

Symbol	Typ	Titel
F	Sektion	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
F28	Klasse	HEAT EXCHANGE IN GENERAL
F28C	Unterkategorie	HEAT-EXCHANGE APPARATUS, NOT PROVIDED FOR IN ANOTHER SUBCLASS, IN WHICH THE HEAT-EXCHANGE MEDIA COME INTO DIRECT CONTACT WITHOUT CHEMICAL INTERACTION (heat-transfer, heat-exchange or heat-storage materials C09K 5/00; fluid heaters having heat generating means F24H; with an intermediate heat-transfer medium coming into direct contact with heat-exchange media F28D 15/00-F28D 19/00; details of heat-exchange apparatus of general application F28F)
F28C 1/00	Hauptgruppe	Direct-contact trickle coolers, e.g. cooling towers (building construction E04H 5/12; enclosed spaces cooled by trickle F25; component parts of trickle coolers F28F 25/00) [1, 2006.01]
F28C 1/02	1-Punkt Untergruppe	. with counter-current only [1, 2006.01]
F28C 1/04	1-Punkt Untergruppe	. with cross-current only [1, 2006.01]
F28C 1/06	1-Punkt Untergruppe	. with both counter-current and cross-current [1, 2006.01]
F28C 1/08	1-Punkt Untergruppe	. Arrangements for recovering heat from exhaust steam [1, 2006.01]
F28C 1/10	1-Punkt Untergruppe	. Arrangements for suppressing noise [1, 5, 2006.01]
F28C 1/12	1-Punkt Untergruppe	. Arrangements for preventing clogging by frost [3, 2006.01]
F28C 1/14	1-Punkt Untergruppe	. comprising also a non-direct contact heat exchange [3, 2006.01]
F28C 1/16	1-Punkt Untergruppe	. Arrangements for preventing condensation, precipitation or mist formation, outside the cooler (F28C 1/14 takes precedence) [3, 2006.01]
F28C 3/00	Hauptgruppe	Other direct-contact heat-exchange apparatus [1, 2006.01]
F28C 3/02	1-Punkt Untergruppe	. the heat-exchange media both being gases or vapours [1, 2006.01]
F28C 3/04	1-Punkt Untergruppe	. the heat-exchange media both being liquids [1, 2006.01]
F28C 3/06	1-Punkt Untergruppe	. the heat-exchange media being a liquid and a gas or vapour (temperators for cooling steam F22) [1, 2006.01]
F28C 3/08	2-Punkt Untergruppe	... with change of state, e.g. absorption, evaporation, condensation (generating steam under pressure F22) [1, 2006.01]
F28C 3/10	1-Punkt Untergruppe	. one heat-exchange medium at least being a fluent solid, e.g. a particulate material [1, 2006.01]
F28C 3/12	2-Punkt Untergruppe	... the heat-exchange medium being a particulate material and a gas, vapour, or liquid [1, 2006.01]
F28C 3/14	3-Punkt Untergruppe	... the particulate material moving by gravity, e.g. down a tube [1, 2006.01]
F28C 3/16	3-Punkt Untergruppe	... the particulate material forming a bed, e.g. fluidised, on vibratory sieves [1, 2006.01]
F28C 3/18	3-Punkt Untergruppe	... the particulate material being contained in rotating drums [1, 2006.01]