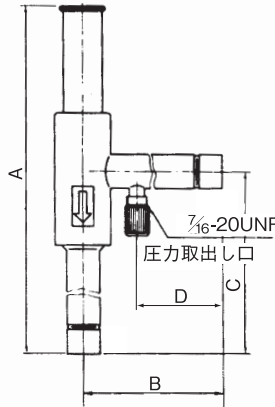


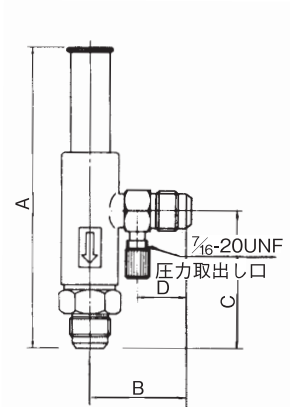


SRJ形吸入圧力調整弁

- 吸入圧力が設定圧力より高くないよう制御します。
- 圧縮機の起動時、吸入圧力を設定圧力まで速やかに降下させ負荷を軽減します。
- 冷凍機の運転休止時、圧縮機内に多量の液冷媒が流れ込むのを防止します。
- 使用冷媒はR134a、R404A、R407C、R448A、R449A、R407Hです。



SRJ-Y形



SRJ-F形

仕様

| 形式 | 最高使用圧力 MPaG | 気密圧力 MPaG | 調節範囲 MPaG | 最高使用流体温度 ℃ | 工場出荷設定値 MPaG | 寸法 mm | | | | 接続 | | 質量 g | | | | |
|-----------|----------------|--------------|--------------|---------------|-----------------|-------|-----|-----|----|-----------------|-----|---------|----|--------------|-----|------|
| | | | | | | A | B | C | D | 配管径 mm (インチ) | 形状 | | | | | |
| SRJ-4F | 2.5 | 3.0 | 0.05~0.69 | 100 | 0.2 | 171 | 51 | 77 | 25 | 12.7 (1/2) | フレア | 500 | | | | |
| SRJ-5F | | | | | | 173 | 54 | 79 | 27 | 15.9 (5/8) | | 550 | | | | |
| SRJ-6F | | | | | | 177 | 89 | 83 | 31 | 19.1 (3/4) | | 600 | | | | |
| SRJ-4Y | | | | | | 245 | 133 | 151 | 83 | 321 | 145 | 196 | 85 | 12.7 (1/2) | ろう付 | 500 |
| SRJ-5Y | | | | | | | | | | | | | | 15.9 (5/8) | | 550 |
| SRJ-6Y | | | | | | | | | | | | | | 19.1 (3/4) | | 600 |
| SRJ-7Y | | | | | | | | | | | | | | 22.2 (7/8) | | 600 |
| SRJ-8Y-1 | | | | | | | | | | | | | | 25.4 (1) | | 1200 |
| SRJ-9Y-1 | | | | | | | | | | | | | | 28.6 (1 1/8) | | 1200 |
| SRJ-11Y-1 | | | | | | | | | | | | | | 34.9 (1 3/8) | | 1250 |

- 圧力調整：SRJ-4~7 …約0.06MPa/1回転
- SRJ-8~9 …約0.04MPa/1回転
- 調節ネジを時計方向に回すと圧力が上昇します。

SRJ形 吸入圧力調整弁
容量変化表 (kW)

| 形式 | 使用冷媒 | 吸入圧力 MPaG | 飽和温度 ℃ | 弁前後の圧力差 MPa(hPa) | | | | | | | | | | | | | | | | | | | |
|--|-------|--------------|-----------|------------------|------|------|------|-----------|------|------|------|------------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | 0.003(30) | | | | 0.007(70) | | | | 0.013(130) | | | | | | | | | | | |
| | | | | 設定圧力 MPaG | | | | | | | | | | | | | | | | | | | |
| | | | | 0.07 | 0.14 | 0.21 | 0.27 | 0.34 | 0.41 | 0.07 | 0.14 | 0.21 | 0.27 | 0.34 | 0.41 | 0.07 | 0.14 | 0.21 | 0.27 | 0.34 | 0.41 | | |
| SRJ-4F SRJ-5F SRJ-6F SRJ-4Y SRJ-5Y SRJ-6Y SRJ-7Y | R134a | 0 | -26 | 1.2 | 2.1 | 2.5 | 2.6 | 2.6 | 2.6 | 2.6 | 1.7 | 2.9 | 3.5 | 3.7 | 3.7 | 3.7 | 2.4 | 4.1 | 4.9 | 5.2 | 5.2 | 5.2 | |
| | | 0.07 | -14 | - | 1.7 | 2.8 | 3.4 | 4.0 | 4.2 | - | 2.4 | 3.9 | 4.8 | 5.0 | 5.0 | - | 3.3 | 5.6 | 6.7 | 7.0 | 7.0 | 7.0 | |
| | | 0.14 | -6 | - | - | 2.0 | 3.4 | 4.0 | 4.2 | - | - | 2.8 | 4.7 | 5.7 | 5.9 | - | - | 4.0 | 6.8 | 8.0 | 8.5 | 8.5 | |
| | | 0.21 | 1 | - | - | - | 2.4 | 3.9 | 4.4 | - | - | - | 3.3 | 5.6 | 6.7 | - | - | - | 4.7 | 7.9 | 9.4 | 9.4 | |
| | | 0.27 | 7 | - | - | - | - | 2.7 | 4.6 | - | - | - | - | 3.9 | 6.6 | - | - | - | - | 5.5 | 9.4 | 9.4 | |
| | | 0.34 | 12 | - | - | - | - | - | 3.2 | - | - | - | - | - | 4.6 | - | - | - | - | - | - | 6.5 | 6.5 |
| | | 0 | -26 | 3.2 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 4.5 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 6.1 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| SRJ-8Y-1 SRJ-9Y-1 SRJ-11Y-1 | R134a | 0.07 | -14 | - | 4.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | - | 6.0 | 10.3 | 10.3 | 10.3 | 10.3 | - | 8.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 |
| | | 0.14 | -6 | - | - | 5.1 | 8.8 | 8.8 | 8.8 | 8.8 | - | - | 7.2 | 12.4 | 12.4 | 12.4 | - | - | 10.0 | 17.3 | 17.3 | 17.3 | |
| | | 0.21 | 1 | - | - | - | 6.0 | 10.3 | 10.3 | 10.3 | - | - | - | 8.5 | 14.6 | 14.6 | - | - | - | 11.7 | 20.3 | 20.3 | |
| | | 0.27 | 7 | - | - | - | - | 7.1 | 12.1 | 12.1 | - | - | - | - | 10.7 | 17.1 | - | - | - | - | 13.9 | 24.0 | |
| | | 0.34 | 12 | - | - | - | - | - | 8.4 | 14.6 | 14.6 | - | - | - | - | 11.9 | - | - | - | - | - | 16.4 | |

SRJ形 吸入圧力調整弁
容量変化表 (kW)

| 形式 | 使用冷媒 | 吸入圧力 MPaG | 飽和温度 °C | 弁前後の圧力差 MPa(hPa) | | | | | | | | | | | | | | | | | | | | |
|--|-------|-----------------------------------|---------|------------------|------|------|------|------|------|-----------|------|------|------|------|------|------------|------|------|------|------|------|------|-----|-----|
| | | | | 0.003(30) | | | | | | 0.007(70) | | | | | | 0.013(130) | | | | | | | | |
| | | | | 設定圧力 MPaG | | | | | | | | | | | | | | | | | | | | |
| | | | | 0.07 | 0.14 | 0.21 | 0.27 | 0.34 | 0.41 | 0.07 | 0.14 | 0.21 | 0.27 | 0.34 | 0.41 | 0.07 | 0.14 | 0.21 | 0.27 | 0.34 | 0.41 | | | |
| SRJ-4F SRJ-5F SRJ-6F SRJ-4Y SRJ-5Y SRJ-6Y SRJ-7Y | R404A | 0 | -47 | 0.8 | 1.3 | 1.6 | 1.7 | 1.7 | 1.7 | 1.1 | 1.8 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 1.5 | 2.6 | 3.1 | 3.3 | 3.3 | 3.3 | 3.3 | |
| | | 0.07 | -33 | - | 1.1 | 1.8 | 2.2 | 2.3 | 2.3 | - | 1.5 | 2.6 | 3.1 | 3.3 | 3.3 | - | 2.2 | 3.7 | 4.4 | 4.6 | 4.6 | 4.6 | 4.6 | |
| | | 0.14 | -27 | - | - | 1.3 | 2.3 | 2.7 | 2.8 | - | - | 1.9 | 3.2 | 3.8 | 3.9 | - | - | 2.6 | 4.5 | 5.3 | 5.7 | 5.7 | 5.7 | |
| | | 0.21 | -20 | - | - | - | 1.6 | 2.7 | 2.9 | - | - | - | 2.2 | 3.7 | 4.5 | - | - | - | 3.2 | 5.3 | 6.3 | 6.3 | 6.3 | |
| | | 0.27 | -14 | - | - | - | - | 1.9 | 3.2 | - | - | - | - | 2.6 | 4.5 | - | - | - | - | 3.8 | 6.4 | 6.4 | 6.4 | |
| | | 0.34 | -10 | - | - | - | - | - | 2.2 | - | - | - | - | - | 3.1 | - | - | - | - | - | 4.5 | 4.5 | 4.5 | 4.5 |
| | | SRJ-8Y-1 SRJ-9Y-1 SRJ-11Y-1 | 0 | -47 | 2.0 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 2.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.9 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 0.07 | -33 | - | 2.8 | 4.7 | 4.7 | 4.7 | 4.7 | - | 3.9 | 6.7 | 6.7 | 6.7 | 6.7 | - | 5.5 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | | |
| 0.14 | -27 | - | - | 3.4 | 5.8 | 5.8 | 5.8 | - | - | 4.8 | 8.2 | 8.2 | 8.2 | - | - | 6.6 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | | |
| 0.21 | -20 | - | - | - | 4.0 | 6.9 | 6.9 | - | - | - | 5.7 | 9.8 | 9.8 | - | - | - | 7.9 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | | |
| 0.27 | -14 | - | - | - | - | 4.9 | 8.2 | - | - | - | - | 6.8 | 11.6 | - | - | - | - | 9.4 | 16.3 | 16.3 | 16.3 | 16.3 | | |
| 0.34 | -10 | - | - | - | - | - | 5.8 | - | - | - | - | - | 8.1 | - | - | - | - | - | 11.2 | 11.2 | 11.2 | 11.2 | | |
| SRJ-4F SRJ-5F SRJ-6F SRJ-4Y SRJ-5Y SRJ-6Y SRJ-7Y | R407C | 0 | -44 | 1.0 | 1.7 | 2.1 | 2.2 | 2.2 | 1.4 | 2.3 | 3.1 | 3.3 | 3.3 | 3.3 | 1.9 | 3.3 | 4.3 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | |
| | | 0.07 | -32 | - | 1.4 | 2.3 | 2.8 | 3.0 | 3.0 | - | 1.9 | 3.4 | 4.1 | 4.8 | 4.8 | - | 2.8 | 4.8 | 5.8 | 6.7 | 6.7 | 6.7 | 6.7 | |
| | | 0.14 | -24 | - | - | 1.7 | 3.0 | 3.5 | 3.6 | - | - | 2.4 | 4.1 | 4.9 | 5.6 | - | - | 3.3 | 5.8 | 6.8 | 8.2 | 8.2 | 8.2 | |
| | | 0.21 | -17 | - | - | - | 2.1 | 3.5 | 3.7 | - | - | - | 2.8 | 4.8 | 5.8 | - | - | - | 4.1 | 6.8 | 8.1 | 8.1 | 8.1 | |
| | | 0.27 | -12 | - | - | - | - | 2.5 | 4.1 | - | - | - | - | 3.4 | 5.8 | - | - | - | - | 4.9 | 8.3 | 8.3 | 8.3 | |
| | | 0.34 | -7 | - | - | - | - | - | 2.8 | - | - | - | - | - | 4.0 | - | - | - | - | - | 5.8 | 5.8 | 5.8 | 5.8 |
| | | SRJ-8Y-1 SRJ-9Y-1 SRJ-11Y-1 | 0 | -44 | 2.6 | 4.4 | 4.4 | 4.4 | 4.4 | 3.6 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 5.0 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 0.07 | -32 | - | 3.6 | 6.1 | 6.1 | 6.1 | 6.1 | - | 5.0 | 8.6 | 8.6 | 8.6 | 8.6 | - | 7.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | | |
| 0.14 | -24 | - | - | 4.4 | 7.5 | 7.5 | 7.5 | - | - | 6.2 | 10.5 | 10.5 | 10.5 | - | - | 8.5 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | | |
| 0.21 | -17 | - | - | - | 5.1 | 8.9 | 8.9 | - | - | - | 7.3 | 12.6 | 12.6 | - | - | - | 10.2 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | | |
| 0.27 | -12 | - | - | - | - | 6.3 | 10.6 | - | - | - | - | 8.8 | 15.0 | - | - | - | - | 12.1 | 21.1 | 21.1 | 21.1 | 21.1 | | |
| 0.34 | -7 | - | - | - | - | - | 7.5 | - | - | - | - | - | 10.5 | - | - | - | - | - | 14.5 | 14.5 | 14.5 | 14.5 | | |
| SRJ-4F SRJ-5F SRJ-6F SRJ-4Y SRJ-5Y SRJ-6Y SRJ-7Y | R448A | 0 | -40 | 1.0 | 1.5 | 1.9 | 2.0 | 2.0 | 1.3 | 2.1 | 2.9 | 3.1 | 3.1 | 3.1 | 1.8 | 3.1 | 4.1 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | |
| | | 0.07 | -29 | - | 1.3 | 2.2 | 2.6 | 2.7 | 2.7 | - | 1.8 | 3.1 | 3.8 | 4.4 | 4.4 | - | 2.6 | 4.4 | 5.4 | 6.2 | 6.2 | 6.2 | 6.2 | |
| | | 0.14 | -20 | - | - | 1.5 | 2.7 | 3.2 | 3.3 | - | - | 2.3 | 3.8 | 4.5 | 5.2 | - | - | 3.1 | 5.4 | 6.3 | 7.6 | 7.6 | 7.6 | |
| | | 0.21 | -14 | - | - | - | 1.9 | 3.2 | 3.5 | - | - | - | 2.6 | 4.4 | 5.4 | - | - | - | 3.8 | 6.3 | 7.5 | 7.5 | 7.5 | |
| | | 0.27 | -9 | - | - | - | - | 2.3 | 3.8 | - | - | - | - | 3.1 | 5.4 | - | - | - | - | 4.5 | 7.7 | 7.7 | 7.7 | |
| | | 0.34 | -5 | - | - | - | - | - | 2.6 | - | - | - | - | - | 3.7 | - | - | - | - | - | 5.4 | 5.4 | 5.4 | 5.4 |
| | | SRJ-8Y-1 SRJ-9Y-1 SRJ-11Y-1 | 0 | -40 | 2.4 | 4.0 | 4.0 | 4.0 | 4.0 | 3.3 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 4.7 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 0.07 | -29 | - | 3.3 | 5.6 | 5.6 | 5.6 | 5.6 | - | 4.7 | 8.0 | 8.0 | 8.0 | 8.0 | - | 6.6 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | | |
| 0.14 | -20 | - | - | 4.0 | 6.9 | 6.9 | 6.9 | - | - | 5.7 | 9.8 | 9.8 | 9.8 | - | - | 7.9 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | | |
| 0.21 | -14 | - | - | - | 4.8 | 8.2 | 8.2 | - | - | - | 6.8 | 11.7 | 11.7 | - | - | - | 9.4 | 16.2 | 16.2 | 16.2 | 16.2 | 16.2 | | |
| 0.27 | -9 | - | - | - | - | 5.9 | 9.8 | - | - | - | - | 8.1 | 13.9 | - | - | - | - | 11.2 | 19.5 | 19.5 | 19.5 | 19.5 | | |
| 0.34 | -5 | - | - | - | - | - | 6.9 | - | - | - | - | - | 9.7 | - | - | - | - | - | 13.4 | 13.4 | 13.4 | 13.4 | | |
| SRJ-4F SRJ-5F SRJ-6F SRJ-4Y SRJ-5Y SRJ-6Y SRJ-7Y | R449A | 0 | -40 | 0.9 | 1.5 | 1.9 | 2.0 | 2.0 | 1.3 | 2.1 | 2.8 | 3.0 | 3.0 | 3.0 | 1.8 | 3.1 | 4.0 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | |
| | | 0.07 | -29 | - | 1.3 | 2.1 | 2.6 | 2.7 | 2.7 | - | 1.8 | 3.1 | 3.8 | 4.4 | 4.4 | - | 2.6 | 4.4 | 5.4 | 6.1 | 6.1 | 6.1 | 6.1 | |
| | | 0.14 | -20 | - | - | 1.5 | 2.7 | 3.2 | 3.3 | - | - | 2.2 | 3.8 | 4.5 | 5.2 | - | - | 3.1 | 5.3 | 6.3 | 7.5 | 7.5 | 7.5 | |
| | | 0.21 | -14 | - | - | - | 1.9 | 3.2 | 3.4 | - | - | - | 2.6 | 4.4 | 5.3 | - | - | - | 3.8 | 6.3 | 7.4 | 7.4 | 7.4 | |
| | | 0.27 | -9 | - | - | - | - | 2.2 | 3.8 | - | - | - | - | 3.1 | 5.3 | - | - | - | - | 4.5 | 7.6 | 7.6 | 7.6 | |
| | | 0.34 | -4 | - | - | - | - | - | 2.6 | - | - | - | - | - | 3.7 | - | - | - | - | - | 5.3 | 5.3 | 5.3 | 5.3 |
| | | SRJ-8Y-1 SRJ-9Y-1 SRJ-11Y-1 | 0 | -40 | 2.3 | 4.0 | 4.0 | 4.0 | 4.0 | 3.3 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 4.6 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 0.07 | -29 | - | 3.3 | 5.6 | 5.6 | 5.6 | 5.6 | - | 4.6 | 7.9 | 7.9 | 7.9 | 7.9 | - | 6.5 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | | |
| 0.14 | -20 | - | - | 4.0 | 6.8 | 6.8 | 6.8 | - | - | 5.7 | 9.7 | 9.7 | 9.7 | - | - | 7.8 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | | |
| 0.21 | -14 | - | - | - | 4.7 | 8.1 | 8.1 | - | - | - | 6.7 | 11.6 | 11.6 | - | - | - | 9.3 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | | |
| 0.27 | -9 | - | - | - | - | 5.8 | 9.7 | - | - | - | - | 8.0 | 13.7 | - | - | - | - | 11.1 | 19.3 | 19.3 | 19.3 | 19.3 | | |
| 0.34 | -4 | - | - | - | - | - | 6.8 | - | - | - | - | - | 9.6 | - | - | - | - | - | 13.2 | 13.2 | 13.2 | 13.2 | | |
| SRJ-4F SRJ-5F SRJ-6F SRJ-4Y SRJ-5Y SRJ-6Y SRJ-7Y | R407H | 0 | -38 | 1.1 | 1.7 | 2.1 | 2.3 | 2.3 | 1.5 | 2.4 | 3.2 | 3.4 | 3.4 | 3.4 | 2.0 | 3.5 | 4.5 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | |
| | | 0.07 | -26 | - | 1.5 | 2.4 | 2.9 | 3.1 | 3.1 | - | 2.0 | 3.5 | 4.3 | 4.9 | 4.9 | - | 2.9 | 4.9 | 6.0 | 6.9 | 6.9 | 6.9 | 6.9 | |
| | | 0.14 | -18 | - | - | 1.7 | 3.1 | 3.6 | 3.7 | - | - | 2.5 | 4.2 | 5.1 | 5.8 | - | - | 3.5 | 6.0 | 7.1 | 8.5 | 8.5 | 8.5 | |
| | | 0.21 | -12 | - | - | - | 2.1 | 3.6 | 3.9 | - | - | - | 2.9 | 4.9 | 6.0 | - | - | - | 4.3 | 7.0 | 8.4 | 8.4 | 8.4 | |
| | | 0.27 | -7 | - | - | - | - | 2.5 | 4.3 | - | - | - | - | 3.5 | 6.0 | - | - | - | - | 5.1 | 8.5 | 8.5 | 8.5 | |
| | | 0.34 | -3 | - | - | - | - | - | 2.9 | - | - | - | - | - | 4.1 | - | - | - | - | - | 6.0 | 6.0 | 6.0 | 6.0 |
| | | SRJ-8Y-1 SRJ-9Y-1 SRJ-11Y-1 | 0 | -38 | 2.6 | 4.5 | 4.5 | 4.5 | 4.5 | 3.7 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 5.2 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 0.07 | -26 | - | 3.7 | 6.3 | 6.3 | 6.3 | 6.3 | - | 5.2 | 9.0 | 9.0 | 9.0 | 9.0 | - | 7.4 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | | |
| 0.14 | -18 | - | - | 4.5 | 7.7 | 7.7 | 7.7 | - | - | 6.4 | 10.9 | 10.9 | 10.9 | - | - | 8.8 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | | |
| 0.21 | -12 | - | - | - | 5.3 | 9.2 | 9.2 | - | - | - | 7.6 | 13.1 | 13.1 | - | - | - | 10.5 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | | |
| 0.27 | -7 | - | - | - | - | 6.5 | 10.9 | - | - | - | - | - | 9.1 | 15.5 | - | - | - | 12.6 | 21.8 | 21.8 | 21.8 | 21.8 | | |
| 0.34 | -3 | - | - | - | - | - | 7.7 | - | - | - | - | - | 10.8 | - | - | - | - | - | 14.9 | 14.9 | 14.9 | 14.9 | | |

圧力調整弁