

Symbol	Typ	Titel
<b>F</b>	<b>Sektion</b>	<b>SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING</b>
<b>F25</b>	<b>Klasse</b>	<b>REFRIGERATION OR COOLING; COMBINED HEATING AND REFRIGERATION SYSTEMS; HEAT PUMP SYSTEMS; MANUFACTURE OR STORAGE OF ICE; LIQUEFACTION OR SOLIDIFICATION OF GASES</b>
<b>F25J</b>	<b>Unterklasse</b>	<b>LIQUEFACTION, SOLIDIFICATION, OR SEPARATION OF GASES OR GASEOUS MIXTURES BY PRESSURE AND COLD TREATMENT (cryogenic pumps F04B 37/08; gas storage vessels, gas-holders F17; filling vessels with, or discharging from vessels, compressed, liquefied, or solidified gases F17C; refrigeration machines, plants, or systems F25B)</b>
<b>F25J 1/00</b>	<b>Hauptgruppe</b>	<b>Processes or apparatus for liquefying or solidifying gases or gaseous mixtures</b>
F25J 1/02	1-Punkt Untergruppe	. requiring the use of refrigeration, e.g. of helium or hydrogen
<b>F25J 3/00</b>	<b>Hauptgruppe</b>	<b>Processes or apparatus for separating the constituents of gaseous mixtures involving the use of liquefaction or solidification</b>
F25J 3/02	1-Punkt Untergruppe	. by rectification, i.e. by continuous interchange of heat and material between a vapour stream and a liquid stream (F25J 3/08 takes precedence)
F25J 3/04	2-Punkt Untergruppe	. . for air
F25J 3/06	1-Punkt Untergruppe	. by partial condensation (F25J 3/08 takes precedence; by rectification F25J 3/02)
F25J 3/08	1-Punkt Untergruppe	. Separating gaseous impurities from gases or gaseous mixtures (cold traps B01D 8/00)
<b>F25J 5/00</b>	<b>Hauptgruppe</b>	<b>Arrangements of cold-exchangers or cold-accumulators in separation or liquefaction plants (heat-exchangers F28C, F28D, F28F)</b>