

# Dual-Use Materials

Metals and gaskets



2B350

- d. Heat transfer surface area: Greater than 0,15 m<sup>2</sup> and less than 20 m<sup>2</sup>
- 1 Alloys with more than 25 % nickel and 20 % chromium by weight
  - 2 Fluoropolymers (more than 35 % weight fluor)
  - 4 Graphite or 'carbon graphite'
  - 5 Nickel or alloys with more than 40 % nickel by weight
  - 7 Titanium or titanium alloys.

## Council Regulation EC No. 428/2009 paragraph 2B350 d 1.2. 4. 5. 7.

### Heat transfer surface area and material content

Heat transfer surface area:

Greater than 0,15 m<sup>2</sup> and less than 20 m<sup>2</sup>

Rev. 2

2B350 rules	More than 20 % Cr by weight	More than 25 % Ni by weight	Ti and Ti alloys	Graphite or carbon graphite	More than 35 % fluor by weight
		More than 40 % Ni by weight			
Content in materials	Max. Cr %	Max. Ni %	Ti %	Carbon %	Fluor %
(UNS N08904) 1.4539 Alloy 904L	21	26			
(UNS N06200) 2.4675 Hastelloy C2000	23	59			
(UNS N06022) 2.4602 Hastelloy C22	22	56			
(UNS N08367) 1.4529 Alloy AL-6XN	22	23-26			
(UNS N06625) 2.4856 Alloy 625	23	58			
(UNS N06059) 2.4605 Alloy 59	22-24	56-63			
(UNS N10276) 2.4819 Hastelloy 276	10	57			
(UNS N02201) 2.4061 Nickel 201	0	99,6			
(UNS S31635) 1.4571 AISI 316Ti			0,30		
(UNS R50250) 3.7025 Titanium grade 1			99,10		
(UNS R52250) 3.7225 Titanium palladium grade 11			99,85		
Viton I gasket					66
Viton GF gasket					70
Graphite gasket				98	
PTFE gasket					70

The listed materials are used in Sondex (Danfoss) on all Plate Heat Exchanger.

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