1	MAGNETIC SEPARATING MEANS	29	Electrode or part thereof moved on or against another
2	.Electromagnet	30	With shutdown or voltage
3	.And electric field separation	50	adjustment means interrelated
4	apparatus		with cleaning (e.g., cutting
4	APPARATUS FOR SELECTIVE DIFFUSION		off flow of gaseous fluid
	OF GASES (E.G., SEMIPERMEABLE		mixture or electrical current,
_	MEMBRANE, ETC.)		etc.)
5	.Immobilized liquid membrane	31	Sequential operation
6	.Membrane to degasify liquid	32	Vibrating, jarring, or rapping
7	.Plural separate barriers	52	means
8	Parallel hollow fibers or	33	Mounted on rotatable shaft
	cylinders (e.g., bundled,	55	(e.g., swinging arm or hammer,
	etc.)		etc.)
9	Barriers connected in series	34	Having reciprocating rod or
10	.Hollow fiber or cylinder	54	
11	.Plural layers (e.g., laminated		piston type activating or
	barrier, etc.)	25	rapping means
12	Organic compound containing	35	Activated by second swinging
	layer	2.6	or rotatable means
13	Ring containing organic	36	Magnet or solenoid activating
	compound		means
14	.Membrane having ring containing	37	Reciprocating rod or piston
	organic compound		type activating or rapping
15	ELECTRIC FIELD SEPARATION		means
10	APPARATUS (E.G., ELECTRICAL	38	Horizontal striking means
	PRECIPITATOR, ELECTROSTATIC	39	Movably mounted electrode
	TYPE, ETC.)	40	Nonliquid contact cleaning
16	.And radioactive or ultraviolet		means
τU	light ionizer	41	Liquid bath for immersion of
17	.Electric charge produced by		electrode
± /	friction (e.g., by gas flow,	42	Endless belt carried or belt
	etc.)		type electrode
18	.With control means responsive to	43	Fluid contacting means (e.g.,
TO	sensed condition		suction means, etc.)
19		44	Liquid applying means for
19	Concentration or temperature		electrode (e.g., projection
0.0	sensing means		type, etc.)
20	Arc, spark, or flashover	45	Weir or overflow wet film
0.1	sensing means		type
21	Current sensing means	46	Having movable spraying means
22	Current sensing means		for liquid
23	And voltage sensing means	47	Including means to
24	Voltage sensing means	17	recirculate liquid
25	.With programmed, cyclic, or time	48	Including baffle for
	responsive control means	40	directing gas flow
26	.With indicating, signal, or	49	Cylindrical electrode
	alarm means	49 50	Apparatus purging or flushing
27	.With means to add charged solid	50	means using gas or liquid
	or liquid particles to gaseous	F 1	
	fluid mixture	51	Electrode scraping, brushing,
28	.Electrode cleaner, apparatus	F 0	or wiping means
	part flusher, discharger, or	52	.With means for vapor or liquid
	wet collector (e.g., wet film		contact (e.g., for gas
	electrode, etc.)		separation, cooling,
			conditioning, etc.)

# 96 - 2 CLASS 96 GAS SEPARATION: APPARATUS

53	Liquid spray means	78	Adjacent parallel collector
54	.Having alternating electrostatic		electrodes are differently
	field		charged
55	.And serially arranged	79	Collecting electrodes are
	nonelectrical separator		flat plates
56	Bypass or modification of flow	80	.With details of voltage supply
	of gaseous fluid mixture to		means or circuitry
	second stage	81	Closure interlock or removable
57	Precedent nonelectrical		section
	separator	82	Circuit portions
58	Separator is single porous	83	.Electrode retaining or
50	filter	05	supporting means
59	Total flow of gaseous fluid	84	Plural electrode unit assembly
59		04	_
	mixture through porous	0.5	type (e.g., unitized, etc.)
<b>C</b> 0	collector electrode	85	Disposable (e.g., collapsible
60	.Including gas flow distribution	0.6	or foldable cardboard, etc.)
<b>C</b> 1	means	86	Parallel disk or plate
61	Spiralling inflow, centrifugal,		collector unit
	or whirl generating surface	87	Parallel disk or plate
	means		collector
62	For contact with ionizing	88	With insulation feature
	electrode or uniform flow in	89	Tensioning means
	treating zone	90	Spring or expansible bellows
63	Having means for driving gas	91	Hanging weight
	flow (e.g., fan, blower, etc.)	92	Suspensory means
64	Perforated baffle or gas	93	Nonrigid support (e.g.,
	diffuser		hanging electrode, etc.)
65	Collecting electrode modifies	94	Movably supported during use or
	gas flow	_	for orientation
66	Total flow of gaseous fluid	95	.Ionizing electrode details
	mixture through interstitial	20	(e.g., coil, mat, corona
	or porous collector		suppression, etc.)
67	Zigzag running length	96	Filamentary or filar form
68	Particle type collector	97	Sharpened point, serrated, or
69	Layered, laminated, or coated	51	tip discharge
70	Plural separate electrode	98	.Collecting electrode details
	members aligned in direction	90	5
	of gas flow		(e.g., sheet type, running
71	Segmented electrode	0.0	length web, etc.)
72	Continuous electrode with	99	Dielectric material containing
12	integral or attached	100	or covering
	projections	100	Multiple similar elements or
73	Flow distribution means for		sections (e.g., built up,
15			etc.)
74	parallel sections	101	CHROMATOGRAPHY TYPE APPARATUS
74	.With nonelectrical gas treating	102	.With control means responsive to
	or conditioning means		sensed condition
75	.Plural diverse electric fields	103	.With programmed, cyclic, or time
76	One or more electrodes common		responsive control means
	to plural fields	104	.Plural separate and distinct
77	Serially arranged ionizing and		stages
	collecting or agglomerating	105	.Including injection system or
	fields		inlet fluid distributor
		106	.Having system connector or

coupling

107	.Having imbedded baffle or flow	139	Including baffle for modifying
100	distributor		gas flow (e.g., flow vanes,
108	SOLID SORBENT APPARATUS	140	diffuser, etc.)
109	.With control means responsive to sensed condition	140 141	And means for driving gas flowAnd means regenerating solid
110	Fluid flow sensing means		sorbent
111	Concentration sensing means	142	With means for driving gas flow
112	Temperature sensing means	143	.With means regenerating solid
113	Pressure sensing means		sorbent
114	And programmed, cyclic, or	144	Gas contacting means
115	time responsive control means	145	Means applies steam to solid sorbent
115	.With programmed, cyclic, or time	146	
110	responsive control means		Heat exchanger to regenerate
116	Regulating or metering means	147	.Having mountable casing
117	Indicating, signal, or alarm	148	Storage or food receptacle
	means	149	.With means to compress or
117.5	.With indicating means (e.g.,		compact solid sorbent bed
	color change indicator, etc.)	150	.Movable solid sorbent bed (e.g.,
118	.Soluble or deliquescent type		fluidized bed, etc.)
	(e.g., calcium chloride, etc.)	151	.Including means to access or
119	Supported by holder with drip		replace solid sorbent
	openings	152	.Including baffle for modifying
120	Including liquid contacting means		gas flow (e.g., imbedded in solid sorbent, etc.)
121	.Plural solid sorbent beds	153	.Dispersed or impregnated solid
122	With recovery or separation		sorbent bed
	means for desorbing fluid	154	.Layered or laminated (e.g.,
123	Movable solid sorbent bed		solid sorbent on support
-	(e.g., fluidized bed, etc.)		material, etc.)
124	With rotating gas distributor	155	DEGASIFYING MEANS FOR LIQUID
125	Rotating solid sorbent bed	156	.With control means responsive to
126	With heat exchange means		sensed condition
127	And means for driving gas flow	157	With liquid level sensing means
/	(e.g., pump, blower,	158	Separator inlet or outlet
	compressor, etc.)		valve responsive to float
128	Compressor		level
129	Zigzag arrangement of flat	159	Plural floats
100	solid sorbent beds for	160	And temperature sensing
	parallel flow		means
130	With means for regenerating	161	And pressure sensing means
	solid sorbent	162	Plural float-controlled
131	Serial		valves
132	Diverse type	163	At least one is gas outlet
133	Plural canisters		valve
134	.Plural diverse separating means	164	And pressure sensing means
135	At least one a dispersed or	165	Gas outlet valve responsive
133	impregnated solid sorbent bed		to float level
136	Plural housings or casings for	166	And pressure sensing means
	separating components	167	Centrifugal separating means
137	With means to compress or	168	Liquid outlet valve
	compact solid sorbent bed		responsive to float level
138	Including means to access or	169	And pressure sensing means
	replace solid sorbent	170	And recycle means (e.g., for
			degasified liquid, etc.)

### 96 - 4 CLASS 96 GAS SEPARATION: APPARATUS

171	And tangential flow or centrifugal separating means	2
172	With pressure sensing means	2
173	With temperature sensing means	2
174	With pressure sensing means	2
174175		
175	.Sonic means (i.e., using sound waves)	
176	.Defoaming means	2
$170 \\ 177$	5	2
1//	Centrifugal or rotating	2
178	separator	~
1/0	Having flow-through foam	2
	restrictor or eliminator (e.g., screen, etc.)	2
179	Having flow-through foam	2
1/9	restrictor or eliminator	2
	(e.g., screen, etc.)	2
180	Having recycle means (e.g., for	_
100	foam or separated liquid,	2
	etc.)	2
181	.And liquid contact means	2
182	.With separator for multiple	2
102	liquids	~
183	Reservoir with three or more	2
105	outlets, each for different	_
	fluid	2
184	Horizontal reservoir	2
185	With heat exchange means	_
186	And internal filter or screen	2
200	(e.g., coalescer, etc.)	~
187	.Tank or tank part movably	2
-	mounted on support (e.g., for	2
	deaerating aircraft	2
	lubricating oil, etc.)	2
188	.Including means to remove mist	2
	entrained in gas	2
189	Baffle, filter, or screen	2
190	Plural, serially arranged	
191	Concentric tubular members	2
192	Alternate central and	2
	peripheral gas paths	2
193	.Pressure reducing means	2
194	And liquid flow modifier	
195	Centrifugal type	
196	Rotating means	2
197	Baffle	2
198	Plural baffles in series	2
199	With heat exchange means	2
200	Spray nozzle	2
201	With heat exchange means	2
202	.With gas contacting means	
203	Spray nozzle	
204	.Liquid flow slinger, spreader,	2
	deflector, disperser, or	-
	rotation modifier	

05	And preliminary heat exchange
06	means
207	At inlet to separator
208	Plural, serially arranged
108	Centrifugal type
	Tangential inlet
10 11	Including tangential outlet
	Split or plural inlets
12	Including inner and outer
12	casings or plural compartments
13	Tangential outlet
14	Rotating means
15	Plural, serially arranged
16	Centrifugal type
17	Impeller or screw on rotating shaft
18	.Heat exchanger to degasify
19	.And fluid filter
20	.Including baffle
21	COLD WALL-HOT WALL THERMAL
	DIFFUSION-TYPE SEPARATOR
22	WITH MEANS TO ADD FRAGRANCE OR
	SCENT
23	WITH STERILIZING MEANS
24	.Germicidal lamp (e.g.,
	ultraviolet light, etc.)
25	.Heater (e.g., electrical, steam,
	etc.)
26	.Means uses chemical
	antimicrobial agent
27	Liquid agent
28	WITH MEANS USING LIQUID TO CLEAN
	SEPARATING APPARATUS
29	.Movably mounted cleaning liquid
	distributor
30	.Movable separating media
31	Immersion cleaning
32	.Parallel vanes or baffles
33	.Filter
34	GAS AND LIQUID CONTACT APPARATUS
	FOR GAS SEPARATION INCLUDING
	MEANS TO REGENERATE, PURIFY,
	OR SEPARATE CONTACT LIQUID
35	.Means to add conditioning agent
	to contact liquid
36	.Gravitational separator for
	contact liquid
37	With heavier component
	mechanical mover, trap,
	chamber, or recess in
	gravitational separator
38	With lighter component removal
	means in gravitational
	separator

239	With baffle, plate, or weir	270	And contact liquid sprayer
	within gravitational separator	271	Means forming free-falling
	to aid contact liquid		contact liquid curtain
	regeneration, purification, or	272	Means forming flowing contact
	separation		liquid film on apparatus
240	.Filter for contact liquid		surface
241	Including filter adjusting or	273	And contact liquid sprayer
	removal means	274	Means to apply contact liquid
242	.Heating or cooling means		to solid or porous sheet or
243	WITH GAS AND LIQUID CONTACT		tube
	APPARATUS	275	Venturi passage
244	.With control means responsive to	276	And liquid bath or reservoir
	sensed condition		for contact
245	Contact liquid level sensing	277	And contact liquid sprayer
	means	278	Liquid bath or reservoir for
246	By pressure sensing means	270	contact
247	Valve responsive to float	279	Submerged inlet for subsurface
21,	level	215	contact
248	Plural floats	280	And contact liquid sprayer
249	Contact liquid inlet valve	280	Movably mounted contact liquid
249	responsive to float level	ZOI	distributor
250	Contact liquid outlet valve	282	
230		-	Rotatable solid disc or surface
051	responsive to float level	283	Partially immersed within
251	Temperature sensing means		contact liquid
252	Gas flow rate sensing means	284	Rotation causes contact liquid
253	Pressure sensing means		to be drawn from liquid
254	Pressure sensitive diaphragm		reservoir (e.g., suction,
255	.With programmed, cyclic, or time		etc.)
	responsive control means	285	Rotation caused by flowing
256	.Contact liquid movement by		contact liquid or gas
	flowing gas force	286	Rotatable porous disc or
257	.Including means varying gas flow		surface
	to control saturation or	287	Partially immersed within
	dispersion		contact liquid
258	Pivotal means	288	Belt type
259	About an end	289	Drum type
260	Axially movable means	290	.Particulate media, shaped
261	Conically or frustoconically		packing elements (e.g.,
	shaped		Raschig rings, Berl saddles,
262	.Having contact liquid level		etc.), or porous media for gas
	maintaining means (e.g., weir,		and liquid contact
	wall openings, tubes, gates,	291	Moving
	etc.)	292	In engine air inlet
263	.For portion of total gas flow	293	In fuel dispersal means (e.g.,
264	Utilizing a valve		in carburetor, etc.)
265	.Including means to control	294	Humidifier or evaporative
	contact liquid return flow to		cooler
	supply or sump	295	Gas dehydrator (e.g., glycol
266	With heat exchange means		type, etc.)
267	.Diverse means for adding liquid	296	Mesh or fabric screen, fibrous
201	for gas and liquid contact	220	or filamentary pad, or
268	Moving apparatus part for		perforated plate
200	liquid contact	297	By sprayer
269	And liquid bath or reservoir	298	Foam
			•••• oum
	for contact		

# 96 - 6 CLASS 96 GAS SEPARATION: APPARATUS

299	Parallel plate, sheet, or member	327
300	Downstream gas separation means	328
	(e.g., mist eliminator, etc.)	329
301	.Fixed gas whirler or rotator for	
	gas separation	330
302	Having conical baffle with apex	
	facing upstream	
303	Contact liquid applied in	331
	central gaseous flow path of	
	concentric gaseous flow paths	
304	Baffle, vane, or plate in	332
	outer gaseous flow path	
305	Baffle, vane, or plate in	
	central gaseous flow path	333
306	Liquid contact preceding	
	whirler or rotator	
307	Means forming free-falling	334
	contact liquid curtain	
308	Means forming flowing contact	
	liquid film on apparatus	335
	surface	336
309	Liquid bath or reservoir for	
	contact	337
310	And downstream filter	338
311	Contact liquid spray	
312	Within a venturi passage	
313	Tangential gas inlet into	339
515	whirler or rotator	340
314	Liquid contact within whirler	
511	or rotator	341
315	Means forming free-falling	342
515	contact liquid curtain	
316	Means forming flowing contact	343
510	liquid film on apparatus	
	surface	344
317	Liquid bath or reservoir for	345
517	contact	346
318	And downstream filter	347
319	Contact liquid spray	-
320	Baffle means for producing or	348
520	aiding contact liquid spray	
	formation	349
321	Having tangential gaseous fluid	350
521	mixture inlet	351
322	.Means forming flowing contact	331
522	liquid film on apparatus	352
	surface or free- falling	552
	contact liquid curtain for gas	353
	and liquid contact	354
323	Venturi type	355
324	Curved impingement surface	
325	Impingement baffle or pan	
326	Liquid flow surface perforated	356
	for gas flow therethrough	357
		551

327	Imperforate film supporting surface
328	Inclined
329	.Liquid bath or reservoir for
525	contact
330	Having back pressure relief or liquid blow back trap or separator
331	Having antisplash means or means for retaining contact
332	liquid during upset or tilt With movable agitator in bath or reservoir for commingling
	gas and liquid
333	Nonliquid gas separator positioned above liquid bath or reservoir
334	Having means for forming
	contact liquid into spray or heap
335	Central downward gas inlet
336	Gas flows tangentially to liquid surface
337	Superposed filter
338	Having flow guide preventing
	entire filter face contact by gas flow
339	Surrounding gas flow path
340	Submerged inlet for
010	subsurface contact
341	And separable liquid sump
342	Submerged inlet for subsurface contact
343	Multiple outlet orifices in
	submerged inlet
344	Perforated pipe
345	Perforated plate
346	Submerged baffle
347	Gas flows tangentially to liquid surface
348	Superposed stationary deflector
349	Flow reversal
350	Tortuous path
351	
	contact
352	Multiple outlet orifices in submerged inlet
353	Perforated pipe
354	Perforated plate
355	.Nonliquid gas separating means downstream of liquid contact
	means
356	Parallel vanes or baffles
357	And diverse separating means

358	Overlapping vanes or baffles	398	.Ejection of residue container or
359	Moving centrifugal separator		separating unit (e.g., filter
360	Impact vane, baffle, or wall		or bag, etc.)
361	Filter	399	.Gas cutoff or diversion
362	Perforated plate	400	Gas pressure responsive means
363	Mesh or fabric screen	401	And temperature responsive
364	Fibrous or filamentary pad		means
365	And preliminary separating means	402	Plural gas pressure responsive means
366	.Deflector upstream of liquid	403	(e.g., vacuum cleaner, etc.)
367		404	Collecting bag presence
	Imperforate, impermeable baffle	707	responsive means
368	Conical	405	By response to accumulated
369	Ribbed or corrugated	405	separated liquids or solids
370	Angled or inclined	406	By float
371	.Filter upstream of liquid	400 407	-
	contact means	407	Temperature or humidity
372	INCLUDING INLET MEANS FOR DIVERSE	400	responsive
	GAS OR SOLID FOR GAS TREATMENT	408	.Regulation of separated
373	.Solid or vaporized solid		constituent discharge
374	.Steam is diverse gas	409	By liquid accumulation
375	Added into combustion products		responsive float
376	To effect particle removal	410	Side discharge from reservoir
	(e.g., dust removal, etc.)	411	Control valve in line
377	.And outlet for condensed vapors		external to reservoir
378	.Downstream of separator	412	Control valve in external
379	.And gas regulation for each		bottom discharge line from
	inflowing gas		reservoir
380	WITH SOUND DAMPING MEANS (I.E.,	413	WITH SAMPLING MEANS
	NOISE ATTENUATION)	414	WITH INSPECTION MEANS
381	.Sound absorbing material	415	.Translucent
382	For vacuum cleaner	416	.Transparent
383	For internal combustion engine	417	WITH SIGNALS, INDICATORS,
384	.Sound attenuating gas flow path		MEASURING, OR TESTING MEANS
385	Baffle in flow path	418	.Light signal
386	For internal combustion engine	419	.Sound signal
387	Perforated surface	420	.Temperature measuring means
388	Expansion chamber	421	.Pressure measuring means
389	SONIC MEANS (I.E., USING SOUND	422	.Gas flow rate measuring means
005	WAVES)	423	.Position measuring means
390	SHELF OR EDGE TYPE	424	WITH TIMING OR CHANGEABLE
391	.Helical or spiral wound strip		PROGRAMMING MEANS
392	.Parallel plates or discs	425	.Of cleaning mechanism for
393	Grooved or slotted		separating media
394	Having fibrous filter material	426	Sequential cleaning of plural
594	or porous structure		separating media
205	-	427	Multiple bag-type filters in
395	.Nap-like or pile-like material		chamber
396	WITH DRIP OR ESCAPING MATERIAL,	428	For control of pneumatic
	OTHER THAN SEPARATED	0	reverse flushing
207	CONSTITUENT, COLLECTOR	429	.For advancing filter media
397	WITH CONTROL MEANS RESPONSIVE TO	127	advancing tittet media
	SENSED CONDITION FOR CONTROL		
	OF GAS FLOW OR NONGASEOUS		
	CONSTITUENT DISCHARGE		

Class 55 is an integral part of this Class (Class 96), as shown by the position of this box, and follows the schedule hierarchy of this Class, retaining all pertinent definitions and Class lines of this class.

### FOREIGN ART COLLECTIONS

### FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

- FOR 100 COLD WALL-HOT WALL THERMAL DIFFUSION TYPE SEPARATOR (55/ 209)
- FOR 101 WITH AUTOMATIC CONTROL MEANS FOR GAS OR NONGASEOUS CONSTITUENT DISCHARGE (55/210)
- FOR 102 .Ejection of residue container or separating unit (e.g., filter or bag) (55/211)
- FOR 103 .Gas cutoff or diversion (55/212)
- FOR 104 ...Gas pressure responsive separate reactor surface means (552/13)
- FOR 105 .. Bag presence responsive means (55/214)
- FOR 106 ..By response to accumulated separated liquids (55/215)
- FOR 107 ... By float (55/216)
- FOR 108 .. Temperature or humidity responsive (55/217)
- FOR 109 .Regulation of separated constituent discharge (55/218)
- FOR 110 ..By liquid accumulation responsive float (55/219)
- FOR 111 WITH LIQUID CONTACTING MEANS (E.G., GAS OR MEDIA CLEANING) (55/220)

- FOR 112 .With indirect heat exchange means for gas (55/222)
- FOR 113 .Diverse means for contacting or applying liquid (55/223)
- FOR 114 .For portion of total gas flow (55/224)
- FOR 115 .Liquid control responsive to flowing gas force (55/225)
- FOR 116 .With means varying gas flow to control saturation or dispersion (55/226)
- FOR 117 .With treating liquid automatic control or level maintaining means (55/227)
- FOR 118 .With treating liquid conditioning or separating means (55/228)
- FOR 119 .With means to control liquid return flow to supply or sump (55/229)
- FOR 120 .Movably mounted liquid distributor (e.g., moving nozzle) (55/230)
- FOR 121 ...Distributor is gas contacting means (e.g., wet pad) (55/231)
- FOR 122 ... With distributor immersing means (55/232)
- FOR 123 .Liquid applied to particulate or porous media for gas contact (55/233)
- FOR 124 .. Media extends into bath (55/234)
- FOR 125 .With fixed gas whirler or rotator means for gas separation (55/235)
- FOR 126 ..Liquid applied in central of concentric flow paths (55/236)
- FOR 127 ..Liquid contact preceding or within whirler or rotator means (55/237)
- FOR 128 ... Spray or film contact (55/238)
- FOR 129 ..Reversal of gas flow by surface of body of liquid (55/239)
- FOR 130 .With means forming flowing liquid film or sheet for gas contact (55/240)
- FOR 131 .. On impervious backing (e.g., corrugated plates) (55/241)
- FOR 132 .With liquid cleaning or flushing means for media (55/242)
- FOR 133 .. Immersion cleaning (55/243)
- FOR 134 .Gas flow contacts liquid bath (55/244)

- FOR 135 ..With back pressure relief or auxiliary liquid trap or baffle (55/245)
- FOR 136 ..With antisplash means or means for retaining liquid during upset or tilt (55/246)
- FOR 137 ..With movable means in bath for commingling gas and liquid (55/247)
- FOR 138 ...Separator positioned above liquid bath (55/248)
- FOR 139 ... With means for forming liquid into a spray or heap (55/249)
- FOR 140 ... Superposed filter (55/250)
- FOR 141 ....With flow guide preventing entire leading surface contact (55/251)
- FOR 142 ....Surrounding gas flow path (55/252)
- FOR 143 .....With separable liquid sump (55/253)
- FOR 144 .....With anticreep means (55/ 254)
- FOR 145 ....Submerged inlet for subsurface contact of liquid (55/255)
- FOR 146 ...Submerged inlet for subsurface contact (55/256)
- FOR 147 .Gas separating means downstream of contacting means (55/257.1)
- FOR 148 .. Parallel vanes (55/257.2)
- FOR 149 .. Overlapping vanes (55/257.3)
- FOR 150 .. Centrifugal (55/257.4)
- FOR 151 .. Impact plate (55/257.5)
- FOR 152 .. Perforated plate (55/257.6)
- FOR 153 .. Heat exchange (55/257.7)
- FOR 154 ..With preliminary separating means (55/258)
- FOR 155 .. Filter type separating means (55/259)
- FOR 156 .With deflecting means preliminary to liquid contact (55/260)
- FOR 157 WITH INLET MEANS FOR DIVERSE FLUID OR SOLID FOR GAS TREATMENT (55/261)
- FOR 158 .Solid or vaporized solid (55/ 262)
- FOR 159 .Steam (55/263)
- FOR 160 .With outlet for condensed vapors (55/264)
- FOR 161 .Downstream of separator (55/265)
- FOR 162 .With flow control for each inflow gas (55/266)

- FOR 163 WITH HEATING OR COOLING MEANS FOR GAS, OR WITH INSULATION (55/ 267)
- FOR 164 .Two confined fluids in indirect contact (55/268)
- FOR 165 .. Heat exchanger is part of separator or is contiguous therewith (55/269)
- FOR 166 with sampling, weighting, testing, or metering means (55/270)
- FOR 167 WITH TIMING OR CHANGEABLE PROGRAMMING MEANS (55/271)
- FOR 168 .Of cleaning mechanism for media (55/272)
- FOR 169 ...Sequential cleaning of plural units (55/273)
- FOR 170 WITH SIGNALS AND INDICATORS (E.G., INSPECTION MEANS) (55/ 274)
- FOR 171 .Moisture sensitive (55/275)
- FOR 172 WITH SOUND DAMPING OR ACOUSTICAL MEANS (I.E., NOISE ATTENUATION) (55/276)
- FOR 173 SONIC TYPE (55/277)
- FOR 174 SHELF OR EDGE TYPE (55/278)
- FOR 175 WITH STERILIZING MEANS (55/279)
- FOR 176 WITH DRIP OR ESCAPING MATERIAL COLLECTOR (NOT OF SEPARATED CONSTITUENT AS SUCH) (55/280)

# 96 - 10 CLASS 96 GAS SEPARATION: APPARATUS