

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 2
to
AS/NZS 1677.2:1998
Refrigerating systems
Part 2: Safety requirements for fixed applications

CORRECTION

The 1998 edition of AS/NZS 1677.2 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to the Clauses 3.1.1, 3.7.4.1 and Table 3.1.

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AMDT
No. 2
DEC.
2000

Page 17, Clause 3.1.1.

Add the following text at the end of the Clause:

Where an existing system is being converted from one A1 refrigerant to another A1 refrigerant of a higher pressure, the lower pressure side of the system shall be protected by a relief device with a setting lower than the theoretical p_s (developed from the temperatures of Table 3.1), providing that the relief device shall not relieve under any foreseeable normal local operating or standstill condition.

AMDT
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2000

Page 18, Table 3.1

Add new Note 6, as follows:

- 6 Where an existing system is being converted from one A1 refrigerant to another A1 refrigerant of a higher pressure it may not be possible to conform to the minimum design temperatures given in Table 3.1. In such cases it may be desirable to state that the system conforms, except that the relief devices for the high pressure side have been set to a pressure corresponding to a temperature lower than that required in Table 3.1 and that all reasonable precautions have been taken to protect the system against overpressure whilst reducing the likelihood of the pressure relief valves operating.
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Page 26, Clause 3.7.4.1 Table

Delete existing table and *replace* with the following:

Refrigerant	Value of f
When used on the low pressure side of a limited charge cascade system:	
R170, R744, R1150	0.082
R13, R13B1, R503	0.163
R14	0.203
When used in other applications:	
R717	0.041
R11, R40, R113, R123, R142B	0.082
R152A, R290, R600, R600A, R611	0.082
R764	0.082
R-401A, R-401B	0.115
R-402A, R-404A	0.180
R-402B	0.156
R12, R22, R114, R134A, R-407C	0.131
R-410A	0.197
R-C318, R500, R1270	0.163
R115, R502	0.203
