

# Calcul des raccords frigorifiques A2L

Les systèmes split de INTARCON sont livrés certifiés en usine, avec une recharge de réfrigérant R-455A pour une longueur de tuyaux frigorifiques de 10 m.

Les unités de condensation sont équipées des vannes de service et des raccords de type Flare jusqu'à 3/4 "et à souder à partir de 7/8".

Il est recommandé d'utiliser les diamètres nominaux indiqués dans le tableau ci-dessous pour les tuyaux de liquide et de gaz, selon la longueur de la ligne frigorifique. Pour les longueurs supérieures à 10 m il faudra ajouter du réfrigérant et de l'huile de polyester (POE) dans les quantités indiquées dans le tableau.

| Modèle        | Raccords et diamètre de tuyaux liquide-gaz recommandés selon la longueur |                    |                 |             |             |             |             | Charge supplémentaire en g de réfrigérant / huile |           |             |             |            |
|---------------|--|--------------------|-----------------|-------------|-------------|-------------|-------------|---|-----------|-------------|-------------|------------|
|               | Raccords   | 5 m                | 10 m            | 15 m        | 20 m        | 25 m        | 30 m        | 15 m  | 20 m      | 25 m        | 30 m        |            |
| MOYENNE TEMP. | -018   | Flare 1/4"-1/2"    | 1/4"-1/2"       | 1/4"-1/2"   | 1/4"-1/2"   | 1/4"-1/2"   | 1/4"-1/2"   | 90 / 70   | 180 / 140 | 270 / 210   |             |            |
|               | -026   | Flare 3/8"-1/2"    | 3/8"-1/2"       | 3/8"-5/8"   | 3/8"-5/8"   | 3/8"-5/8"   | 3/8"-5/8"   | 250 / 200   | 500 / 400 | 750 / 600   | 1000 / 800  |            |
|               | -040   | Flare 3/8"-5/8"    | 3/8"-5/8"       | 3/8"-5/8"   | 3/8"-5/8"   | 3/8"-3/4"   | 3/8"-3/4"   | 250 / 200   | 540 / 420 | 810 / 630   | 1080 / 840  |            |
|               | -044   | Flare 3/8"-5/8"    | 3/8"-5/8"       | 3/8"-3/4"   | 3/8"-3/4"   | 3/8"-3/4"   | 3/8"-3/4"   | 270 / 210   | 540 / 420 | 810 / 630   | 1120 / 900  |            |
|               | -058   | Souder 3/8"-7/8"   | 3/8"-7/8"       | 3/8"-7/8"   | 3/8"-7/8"   | 3/8"-7/8"   | 1/2"-7/8"   | 280 / 225   | 560 / 450 | 1440 / 1140 | 1920 / 1520 |            |
|               | -009   | Flare 1/4"-3/8"    | 1/4"-3/8"       | 1/4"-3/8"   | 1/4"-3/8"   |             |             | 90 / 80   |           |             |             |            |
|               | -012   | Flare 1/4"-3/8"    | 1/4"-3/8"       | 1/4"-3/8"   | 1/4"-1/2"   | 1/4"-1/2"   |             | 95 / 85   | 190 / 170 |             |             |            |
|               | -018   | Flare 1/4"-1/2"    | 1/4"-1/2"       | 1/4"-1/2"   | 1/4"-1/2"   | 1/4"-1/2"   | 1/4"-1/2"   | 95 / 85   | 190 / 170 | 285 / 255   |             |            |
|               | -026   | Flare 1/4"-1/2"    | 1/4"-1/2"       | 1/4"-1/2"   | 1/4"-5/8"   | 1/4"-5/8"   | 1/4"-5/8"   | 100 / 90  | 200 / 180 | 300 / 270   | 400 / 360   |            |
|               | -034   | Flare 1/4"-1/2"    | 1/4"-1/2"       | 1/4"-1/2"   | 1/4"-5/8"   | 1/4"-5/8"   | 1/4"-5/8"   | 100 / 90  | 200 / 180 | 300 / 270   | 400 / 360   |            |
|               | -040   | Flare 1/4"-5/8"    | 1/4"-5/8"       | 1/4"-5/8"   | 3/8"-5/8"   | 3/8"-3/4"   | 3/8"-3/4"   | 250 / 225   | 520 / 460 | 780 / 690   | 1040 / 920  |            |
|               | BASSE TEMP.  | -040               | Flare 3/8"-5/8" | 3/8"-5/8"   | 3/8"-5/8"   | 3/8"-5/8"   | 3/8"-3/4"   | 3/8"-3/4"   | 250 / 225 | 520 / 460   | 780 / 690   | 1040 / 920 |
| -044          |  | Flare 3/8"-5/8"    | 3/8"-5/8"       | 3/8"-5/8"   | 3/8"-5/8"   | 3/8"-3/4"   | 3/8"-3/4"   | 250 / 225   | 500 / 450 | 780 / 690   | 1040 / 920  |            |
| -058          |  | Flare 3/8"-5/8"    | 3/8"-5/8"       | 3/8"-5/8"   | 3/8"-5/8"   | 3/8"-3/4"   | 3/8"-3/4"   | 250 / 225   | 520 / 460 | 780 / 690   | 1040 / 920  |            |
| -084          |  | Souder 1/2"-7/8"   | 1/2"-7/8"       | 1/2"-7/8"   | 1/2"-7/8"   | 1/2"-7/8"   | 1/2"-1 1/8" | 470 / 420   | 940 / 840 | 1470 / 1320 | 1960 / 1760 |            |
| -110          |  | Souder 1/2"-1 1/8" | 1/2"-1 1/8"     | 1/2"-1 1/8" | 1/2"-1 1/8" | 1/2"-1 1/8" | 1/2"-1 1/8" | 490 / 440   | 980 / 880 | 1470 / 1320 | 1960 / 1760 |            |
| -126          |  | Souder 1/2"-1 1/8" | 1/2"-1 1/8"     | 1/2"-1 1/8" | 1/2"-1 1/8" | 1/2"-1 1/8" | 1/2"-1 3/8" | 490 / 440   | 980 / 880 | 1530 / 1380 | 2040 / 1840 |            |
| -026          |  | Flare 1/4"-3/8"    | 1/4"-3/8"       | 1/4"-1/2"   | 1/4"-1/2"   | 1/4"-1/2"   | 1/4"-1/2"   | 90 / 95   | 180 / 190 | 270 / 285   | 360 / 380   |            |
| -034          |  | Flare 1/4"-1/2"    | 1/4"-1/2"       | 1/4"-1/2"   | 1/4"-5/8"   | 1/4"-5/8"   | 1/4"-5/8"   | 95 / 100  | 190 / 200 | 285 / 300   | 380 / 400   |            |
| -054          |  | Flare 1/4"-1/2"    | 1/4"-1/2"       | 1/4"-5/8"   | 1/4"-5/8"   | 1/4"-3/4"   | 1/4"-3/4"   | 95 / 100  | 200 / 210 | 300 / 315   | 400 / 420   |            |
| -068          |  | Flare 3/8"-5/8"    | 3/8"-5/8"       | 3/8"-3/4"   | 3/8"-3/4"   | 3/8"-3/4"   | 3/8"-7/8"   | 250 / 260   | 500 / 520 | 750 / 780   | 1000 / 1040 |            |
| -067          |  | Flare 1/4"-5/8"    | 1/4"-5/8"       | 1/4"-3/4"   | 1/4"-3/4"   | 1/4"-7/8"   | 1/4"-7/8"   | 100 / 105   | 200 / 210 | 300 / 315   | 400 / 420   |            |
| -067          |  | Flare 1/4"-7/8"    | 1/4"-7/8"       | 1/4"-7/8"   | 3/8"-7/8"   | 3/8"-7/8"   | 3/8"-7/8"   | 250 / 260   | 500 / 520 | 750 / 780   | 1080 / 1120 |            |
| -084          | Souder 3/8"-7/8"   | 3/8"-7/8"          | 3/8"-7/8"       | 3/8"-7/8"   | 3/8"-1 1/8" | 3/8"-1 1/8" | 250 / 260   | 540 / 560   | 810 / 840 | 1080 / 1120 |             |            |
| -120          | Souder 3/8"-1 1/8"   | 3/8"-1 1/8"        | 3/8"-1 1/8"     | 3/8"-1 1/8" | 3/8"-1 1/8" | 3/8"-1 1/8" | 270 / 280   | 540 / 560   | 810 / 840 | 1080 / 1120 |             |            |
| -169          | Souder 3/8"-1 1/8"   | 3/8"-1 1/8"        | 3/8"-1 1/8"     | 3/8"-1 3/8" | 3/8"-1 3/8" | 1/2"-1 3/8" | 280 / 290   | 560 / 580   | 840 / 870 | 1920 / 2000 |             |            |