System for meat preservation and maturation





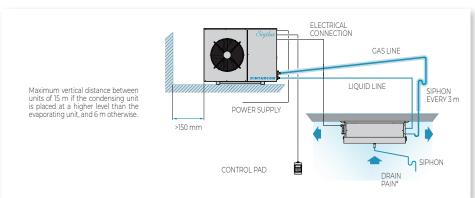
Split refrigeration systems for positive temperature applications, featuring a quasi-static evaporating unit with double air flow, and an axial low-noise or centrifugal condensing unit.

FEATURES

Quasi-static evaporating unit with double air flow and axial motor fans at very low speed.	•
High and low pressure switches.	
Built-in solenoid valve.	
Built-in thermostatic expansion valve.	
Electrical heater defrost.	
Drain pan.	
Flare-type connections (up to 1/2"-3/4") and service valves.	
MCB protection.	
Liquid receiver.	
Refrigerant pre-charge for 10 m piping.	
Multifunctional electronic control with remote keyboard and digital condensation control.	•
Change to 400V 3N 50Hz power supply.	O +5%
Proportional control of condensing pressure through fan speed variation (already included in $2/23$ series and above).	
Coil protection grille.	□ +117€
Built-in oil separator.	□ +745€
Condenser coil polyurethane anti-corrosion treatment.	+ 4 %
Control for maturation of meat with humidification and dehumidification functions.	By request
VTIPG touch screen display.	

As standard Optional

INSTALLATION SCHEME



Meat preservation

Quasi-static split systems are specifically recommended for unpacked meat preservation in cold rooms at temperature around 0 °C.



Double airflow evaporating units feature fans operating at a minimum speed to emulate the natural air convection inside the cold room, just as in a static evaporating unit.

Minimum air speed prevents moisture loss from the stored goods and keeps the correct level of humidity inside the cold room to prevent bacterial growth on the meet surface.

Meat maturation (optional)

Maturation of meat requires the control of the relative humidity of the cold room in a certain range.

Units for maturation of meat, are configured for cold rooms in the environment of 0 °C and in the range of $40\,\%$ to $95\,\%$ of relative humidity.

These unit incorporate an advanced electronic regulation to control of the temperature and humidity inside the cold room, with dehumidification and humidification and functions with steam humidification of 3 kg $/\ h$ capacity, consisting of: steam lances integrated in the evaporator unit, a submerged electrode generating cylinder with feed and water purge valves, and electronic relative humidity controller in the cold room.



Crankcase heater (optional)

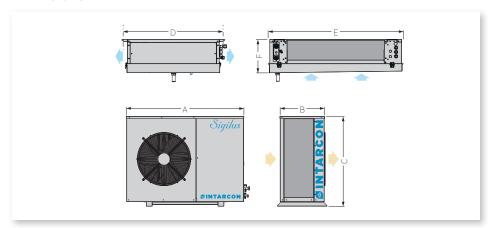
As standard on MSF and optional on MSH series. Its inclusion in outdoor units is recommended.



230V 50Hz / 400V 3N 50Hz | Positive temperature - Meat preservation and maturation | Hermetic compressor | R-134a / R-449A

Refrigerant	erant	5 : (14)	Coi	mpressor	-		Cooling ca according	to cold r	oom temp	perature		0.0	Input	it Max.	Evap. flow	Cond. flow	Liq-Gas	Refrig. charge	Weight	SPL	Price
	efrig	Series / Model	HP	Power	-5	-5 °C		C	5 -	5℃			power (W)	current (A)	(m³/h)	(m³/h)	Cooling Connection	(kg)	(kg)	dB(A)	(€)
	Ω̈́			supply	W	m³	W	m ³	W	m³	W	m³	. ,	. ,				(2)			
R-134a		MSF-UY-11026A	3/4	230V	1145	7.6	1 449	15	1785	24	2 153	41	830	9.4	600	1700	1/4"-1/2"	< 2.0	65+32	34	4 700
		MSF-UY-12033A	1	230V	1 428	12	1764	20	2 147	34	2 562	53	960	10.0	700	1700	1/4"-5/8"	< 3.0	67+45	34	5 601
		MSF-UY-13053A	11/2	230V*	2 100	22	2 657	40	3 255	56	3 938	86	1500	12.6	1 325	1700	1/4"-3/4"	< 3.5	77+65	35	6 999
	34a	MSF-UY-13074A	2	230V *	2 741	30	3 434	48	4 190	74	5 009	120	1 860	16.9	1 325	1700	1/4"-3/4"	< 4.5	79+65	37	7 999
	7	MSF-UY-23086A	4	400V 3N	3 308	40	4 158	62	5 114	99	6 132	154	2 080	13.4	1325	3 700	3/8"-7/8"	< 5.5	96+65	38	8 745
		MSF-UY-24108A	5	400V 3N	4 431	54	5 576	87	6 825	134	8 243	209	2 740	16.9	2 600	3 700	3/8"-7/8"	< 7.5	98+65	38	9 990
		MSF-UY-24136A	6 1/2	400V 3N	5 444	72	6 815	108	8 306	162	10 038	268	3 440	20.9	2 600	3 700	3/8"-1 1/8"	< 7.5	101+65	34	11 216
		MSF-UY-34171A	8	400V 3N	11 151	153	7 539	123	9 293	181	11 146	299	4 060	23.9	2 600	4 000	3/8"-1 1/8"	< 8.0	140+65	40	13 289
		MSF-UG-1016A	5/8	230V	1 215	9.5	1 483	15	1772	25	2 101	40	890	7.5	600	1700	1/4"-1/2"	< 2.5	67+32	34	4 471
		MSF-UG-1018A	3/4	230V	1 421	12	1720	19	2 050	30	2 410	48	1 030	8.8	600	1700	1/4"-1/2"	< 2.5	68+32	34	51 39
		MSF-UG-1024A	1	230V	1648	15	1998	24	2 390	37	2 812	59	1 190	11.0	700	1700	3/8"-5/8"	< 3.5	82+43	34	5 517
	49A	MSF-UG-1034A	11/2	230V*	2 235	23	2 699	35	3 193	54	3 739	84	1840	16.0	700	1700	3/8"-5/8"	< 3.5	83+43	35	6 289
D-6.6	R-4	MSF-UG-1038A	1 3/4	400V 3N	2 833	31	3 451	47	4 130	72	4 882	115	1 850	7.4	1 325	3 200	3/8"-5/8"	< 4.5	82+63	29	7 360
		MSF-UG-2054A	21/2	400V 3N	3 784	47	4 600	70	5 447	105	6 426	160	2 380	9.4	1 325	3 700	3/8"-3/4"	< 5.0	85+63	26	8 151
		MSF-UG-2068A	3 1/2	400V 3N	4 825	64	5 794	93	6 834	135	8 017	205	3 350	11.4	1 325	3 700	1/2"-3/4"	< 7.0	88+63	25	10 077
		MSF-UG-3086A	4	400V 3N	6 027	83	7 257	120	8 579	175	10 060	270	4 230	13.9	2 600	4 000	1/2"-7/8"	< 7.0	115+66	38	11 939

DIMENSIONS



	Dimensions (mm)	А	В	С	D	E	F	Evaporator fans
	11 series	1 030	380	577	798	736	310	1x Ø 360
	12 series	1 030	380	577	798	1 086	310	1x Ø 360
34a	13 series	1 030	380	577	798	1786	310	2x Ø 360
4	23 series	1 080	416	827	798	1786	310	2x Ø 360
	24 series	1 080	416	827	888	2 186	360	2x Ø 450
	34 series	1 150	487	1 097	888	2 186	360	2x Ø 450
	MSF-UG-1016A and 1018A	1 030	380	577	798	736	310	1x Ø 360
⋖	MSF-UG-1024A and 1034A	1 030	380	577	798	1 086	310	1x Ø 360
449	MSF-UG-1038A	1 030	380	577	798	1786	310	2x Ø 360
å	MSF-UG-2054A and 2068A	1 080	416	827	798	1786	310	2x Ø 360
	MSF-UG-3086A	1 150	487	1 097	888	2 186	360	2x Ø 450

- ⁽¹⁾ Nominal performances refer to operation with cold room temperatures of 0 °C and ambient temperature of 35 °C. Estimated cold room volume according to conditions of the calculation bases (page 12).
- Units with refrigerant charge less than 5 tons of ${\rm CO}_2$ equivalent (3.5 kg of R-134a or R-449A) exempt from leak checking, Regulation (EU) No 517/2014.
- ⁽³⁾ Sound pressure level, with directivity 1, measured at 10 m from the unit (non-binding value calculated from
- * Available units with 400V 3N 50Hz power supply.

Centrifugal version

Refrigerant	Series / Model	НР	Cooling o	Price (€)	
Ref			W	m³	(-)
	MSH-CUY-11026A	3/4	1 281	12	4 415
	MSH-CUY-11033A	1	1 517	15	5 370
	MSH-CUY-22033A	1	1 811	22	5 735
	MSH-CUY-22053A	11/2	2 174	28	6 325
R-134a	MSH-CUY-33053A	11/2	2 657	35	6 932
盗	MSH-CUY-33074A	2	3 402	47	7 760
	MSH-CUY-43086A	4	4 153	70	9 332
	MSH-CUY-43108A	5	5 219	84	10 195
	MSH-CUY-44108A	5	5 555	89	10 977
	MSH-CUY-44136A	61/2	6 773	108	13 609
	MSH-CUG-1016A	5/8	1349	13	4 201
	MSH-CUG-1018A	3/4	1545	16	5 108
⋖	MSH-CUG-2024A	1	1978	23	5 455
R-449A	MSH-CUG-2034A	11/2	2 627	34	6 229
œ	MSH-CUG-3038A	13/4	3 265	44	7145
	MSH-CUG-4054A	21/4	4 590	69	8 383
	MSH-CUG-4068A	31/2	5 783	93	9 858

Electrical interconnections

For the interconnection of the condenser and evaporator $% \left(x\right) =\left(x\right) +\left(x\right)$ units, the following cable sections must be provided for a length of 10 m (hoses not included):

Power supply	230V 50Hz	400V 3N 50Hz			
Probes	4x1mm² 2x1mm² 3x 2x1,5 mm² + T 4x1,5 2x1 mm²				
Manoeuvre	2 x 1 mm ²	3 x 1 mm ²			
Defrost	2 x 1,5 mm ² + T	4 x 1,5 mm² + T			
Control pad	ontrol pad 2 x 1 mm ²				
Switch door*	2 x 1 mm²				
Cold room light*	2x1m	ım² + T			

^{*} Optional not included.

To know electrical interconnections of each model: see technical manual.



HFC cooling connections

INTARCON commercial range split units are delivered pre-adjusted in factory, with a R-134a or R-449A refrigerant charge enough for up to 10 m of cooling pipes.

Condensing units feature service valves and Flare-type connections for a flared copper pipe for diameters up to 3/4" and ready-to-solder connections for diameters from 7/8".

We recommend using the following nominal pipe diameters for both, liquid and gas lines, according to the length of the cooling pipes. For total length longer than 10 m some extra refrigerant and polyester oil (POE) charge must be added as indicated in the following table:

Model			Connection and recommended liquid-gas pipe diameter depending on pipe length						Additional charge in grams of refrigerant / oil					
	Model	Connections	5 m	10 m	15 m	20 m	25 m	30 m	15 m	20 m	25 m	30 m		
	- 015	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"									
뿐	- 026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"			125 / 100					
2	- 033	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	125 / 150	250 / 300	375 / 450	500 / 4		
PERATU	- 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	1200/6		
	- 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/		
HIGH TEN	- 086	Weld 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"	3/8"-1 1/8"	300 / 250	600 / 500	900 / 750	1200/		
두	- 108	Weld 3/8"-7/8"	3/8"-7/8"	3/8"-11/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	300 / 250	600 / 500	900 / 750	1200/		
₫	- 136	Weld 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"	1/2"-1 1/8"	600 / 250	1200/500	1800/750	2 400 /		
=	- 160	Weld 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"	1/2"-1 3/8"	600 / 250	1200/600	1800/900	2 400 /		
	- 215	Weld 1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	600/300	1200/600	1800/900	2 400 /		
	- 010	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"									
	- 0 015 - 1 015	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"	1/4"-5/8"			125 / 100					
	- 026	Flare 1/4"-1/2" Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	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"	1/4"-3/4"		125/100	250 / 300				
2	- 033	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"		125/100	250 / 300				
ਙ		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				
	- 053	Flare 1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"		125 / 150	250 / 300				
2		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/		
Ē	- 074	Flare 3/8"-3/4"	3/8"-3/4"	3/8"-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/		
POSITIVE TEMPERATURE		Flare 1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	125 / 150	800 / 400	1100/600	1400/		
틄	- 068	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/		
် ဂ	- 086	Weld 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"-1 1/8"	300 / 200	600 / 400	900 / 750	1200/		
	- 108	Weld 3/8"-7/8"	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"	300 / 200	600 / 500	900 / 750	1200/		
	- 136 / - 171	Weld 3/8"-1 1/8"	3/8"-1 1/8"	3/8"-11/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	300 / 250	600/500	900 / 750	1200/		
	- 215	Weld 3/8"-1 1/8"	3/8"-1 1/8"	3/8"-11/8"	3/8"-1 1/8"	1/2"-1 1/8"	1/2"-1 3/8"	1/2"-1 3/8"	600 / 250	1200/600	1800/900	2 400		
	- 271	Weld 1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	1/2"-1 3/8"	600/300	1200/600	1800/900	2 400		
	- 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"	1/4"-3/8"			100 / 25					
ᇣᅵ	- 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	1200,		
፬	- 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,		
`⊈	- 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,		
표	- 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/		
≥	- 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/		
Ĕ	- 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/		
틸	- 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	2 300 /		
ΞĮ	- 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	2 300 /		
	- 060 / - 068	Weld 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	2 700 / 1200	3600/		
	- 086 / - 108	Weld 5/8"-1 1/8"	5/8"-1 1/8"	5/8"-11/8"	5/8"-1 1/8"	5/8"-1 1/8"	5/8"-11/8"	5/8"-1 1/8"	900 / 400	1800/800	2 700 / 1200	3 600 /		
	- 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"	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				
		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/		
#	- 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"	3/8"-5/8"	100 / 25	200/50	300/100	1000/		
TEMPERATURE	-	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/		
⊈	- 034	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-3/4"	3/8"-3/4"	100 / 25	200/50	800 / 200	1000/		
ä		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/		
긆	- 038	Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	100 / 25	500 / 125 600 / 450	800 / 200	1000/		
		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		900/600	1200/		
≥	- 048	Flare 1/2"-3/4" Flare 3/8"-3/4"	7/2"-3/4"	1/2"-3/4" 3/8"-3/4"	7/2"-3/4"	1/2"-3/4"	1/2"-7/8" 3/8"-3/4"	1/2"-7/8"	500 / 125	100 / 250	1500/350 800/200	2 000		
POSITIV	- 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" 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	300 / 75	500 / 125 600 / 300	900 / 450	1000		
3	- 034	Flare 3/8"-3/4" Flare 1/2"-3/4"	3/8"-3/4" 1/2"-3/4"	1/2"-3/4"	1/2"-7/8"	1/2"-7/8"	3/8"-3/4" 1/2"-7/8"	3/8"-3/4" 1/2"-1 1/8"	300 / 150 500 / 125	1000/300	1500/350	1200 / 2 000 /		
	- 060	Flare 1/2"-3/4" Flare 1/2"-7/8"	1/2"-3/4"	1/2"-3/4"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-1 1/8"	500 / 125	1000/250	1500/350	2 000 ,		
	- 000	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 / 75	500 / 125	800 / 250	1000		
		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"-7/8"	600 / 300	1100/600	1700/800	2 300 /		
	- 068	Flare 3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	250 / 60	500 / 125	700 / 200	800 /		
	- 086	Weld 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"	600/300	1100/600	1700/800	2 300 /		
	- 108	Weld 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	600 / 400	1100/800	1700/800			
	- 136	Weld 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"	1/2"-1 1/8"	600 / 400	1100/800	1700/1200			
		Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	, Z 11/0	1,2 11,0	1,2 11,0	3307 700	50, 600	.,50,1200	2 300 /		
	- 018	Flare 3/8"-11/8"	3/8"-1 1/8"	3/8"-11/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	250 / 200	500 / 400	750 / 500	1000/		
u	- 026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	2,0/0	2,0 . 110	100 / 100	220, 100	. 20, 300	. 550/		
5		Flare 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				
₹	- 034	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"	300/300	600 / 450	900 / 600	1200/		
H		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 /		
ij	- 055	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/		
9		Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	100 / 75	200 / 130	250 / 200	350 /		
¥	- 075	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	300/300	600 / 450	900 / 800	1200/		
1	-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	640/4		
NEGATIVE TEMPERATURE	-108	Weld 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"	160/100	320/200	560/350	740/4		
븰	-136	Weld 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	740/4		
				1/2"-11/8"	1/2"-11/8"	1/2"-11/8"	1/2"-13/8"	1/2"-13/8"	240/150	470/290	760/300	1010/6		
	-215	Weld 1/2"-11/8"	1/2"-11/8"	1/2 -11/8	I/Z -II/8	1// -11/0					/60.7.50.0			