Manitowoc Parts & Service Communicator

Subject: RDI Multi-Circuit Condensing Unit Usage With Indigo Ice Machines

- Line Sets can be up to 100’ (30 meters).
- A head pressure control valve is required.
- Ice machines are factory charged with refrigerant. Actual ice machine nameplate data overrides the nameplate data listed on this communication. When the total refrigerant charge is being weighed out or replaced, refer to nameplate to verify refrigerant charge, then add the additional amount of required refrigerant from the table below.
- Manitowoc remote systems are only approved and warranted as a complete new package. Warranty on the refrigeration system will be void if a new ice machine head section is connected to used tubing or condenser circuit.

Indigo Model QuietQube Head Sections

Ice Machine	Suction Line Size	Liquid Line Size	Ice Machine Nameplate Refrigerant Charge	Additional Refrigerant Amount Required	Total Refrigerant Charge
i0680C iB0690C	5/8”	3/8”	10.75 lbs (4.9 kg)	2.25 lbs (1021 g)	13.0 lbs (5.9 kg)
i0686C iB0696C	5/8”	3/8”	10.50 lbs (4.8 kg)	2.25 lbs (1021 g)	12.75 lbs (5.8 kg)
i0870C	5/8”	3/8”	11.0 lbs (5.0 kg)	1.75 lbs (794 g)	12.75 lbs (5.8 kg)
iB0890C	5/8”	3/8”	8.0 lbs (3.6 kg)	1.75 lbs (794 g)	9.75 lbs. (4.4 kg)
i0976C	5/8”	3/8”	8.0 lbs (3.6 kg)	1.75 lbs (794 g)	9.75 lbs (4.4 kg)
i1070C i1076C	5/8”	3/8”	10.0 lbs (4.5 kg)	3.5 lbs (1588 g)	13.5 lbs (6.1 kg)
iB1090C	5/8”	3/8”	12.0 lbs (5.4 kg)	1.5 lbs (680 g)	13.5 lbs (6.1 kg)
i1470C i1476C	3/4”	1/2”	12.75 lbs (5.8 kg)	1.75 lbs (794 g)	14.5 lbs (6.6 kg)
i1870C i1876C	3/4”	1/2”	15.0 lbs (6.8 kg)	10.0 lbs (4536 g)	25.0 lbs (11.3 kg)
i2170C i2176C	3/4”	5/8”	18.0 lbs (8.2 kg)	7.0 lbs (3175 g)	25.0 lbs (11.3 kg)

Indigo Remote Condenser Head Sections

Ice Machine	Discharge Line Size	Liquid Line Size	Ice Machine Nameplate Refrigerant Charge	Additional Refrigerant Amount Required	Total Refrigerant Charge
i0590N	1/2”	5/16”	6.0 lbs (2.7 kg)	2.0 lbs (907 g)	8.0 lbs (3.6 kg)
i0690N	1/2”	5/16”	6.5 lbs (2.9 kg)	2.0 lbs (907 g)	8.5 lbs (3.9 kg)
i0890N	1/2”	5/16”	8.5 lbs (3.9 kg)	2.0 lbs (907 g)	10.5 lbs (4.8 kg)
i0996N i1090N	1/2”	5/16”	7.0 lbs (3.2 kg)	3.0 lbs (1361 g)	10.0 lbs (4.5 kg)
i1490N	1/2”	3/8”	11.0 lbs (5.0 kg)	2.5 lbs (1134 g)	13.5 lbs (6.1 kg)
i1890N	1/2”	3/8”	12.5 lbs (5.7 kg)	3.0 lbs (1361 g)	15.5 lbs (7.0 kg)