

RSS Airdryer Series

Refrigerated Airdryer

| Model | Air Connection | Capacity | | Dimension (mm) | | | Weight (kg) | Suggested pre-filter model | Suggested After-Filter Mode |
|--------|----------------|---------------------|-----|------------------|-----|-----|-------------|----------------------------|-----------------------------|
| | | m ³ /min | CFM | L | W | H | | | |
| RSS-06 | Rc1/2" | 0.6 | 21 | 500 | 250 | 500 | 25 | RPF-AO-17 | RPF-AA-17 |
| RSS-09 | Rc1/2" | 0.9 | 32 | 500 | 250 | 500 | 25 | RPF-AO-17 | RPF-AA-17 |
| RSS-12 | Rc1/2" | 1.2 | 42 | 600 | 310 | 500 | 30 | RPF-AO-30 | RPF-AA-30 |
| RSS-15 | Rc1/2" | 1.5 | 53 | 600 | 310 | 500 | 30 | RPF-AO-30 | RPF-AA-30 |
| RSS-18 | Rc1/2" | 1.8 | 64 | 600 | 310 | 500 | 30 | RPF-AO-30 | RPF-AA-30 |
| RSS-24 | Rc3/4" | 2.4 | 85 | 750 | 360 | 550 | 50 | RPF-AO-58 | RPF-AA-58 |
| RSS-30 | Rc3/4" | 3 | 106 | 750 | 360 | 550 | 50 | RPF-AO-58 | RPF-AA-58 |
| RSS-36 | Rc3/4" | 3.6 | 127 | 750 | 360 | 550 | 55 | RPF-AO-58 | RPF-AA-58 |
| RSS-40 | Rc3/4" | 4 | 141 | 750 | 360 | 550 | 55 | RPF-AO-80 | RPF-AA-80 |

Correction Factors

$$\text{Corrected Capacity (m}^3\text{/min)} = \text{Nominal Capacity} \times F1 \times F2 \times F3$$

| Operating Pressure (F1) | Barg | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-------------------------|------|------|------|------|------|------|------|------|
| | F1 | 0.76 | 0.86 | 0.92 | 0.93 | 1 | 1.04 | 1.08 |
| | Barg | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | F1 | 1.11 | 1.15 | 1.18 | 1.22 | 1.25 | 1.28 | 232 |

| Compressed air Inlet Temperature (F2) | °C | 35 | 38 | 40 | 46 | 49 | 54 | 60 |
|---------------------------------------|----|------|-----|------|------|------|------|------|
| | °F | 95 | 100 | 104 | 115 | 120 | 129 | 140 |
| | F2 | 1.11 | 1 | 0.92 | 0.76 | 0.69 | 0.56 | 0.46 |

| Ambient Temperature (F3) | °C | 25 | 30 | 35 | 38 | 40 | 45 | 50 |
|--------------------------|----|------|-----|------|-----|------|------|------|
| | °F | 77 | 86 | 95 | 100 | 104 | 113 | 122 |
| | F3 | 1.15 | 1.1 | 1.02 | 1 | 0.89 | 0.79 | 0.69 |