

Chiller Components	Details	Material
Heat Exchanger	Shell Size 12" & 14"	MS
	Shell Size 16" to 20"	MS
	Shell Size above 20"	MS
	Tubesheet	MS
	End Cover	MS
	Heat Exchanger Tubes	Cu
		Cu (Air Cooled Chillers Only)
		Cu:NI
		SS 316
		SS 304
		Ti
Hardwares	Bolts	CS
	Nuts	CS
	Washers	CS
Oil Separator	Shell	MS
Refrigeration Piping	Suction Line	MS
	Discharge Line	MS (All Water Cooled Chillers)
		Cu (Air Cooled Chillers Only)
	Liquid Line	Cu

Material Standard		
Standard offering material	BQ offering material	CE Marked
IS 3589	SA 106 Gr. B	SA 106 Gr. B
IS 3589	SA 516 Gr. 70	SA 516 Gr. 70
IS 2062 E250 BR	SA 516 Gr. 70	SA 516 Gr. 70
IS 2062 E250 BR	SA 516 Gr. 70	SA 516 Gr. 70
IS 2062 E250 BR	SA 516 Gr. 70	SA 516 Gr. 70
UNS C12200	UNS C12200	UNS C12200
ASTM B743, B68 and B75	Not Applicable	Not Applicable
UNS 70600	UNS 70600	UNS 70600
SA 213-TP316	SA 213-TP316	SA 213-TP316
SA 213-TP304	SA 213-TP304	SA 213-TP304
UNS R50400	UNS R50400	UNS R50400
IS 1367	SA 194 Gr. 2H	SA 194 Gr. 2H
IS 1367	SA 193 Gr. B7	SA 193 Gr. B7
IS 1367	IS 1367	IS 1367
IS 2062 E250 BR	SA 516 Gr. 70	SA 516 Gr. 70
SA 106 Gr. B	SA 106 Gr. B	SA 106 Gr. B
SA 106 Gr. B	SA 106 Gr. B	SA 106 Gr. B
IS 191 & IS 2501	IS 191 & IS 2501	SB-75
IS 191 & IS 2501	IS 191 & IS 2501	SB-75