

Symbol	Typ	Titel
B	Sektion	SECTION B — PERFORMING OPERATIONS; TRANSPORTING
B04	Klasse	CENTRIFUGAL APPARATUS OR MACHINES FOR CARRYING-OUT PHYSICAL OR CHEMICAL PROCESSES
B04B	Unterklasse	CENTRIFUGES (high-speed drum mills B02C 19/11; domestic spin driers D06F; analysing, measuring or monitoring physical or chemical properties of samples during centrifuging, <u>see</u> the relevant subclasses for these procedures, e.g. G01N)
		<u>Types of centrifuges; Centrifuges characterised by discharging means</u>
B04B 1/00	Hauptgruppe	Centrifuges with rotary bowls provided with solid jackets for separating predominantly liquid mixtures with or without solid particles
B04B 1/02	1-Punkt Untergruppe	. without inserted separating walls
B04B 1/04	1-Punkt Untergruppe	. with inserted separating walls
B04B 1/06	2-Punkt Untergruppe	. . of cylindrical shape
B04B 1/08	2-Punkt Untergruppe	. . of conical shape
B04B 1/10	1-Punkt Untergruppe	. with discharging outlets in the plane of the maximum diameter of the bowl
B04B 1/12	2-Punkt Untergruppe	. . with continuous discharge
B04B 1/14	2-Punkt Untergruppe	. . with periodical discharge
B04B 1/16	3-Punkt Untergruppe	. . . with discharging outlets controlled by the rotational speed of the bowl
B04B 1/18	4-Punkt Untergruppe	 controlled by the centrifugal force of an auxiliary liquid
B04B 1/20	1-Punkt Untergruppe	. discharging solid particles from the bowl by a conveying screw coaxial with the bowl axis and rotating relatively to the bowl
B04B 3/00	Hauptgruppe	Centrifuges with rotary bowls in which solid particles or bodies become separated by centrifugal force and simultaneously sifting or filtering
B04B 3/02	1-Punkt Untergruppe	. discharging solid particles from the bowl by means co-axial with the bowl axis and moving to and fro, i.e. push-type centrifuges
B04B 3/04	1-Punkt Untergruppe	. discharging solid particles from the bowl by a conveying screw co-axial with the bowl axis and rotating relatively to the bowl
B04B 3/06	1-Punkt Untergruppe	. discharging solid particles by vibrating the bowl
B04B 3/08	1-Punkt Untergruppe	. discharging solid particles by bowl walls in the form of endless bands
B04B 5/00	Hauptgruppe	Other centrifuges
B04B 5/02	1-Punkt Untergruppe	. Centrifuges consisting of a plurality of separate bowls rotating round an axis situated between the bowls
B04B 5/04	1-Punkt Untergruppe	. Radial chamber apparatus for separating predominantly liquid mixtures, e.g. butyrometers
B04B 5/06	1-Punkt Untergruppe	. Centrifugal counter-current apparatus
B04B 5/08	1-Punkt Untergruppe	. Centrifuges for separating predominantly gaseous mixtures
B04B 5/10	1-Punkt Untergruppe	. Centrifuges combined with other apparatus, e.g. electrostatic separators; Sets or systems of several centrifuges (B04B 5/12 takes precedence; magnetic or electrostatic separators B03C) [2]
B04B 5/12	1-Punkt Untergruppe	. Centrifuges in which rotors other than bowls generate centrifugal effects in stationary containers
		<u>Elements; Accessories</u>
B04B 7/00	Hauptgruppe	Elements of centrifuges (drives B04B 9/00; feeding, charging, or discharging accessories or

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devices B04B 11/00)		
B04B 7/02	1-Punkt Untergruppe	. Casings; Lids (shock absorbers, vibration dampers F16F)
B04B 7/04	2-Punkt Untergruppe	. . Casings facilitating discharge
B04B 7/06	2-Punkt Untergruppe	. . Safety devices
B04B 7/08	1-Punkt Untergruppe	. Rotary bowls (centrifugal casting machines B22D)
B04B 7/10	2-Punkt Untergruppe	. . Bowls for shaping solids
B04B 7/12	2-Punkt Untergruppe	. . Inserts, e.g. armouring plates
B04B 7/14	3-Punkt Untergruppe	. . . for separating walls of conical shape
B04B 7/16	3-Punkt Untergruppe	. . . Sieves or filters (filters in general B01D; sieves in general B07B)
B04B 7/18	2-Punkt Untergruppe	. . formed or coated with sieving or filtering elements (filters in general B01D; sieves in general B07B)
B04B 9/00	Hauptgruppe	Drives specially designed for centrifuges; Arrangement or disposition of transmission gearing; Suspending or balancing rotary bowls
B04B 9/02	1-Punkt Untergruppe	. Electric motor drives
B04B 9/04	2-Punkt Untergruppe	. . Direct drive
B04B 9/06	1-Punkt Untergruppe	. Fluid drive
B04B 9/08	1-Punkt Untergruppe	. Arrangement or disposition of transmission gearing
B04B 9/10	1-Punkt Untergruppe	. Control of the drive; Speed regulating
B04B 9/12	1-Punkt Untergruppe	. Suspending rotary bowls
B04B 9/14	1-Punkt Untergruppe	. Balancing rotary bowls (balancing in general G01M)
B04B 11/00	Hauptgruppe	Feeding, charging, or discharging bowls (B04B 1/00, B04B 3/00, B04B 7/04 take precedence)
B04B 11/02	1-Punkt Untergruppe	. Continuous feeding or discharging; Control arrangements therefor
B04B 11/04	1-Punkt Untergruppe	. Periodical feeding or discharging; Control arrangements therefor
B04B 11/05	2-Punkt Untergruppe	. . Base discharge
B04B 11/06	1-Punkt Untergruppe	. Arrangement of distributors or collectors in centrifuges
B04B 11/08	1-Punkt Untergruppe	. Skimmers or scrapers for discharging
B04B 13/00	Hauptgruppe	Control arrangements specially designed for centrifuges; Programme control of centrifuges (control arrangements for feed, charge, or discharge B04B 11/00)
B04B 15/00	Hauptgruppe	Other accessories for centrifuges
B04B 15/02	1-Punkt Untergruppe	. for cooling, heating, or heat insulating
B04B 15/04	1-Punkt Untergruppe	. for suppressing the formation of foam
B04B 15/06	1-Punkt Untergruppe	. for cleaning bowls, filters, sieves, inserts, or the like
B04B 15/08	1-Punkt Untergruppe	. for ventilating or producing a vacuum in the centrifuge
B04B 15/10	1-Punkt Untergruppe	. for forming a filtering layer in the rotary bowl
B04B 15/12	1-Punkt Untergruppe	. for drying or washing the separated solid particles