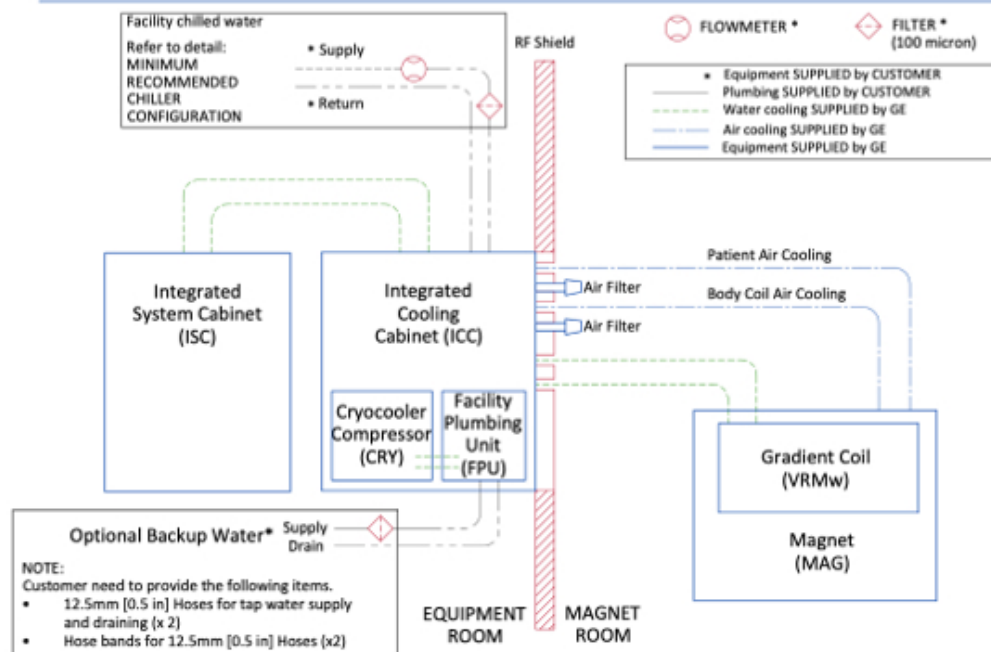


CHILLED WATER BLOCK DIAGRAM



CHILLED WATER SPECIFICATIONS

PARAMETER		REQUIREMENTS	
Chiller size		Minimum 36kW	
Inlet temperature		5 to 15°C [41 to 59°F] measured at the inlet to the ICC	
Hose connection to ICC (supplied by customer)		25.4mm [1 in] minimum hose inside diameter	
		MINIMUM FLOW 50 l/min (13.2 gpm)	MAXIMUM FLOW 80 l/min (21.1 gpm)
PRESSURE DROP IN ICC CABINET	40% propylene glycol, 60% water	1.8 bars (26.1 psi)	3.4 bars (49.3 psi)
Availability		Continuous	
Antifreeze		0-40% propylene glycol	
Maximum inlet pressure to ICC		Maximum 5.52 bar (80 psi)	
Minimum continuous heat load		7.5 kW	
Condensation protection		Facility plumbing to the ICC must be properly routed and insulated to prevent equipment damage or safety hazards	
Water quality		Refer to pre-installation manual for detailed specifications	

NOTE

- The customer must balance the cost of cryogenics and local controls with the cost of emergency backup facility coolant.
- For the site without insite connection, the customer must provide and install an in-line thermometer on the supply facility coolant hose. The thermometer must be capable of visually displaying thermometer covering 41 to 59°F (5 to 15°C) and configured for the properties of the cooling fluid in use.

MINIMUM RECOMMENDED CHILLER CONFIGURATION

