280 g                          |
| Standard Accessories   | n/a                              | Pressure gauge, nut for panel mount | Bowl Guard         | Bowl Guard                     |
| Maximum Flow Rate Primary Side Pressure 0.7 MPa / Pressure Drop 0.01 MPa | n/a                              | n/a                                 | 360 Std. L/min     | 360 Std. L/min                 |
| Secondary Side Oil Concentration   | n/a                              | n/a                                 | n/a                | ≤ 0.01 mg/m <sup>3</sup>       |

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