

# Airpel® -FFR Product Specifications



PFRN1-1



SFRN1-1

Compact System Specifications	System Components				
	High Precision Regulator (60 psi / 0.4 MPa)	High Precision Regulator (100 psi / 0.7 MPa)	Standard Regulator (120 psi / 0.85 MPa)	5 micron Filter	0.01 micron Coalescing Filter
System # PFRN1-1 (NPT ports)	PRN1-1	n/a	n/a	F5N1-1	FCN1-1
System # PFRG1-1 (G ports)	PRG1-1	n/a	n/a	F5G1-1	FCG1-1
System # PFRN1-2 (NPT ports)	n/a	PRN1-2	n/a	F5N1-1	FCN1-1
System # PFRG1-2 (G ports)	n/a	PRG1-2	n/a	F5G1-1	FCG1-1
System # SFRN1-1 (NPT ports)	n/a	n/a	SRN1-1	F5N1-1	FCN1-1
System # SFRG1-1 (G ports)	n/a	n/a	SRG1-1	F5G1-1	FCG1-1
Working Fluid	Clean Compressed Air	Clean Compressed Air	Compressed Air	Compressed Air	Compressed Air
Max. Working Pressure	150 psi / 1 MPa	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 + 15 psi / 0.1 MPa	Set Pressure + 15 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	220 psi / 1.5 MPa
Ambient Temp. Range/Fluid temp.	-5 to 60 °C (to be unfrozen)	-5 to 60 °C (to be unfrozen)	5 to 60 °C	5 to 60 °C	5 to 60 °C
Set Pressure Range	.7 psi to 60 psi / 0.005 to 0.4 MPa	.7 psi to 100 psi / 0.005 to 0.7 MPa	7 psi to 120 psi / 0.05 to 0.85 MPa	n/a	n/a
Sensitivity	.06 psi / 0.0004 MPa	.06 psi / 0.0004 MPa	n/a	n/a	n/a
Repeatability	.3 psi / 0.002 MPa	.3 psi / 0.002 MPa	n/a	n/a	n/a
Air Consumption	≤ 1.3 Std. L/min	≤ 1.3 Std. L/min	n/a	n/a	n/a
Filtration Rating	n/a	n/a	n/a	5 micron	0.01 micron
Relief Mechanism	Included	Included	Included	n/a	n/a
Drain Capacity	n/a	n/a	n/a	12 cm <sup>3</sup>	3 cm <sup>3</sup>
Port Size NPT or G	1/4	1/4	1/4	1/4	1/4
Product Weight	250 g	250 g	160 g	87 g	96 g
Standard Accessories	n/a	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	n/a	150 Std. L/min	150 Std. L/min
Secondary Side Oil Concentration	n/a	n/a	n/a	n/a	≤ 0.01 mg/m <sup>3</sup>

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PUB# FFRRS-04R

# 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>