

Calcul des raccords frigorifiques HFC

Les systèmes split de INTARCON sont livrés certifiés en usine, avec une recharge de réfrigérant R-134a ou R-449A 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			
R-134a	HAUTE TEMPÉRATURE	- 015	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"								
		- 026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"					125 / 100			
		- 033	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"				125 / 150	250 / 300	375 / 450	500 / 450
		- 053	Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"		300 / 200	600 / 400	900 / 600	1200 / 600
		- 074	Flare 3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"		300 / 200	600 / 400	900 / 600	1200 / 600
		- 086	Souder 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-11/8"		300 / 250	600 / 500	900 / 750	1200 / 750
		- 108	Souder 3/8"-7/8"	3/8"-7/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"		300 / 250	600 / 500	900 / 750	1200 / 750
		- 136	Souder 1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"		600 / 250	1200 / 500	1800 / 750	2400 / 750
	- 160	Souder 1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"		600 / 250	1200 / 600	1800 / 900	2400 / 900	
	- 215	Souder 1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"		600 / 300	1200 / 600	1800 / 900	2400 / 900	
	- 010	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"									
	- 0 015	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"									
	- 1 015	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"					125 / 100			
	- 026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"					125 / 100			
	MOYENNE TEMPÉRATURE	- 033	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"					125 / 100	250 / 300		
		- 053	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"			125 / 150	250 / 300		
- 074		Flare 1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	3/8"-7/8"	3/8"-7/8"		125 / 150	1200 / 400	1500 / 600	1800 / 600	
- 068		Flare 1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"		300 / 150	600 / 400	900 / 600	1200 / 600	
- 086		Souder 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-11/8"		300 / 200	600 / 400	900 / 750	1200 / 750	
- 108		Souder 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-11/8"	3/8"-11/8"		300 / 200	600 / 500	900 / 750	1200 / 750	
- 136 / - 171		Souder 3/8"-11/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"		300 / 250	600 / 500	900 / 750	1200 / 750	
- 215		Souder 3/8"-11/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"	1/2"-11/8"	1/2"-13/8"	1/2"-13/8"		600 / 250	1200 / 600	1800 / 900	2400 / 900	
- 271		Souder 1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"		600 / 300	1200 / 600	1800 / 900	2400 / 900	
R-449A		HAUTE TEMPÉRATURE	- 008 / - 010	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"							
			- 012	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"					100 / 25		
			- 014	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"		300 / 50	600 / 100	900 / 150
	- 016		Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"		300 / 50	600 / 100	900 / 150	1200 / 150
	- 018		Flare 1/4"-1/2"	1/4"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"	3/8"-1/2"		300 / 50	600 / 100	900 / 150	1200 / 150
	- 024 / - 026		Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"		300 / 100	600 / 200	900 / 300	1200 / 300
	- 034		Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"		300 / 100	600 / 450	900 / 600	1200 / 600
	- 038		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"	3/8"-3/4"		300 / 150	600 / 450	900 / 600	1200 / 600
	- 048	Flare 1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"		600 / 150	1100 / 300	1700 / 800	2300 / 800	
	- 054	Flare 1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"	1/2"-7/8"		600 / 150	1100 / 600	1700 / 800	2300 / 800	
	- 060 / - 068	Souder 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"		900 / 400	1800 / 800	2700 / 1200	3600 / 1200	
	- 086 / - 108	Souder 5/8"-11/8"	5/8"-11/8"	5/8"-11/8"	5/8"-11/8"	5/8"-11/8"	5/8"-11/8"	5/8"-11/8"		900 / 400	1800 / 800	2700 / 1200	3600 / 1200	
	MOYENNE TEMPÉRATURE	- 008 / - 010	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"								
		- 012	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"						100 / 50		
		- 014	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"					100 / 50		
		- 016	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"				100 / 50	200 / 100	
- 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"				100 / 50	200 / 100		
- 024		Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	3/8"-1/2"	3/8"-1/2"				100 / 50	900 / 100		
- 026		Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"		300 / 100	600 / 200	900 / 300	1200 / 300	
- 034		Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-3/4"		100 / 25	200 / 50	300 / 100	1000 / 250	
- 038		Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"		300 / 100	600 / 200	900 / 300	1200 / 300	
- 048		Flare 1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"		500 / 125	1000 / 250	1500 / 350	2000 / 500	
- 054		Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"		300 / 75	500 / 125	800 / 200	1000 / 250	
- 060		Flare 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"		300 / 150	600 / 300	900 / 450	1200 / 450	
- 068		Flare 1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"	1/2"-7/8"	1/2"-11/8"		500 / 125	1000 / 250	1500 / 350	2000 / 500	
- 086		Souder 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"		300 / 75	500 / 125	800 / 200	1000 / 250	
- 108		Souder 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"		300 / 150	600 / 300	900 / 450	1200 / 450	
- 136		Souder 1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"		600 / 300	1100 / 600	1700 / 800	2300 / 800	
BASSE TEMPÉRATURE		- 018	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"								
		- 026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"		250 / 200	500 / 400	750 / 500	1000 / 750
	- 034	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"		300 / 100	600 / 200			
	- 055	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"		100 / 75	200 / 150	250 / 200	300 / 250	
	- 075	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"	3/8"-7/8"		300 / 300	600 / 450	900 / 800	1200 / 800	
	- 096	Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"		160 / 100	320 / 200	480 / 300	640 / 400	
	- 108	Souder 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"		160 / 100	320 / 200	560 / 350	740 / 460	
	- 136	Souder 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"	3/8"-11/8"		190 / 120	370 / 230	560 / 350	740 / 460	
	- 215	Souder 1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-11/8"		240 / 150	470 / 290	760 / 300	1010 / 630	
	- 271	Souder 1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"	1/2"-13/8"		250 / 160	500 / 310	760 / 480	1080 / 680	