

<u>Temperature Range</u>	<u>Traditional &amp; Current Products</u>	<u>Virgin Ban</u>	<u>Long Term HFC Replacements</u>	<u>Application</u>	<u>Description of Changeover</u>	<u>Natural Long Term Replacements</u>
Guide Only	CFC & HCFC	Virgin Ban	Always Check with BOC	Guide Only	Check with BOC & Comp Manufacturer	New Systems Only
High Temp Applications * +1 celsius to +20 celsius	R12 CFC R22 HCFC R401A HCFC R401B HCFC R409A HCFC	Ban 1995 Ban 2010 Ban 2010 Ban 2010 Ban 2010	R134a RS24 R410A R413A - Isceon MO49 R407D If available Isceon MO29 R424A - RS44 FX100	Refrigeration / Aircon Refrigeration / Aircon Aircon Refrigeration / Aircon Aircon Water Coolers Aircon Refrigeration / Aircon	Retro Fit - May Need Oil Change Drop In New Equipment Needed Drop In Retro Fit - May Need Oil Change Drop In Drop In Drop In Retro Fit - May Need Oil Change	R600a - Care 10 - Care 30 R290 - Care 40 R1270 - Care 45
Medium Temp Applications * 0 celsius to -10 celsius	R502 CFC R22 HCFC	Ban 1995 Ban 2010	R404A R410A R417A - Isceon MO59 RS52 R407C Isceon MO29 FX100	Refrigeration Aircon Refrigeration / Aircon Refrigeration Aircon Water Coolers Refrigeration / Aircon	New Equipment Needed New Equipment Needed Drop In Drop In Retro Fit - May Need Oil Change Drop In Drop In	R290 - Care 40 R1270 - Care 45 R744 - CO2 R717 - Ammonia
Low Temp Applications * - 10 celsius to - 40 celsius	R502 CFC R22 HCFC R402A HCFC R402B HCFC R403B HCFC R408A HCFC R409B HCFC R123 HCFC	Ban 1995 Ban 2010 Ban 2010 Ban 2010 Ban 2010 Ban 2010 Ban 2010 Ban 2010	R404A R422A - Isceon MO79 R410A RS52 R407A May not be available R507	Refrigeration Refrigeration Refrigeration Refrigeration Refrigeration Refrigeration	New Equipment Needed Drop In New Equipment Needed Drop In May not be available Retro Fit - May Need Oil Change	R290 - Care 40 R1270 - Care 45 - Care 50 R744 - CO2 R717 - Ammonia
Very Low Temp Applications * - 40 celsius and below	R503 CFC R13B1 CFC	Ban 1995 Ban 1995	R23 Isceon MO89 R508A R508B	Refrigeration Refrigeration Refrigeration Refrigeration	New Equipment Needed Drop In New Equipment Needed New Equipment Needed	