



Chemical Compatibility of “bonflow”[®] (Cellulose Melamine Resin Bonded) filter element

Remark	Description
A	Satisfactory to maximum temperature suggested
B	Fair to maximum temperature suggested
C	Not recommended
L	No data, likely to be compatible
X	No data, not likely to be compatible
Temp	In Degree Celsius

Sr.	Service Liquid	Remark
1	ACETALDYHYDE	A
2	ACETAMIDE	L
3	ACETIC ACID 5 TO 20 %	38 ^o
4	ACETIC ACID 50 %	B
5	ACETIC ACID 50 % BOILING	C
6	ACETIC ACID 80 %	B
7	ACETIC ACID 80 % BOILING	C
8	ACETIC ACID 100 %	C
9	ACETIC ACID 100 % BOILING	C
10	ACETIC ANHYDRIDE	C
11	ACETONE 100%	A
12	ACETYLENE 100%	66 ^o
13	ACRYLONITRILE	A
14	AIR-COMPRESSED	A
15	ALUMINUM ACETATE	83 ^o
16	ALUMINUM CHLORIDE 5%	55 ^o
17	ALUMINUM FLUORIDE 5%	A
18	ALUMINUM HYDROXIDE	A
19	ALUMINUM NITRATE	66 ^o
20	ALUMINUM SULFATE (Alum) 10%	C
21	AMINO ACID	66 ^o
22	AMINOETHANOLAMINE	A
23	AMMONIA, ANHYDROUS	38 ^o
24	ADIPIIC ACID	A
25	AMMONIUM BICARBONATE	A
26	AMMONIUM BROMIDE 10% Note 1	L
27	AMMONIUM CARBONATE 10%	A
28	AMMONIUM CHLORIDE 10%	38 ^o
29	AMMONIUM FLUORIDE 10%	L

Sr.	Service Liquid	Remark
30	AMMONIUM HYPO SULFITE 10%	L
31	AMMONIUM OXALATE 10%	L
32	AMMONIUM NITRATE 5%	38 ^o
33	AMMONIUM PHOSPHATE	B
34	AMMONIUM SULFATE 1 - 5%	C
35	AMMONIUM THIOCYANATE	A
36	AMYL ALCOHOL	A
37	ANILINE	B
38	ANIMAL FATS	A
39	ARSENIC ACID	C
40	AQUA REGIA	C
41	ASPHALT	A
42	BANANA OIL (Amyl Acetate)	A
43	BARIUM CARBONATE	A
44	BARIUM CHLORIDE 5%	99 ^o
45	BARIUM HYDROXIDE	A
46	BARIUM SULFIDE	L
47	BEER	A
48	BEET SUGAR LIQUORS	A
49	BENZALDEHYDE	L
50	BENZENE OR BENZOL	A
51	BENZOIC ACID 10%	A
52	BENZYL AMINE	L
53	BERYLLIUM CARBONATE	L
54	BISMUTH HYDROXIDE	A
55	BISMUTH SUB CARBONATE	A
56	BORAX	A
57	BORIC ACID	B
58	BROMINE (Dry)	B
59	BROMINE (Wet)	C
60	BROMO BENZOIC ACID	L
61	BUNKER C	A
62	BUTADIENE	L
63	BUTANE	A
64	BUTYLENE	L
65	BUTYL ALCOHOL	A
66	BUTYL ACETATE	A
67	BUTYL CELLOSOLVE	A
68	BUTYL CHLORIDE	L
69	BUTYL STEREATE	A
70	BUTYRIC ACID	L



Sr.	Service Liquid	Remark
71	CALCIUM ACETATE	L
72	CALCIUM BISULFITE	A
73	CALCIUM CARBONATE	A
74	CALCIUM CHLORIDE	38 ^o
75	CALCIUM HYDROXIDE 100%	38 ^o
76	CALCIUM HYPOCHLORITE 5%	C
77	CALCIUM NITRATE 10%	L
78	CALCIUM OXALATE	L
79	CALCIUM SULFATE	B
80	CANE SUGAR LIQUORS	A
81	CAPROLACTAM	X
82	CARBOLIC ACID (PHENOL)	B
83	CARBON DIOXIDE (Dry)	A
84	CARBON DYSULFIDE or BISULFIDE	A
85	CARBON MONOXIDE	L
86	CARBON TETRACHLORIDE - (PURE)	A
87	CARBON TETRACHLORIDE -5 - 10%	A
88	CARBONATED WATER	A
89	CARBONIC ACID 100%	38 ^o
90	CASTOR OIL	A
91	CELLOSOLVE	A
92	CESIUM CARBONATE	L
93	CETYL ALCOHOL	A
94	CHLORINE GAS (Dry)	C
95	CHLORINE GAS (WET)	C
96	CHLOROACITIC ACID	C
97	CHLOROBENZENE	A
98	CHLOROFORM (Dry)	A
99	CHLOROSULFONIC ACID	C
100	CHARCOAL	L
101	CHLOROX (SODIUM HYPO CHLORITE TYPE)	B
102	CHROMIC ACID 10%	C
103	CIDER	B
104	CITRIC ACID 5%	66 ^o
105	CITRIC ACID 5% @ 150 ^o F	A
106	CITRIC ACID 15 %	66 ^o
107	CELLULOSE	L
108	COD LIVER OIL	A

Sr.	Service Liquid	Remark
109	COFFEE EXTRACT (Hot)	C
110	COFFEE (Hot)	C
111	COLA SYRUP (PURE)	A
112	COLD CREAM	L
113	COPPER AMMONIUM ACETATE	L
114	COPPER AMMONIUM HYDROXIDE 5%	L
115	COPPER NITRATE	B
116	COPPER SULFATE	60 ^o
117	CORN OIL	A
118	COTTONSEED OIL	A
119	CREOSOTE	99 ^o
120	CRESYLIC ACID	99 ^o
121	CYCLOHEXANE	A
122	CYCLOHEXANONE	A
123	DDT SOLUTION	B
124	DEXTROSE (GLUCOSE)	A
125	DIACETONE ALCOHOL	A
126	DIBUTYL PHTHALATE	A
127	DICHLORETHANE	A
128	DICHLOROETHYLENE	A
129	DIELECTRIC OIL	A
130	DISEL OIL (Light)	A
131	DIETHALONAMINE (DEA)	A
132	DIETHYL CARBONATE	L
133	DI ETHYLENE GLYCOL	A
134	DIMETHYL FORMAMIDE (DMF)	A
135	DIPHENYL OXIDE	A
136	DOWTHERM	A
137	DYES	L
138	EPICHLOROHYDRIN	A
139	ETHERS	A
140	ETHYL ACETATE	A
141	ETHYL ALCOHOL	A
142	ETHYL BENZOATE	L
143	ETHYL CELLULOSE	L
144	ETHYL CHLORIDE (DRY)	A
145	ETHYLENE DIAMINE	A
146	ETHYLENE DICHLORIDE	A
147	ETHYLENE GLYCOL	A
148	ETHYLENE OXIDE	L



Sr.	Service Liquid	Remark
149	FATTY ACID	38 ^o
150	FERRIC CHLORIDE 1%	C
151	FERRIC CHLORIDE>1%	C
152	FERRIC HYDROXIDE	A
153	FERRIC NITRATE	B
154	FERRIC SULFATE 1 TO 5%	A
155	FISH OIL	A
156	FLUOBORIC ACID	C
157	FLUOSILICIC ACID	C
158	FORMALDEHYDE (COLD) 10%	38 ^o
159	FORMALDEHYDE (HOT) 10%	A
160	FORMALIN (40% FORMALDEHYDE)	22 ^o
161	FORMIC ACID (dilute)	38 ^o
162	FREON 12	94 ^o
163	FREON 22	94 ^o
164	FRUIT JUICES	A
165	FUEL OIL	A
166	FURFURAL	A
167	GAS (NATURAL)	A
168	GASOLINE (SOUR) (40% H2S+ 5% CO2)	A
169	GASOLINE (MOTOR)	A
170	GASOLINE (AVIATION)	A
171	GELETIN	A
172	GLUE	A
173	GLYCERIN OR GLYCEROL	A
174	GLYCOL MONOETHER	A
175	GREASE	A
176	GUM ARABIC	A
177	HONEY	A
178	HELIUM	A
179	HEXANE	A
180	HYDRAULIC OIL (PETROLEUM)	A
181	HYDRAULIC OIL (PHOSPHATE ESTER)	A
182	HYDROBROMIC ACID 10%	C
183	HYDROCHLORIC ACID (Muriatic Acid) 5%	C
184	HYDROCYNIC ACID 5%	C
185	HYDROFLURIC ACID 10%	22 ^o
186	HYDROGEN GAS (COLD)	A

Sr.	Service Liquid	Remark
187	HYDROGEN GAS (HOT)	A
188	HYDROGEN PEROXIDE 90%	C
189	HYDROGEN SULFIDE (DRY)	A
190	HYDROGEN SULFIDE (WET)	A
191	HYDROQUINONE	A
192	HYPOCHLOROUS ACID 10%	B
193	ISOTANE (2,2,4 Trimethyl Pentane)	A
194	ISOPROPYL ACETATE	L
195	ISOPROPYL ALCOHOL (Isopropanol)	A
196	KEROSENE	A
197	KETCHUP	A
198	LACTIC ACID	A
199	LACQUER SOLVENTS	A
200	LARD OIL	A
201	LATEX (NATURAL)	A
202	LEAD ACETATE	A
203	LIME -SULFUR	B
204	LINSEED OIL	A
205	LITHIUM BROMIDE	94 ^o
206	LITHUM CARBONATE	A
207	LITHUM CHLORIDE	94 ^o
208	LITHUM HYDROXIDE	68
209	LUBE OIL (Petroleum)	A
210	MAGNESIUM CHLORIDE	B
211	MAGNESIUM HYDROXIDE	A
212	MAGNESIUM NITRATE	B
213	MAGNESIUM OXIDE	A
214	MAGNESIUM SULFATE	A
215	MALEIC ACID	B
216	MAYONNAISE	A
217	MELAMINE RESINS	A
218	MEURCURIC CHLORIDE 10%	A
219	MERCUROUS NITRATE	L
220	MERCURY	A
221	METHANE	A
222	METHYL ALCOHOL (METHANOL)	A
223	METHYL ACETATE	L
224	METHYL CELLOSOLVE	A
225	METHYL CHLORIDE (WET)	A



Sr.	Service Liquid	Remark
226	METHYL ETHYL KETONE (MEK)	A
227	METHYLENE CHLORIDE	A
228	METHYL METHACRYLATE	A
228	MONOETHENOLAMINE (MEA)	A
229	MILK FRESH OR SOUR, HOT OR COLD	A
230	MINERAL OILS	A
231	MOLASSES	A
232	MUSTARD	A
233	NAPHTHA, PETROLIUM ETHER	A
234	NAPHTHALENE	A
235	NICKEL CHLORIDE	38 ^o
236	NICKEL HYDROXIDE	A
237	NICKEL SULFATE	38 ^o
238	NITRIC ACID 5 TO 10%	22 ^o
239	NITRIC ACID 20%	C
240	NITRIC ACID 50%	C
241	NITRIC ACID (FUMING)	C
242	NITROBENZENE 1 TO 10%	C
243	NITROGEN GAS	A
244	NITROUS OXIDE	B
245	OIL (CRUDE)	A
246	OLEIC ACID	C
247	OLEUM (Fuming Sulfuric Acid)	C
248	OLIVE OIL	A
249	OXALIC ACID (HOT) 10%	38 ^o
250	OXALIC ACID (wet) 10%	C
251	OXYGEN (COLD)	L
252	OXYGEN (HOT)	C
253	PALMITIC ACID	L
254	PALM OIL	A
255	PARADICHLOROBENZENE	L
256	PARAFFIN, PETROLATUM, COSMOLINE	L
257	PENTANE	A
258	PERCHLOROETHYLENE (DRY)	A
259	PETROLIUM OILS (REFINED)	A
260	PETROLIUM OILS (SOUR)	A
261	PHENOL ETHER	L
262	PHENOL FORMALDEHYDE RESINS	A
263	PHOSPHATE ESTERS	L

Sr.	Service Liquid	Remark
264	PHOSPHORIC ACID 1%	60 ^o
265	PHOSPHORIC ACID 5%	38 ^o
266	PHOSPHORIC ACID 10%	22 ^o
267	PHOSPHORIC ACID 50%	C
268	PHOSPHORIC ACID 80%	C
269	PICRIC ACID	C
270	PINE GUM, PINE OIL	A
	PLATING SOLUTIONS	
271	ARSENIC	66 ^o
272	BRASS/CYANIDE	60 ^o
273	BRONZE / CYNIDE	22 ^o
274	CADMIUM / CYNIDE	60 ^o
275	CADMIUM / FLUOBORATE	38 ^o
276	COPPER / CYNIDE	60 ^o
277	GOLD / CYNIDE	60 ^o
278	GOLD / FLUOBORATE	L
279	IRON / CHLORIDE	C
280	IRON / SULFATE	C
281	LEAD / FLUOBORATE	C
282	NICKEL / BRIGHT / CHLORIDE	A
283	NICKEL / DULL /CHLORIDE	71 ^o
284	NICKEL / DULL / FLUOBORATE	B
285	SILVER	22 ^o
286	TIN / ACID	L
287	TIN / FLUOBORATE	L
288	TIN / CYNIDE	60 ^o
289	ZINK FLUOBORATE	L
290	POTASSIUM ACETATE 10%	A
291	POTASSIUM BISULFATE 10%	L
292	POTASSIUM BROMIDE	B
293	POTASSIUM CARBONATE 10%	L
294	POTASSIUM CYNIDE 5%	A
295	POTASSIUM FERROCYNIDE 10%	A
296	POTASSIUM NITRATE 5%	A
297	POTASSIUM PERMANGANATE 5 %	B
298	POTASSIUM SULFATE 5%	A
299	PROPEN	A
300	PROPIONAMIDE	L
301	PROPIONIC ACID	A



Sr.	Service Liquid	Remark
302	PROPYLENE GLYCOL	A
303	PROPYLELE OXIDE	A
304	PYRIDINE	L
305	RAPESEED OIL (COLZA OIL)	L
306	SALICYLIC ACID	L
307	SEA WATER	A
308	SHELLAC (BLEACHED)	A
309	SHELLAC (ORANGE)	A
310	SILICON OIL	L
311	SILVER NITRATE	A
312	SOAP (STEARATES)	94 ^o
313	SODIUM ACETATE	A
314	SODIUM BICARBONATE	A
315	SODIUM BISULFATE	A
316	SODIUM BORATE	A
317	SODIUM CARBONATE (SODA ASH)	A
318	SODIUM CHLORATE	C
319	SODIUM CHLORIDE 10%	A
320	SODIUM CYNIDE	A
321	SODIUM DICHROMATE 10%	C
322	SODIUM FLUORIDE 5%	A
323	SODIUM HYDROXIDE (CAUSTIC SODA) 20%	68
324	SODIUM HYPOCHLORITE 5%	C
325	SODIUM METAPHOSPHATE	A
326	SODIUM NITRATE 5%	A
327	SODIUM PERBORATE 1%	L
328	SODIUM PEROXIDE	C
329	SODIUM PHOSPHATE	A
330	SODIUM POLYSULFIDE	A ²²
331	SODIUM SILICATE	A
332	SODIUM SULFATE	A
333	SODIUM SULFIDE (SATURATED)	B
334	SODIUM THIOCYANATE	A
335	SODIUM THIOSULFATE	A
336	SOYABEAN OIL	A
337	STANNIC CHLORIDE 5%	B
338	STANNOUS CHLORIDE 5%	B
339	STARCH	A
340	STEAM (CONTINUOUS)	105 ^o
341	STEARIC ACID	38 ^o

Sr.	Service Liquid	Remark
342	STODDARD SOLVENT	A
343	STRONTIUM CARBONATE	L
344	STYRENE (LIQUID)	A
345	SUGER LIQUID -	A
346	SULFATE LIQUORS (PAPER MAKING)	A
347	SULFUR DIOXIDE (DRY)	C
348	SULFUR TRIOXIDE (DRY)	C
349	SULFURIC ACID 5%	38 ^o
350	SULFURIC ACID 5% (BOILING)	C
351	SULFURIC ACID 10%	C
352	SULFURIC ACID 10% (BOILING)	C
353	SULFURIC ACID 50%	C
354	SULFURIC ACID 50% (BOILING)	C
355	SULFURIC (FUMING) - (See OLEUM)	C
356	SULFUROUS ACID	B
357	TALLOW (MOLTEN)	X
358	TANNIC ACID 10%	60 ^o
359	TAR AND TAR OIL	A
360	TARTARIC ACID	A
361	TETRAETHYL LEAD	L
362	TETRAHYDROFURAN	A
363	TOLUENE	A
364	TRICHLORETHYLENE (DRY)	A
365	TRITHANOLAMINE	A
366	TRIPHENYLAMINE	L
367	TRISODIUM PHOSPHATE	B
368	TUNG OIL (CHINA WOOD OIL)	L
369	TURPENTINE	A
370	UREA FORMALDEHYDE RESINS	A
371	VANILLA EXTRACT	A
372	VARNISH	A
373	VEGETABLE OILS	A
374	VINEGAR (5% APP. 7)	38 ^o
375	VINYL CHLORIDE	A
376	WATER (Fresh) (Ph APP.7)	105 ^o
377	WATER (ALKALINE) - Ph> 8	L
378	WATER (ACID) - (Ph< 6.5)	L
379	WAXES (FURNITURE or FLOOR)	A
380	WHALE OIL	L
381	WHITE WATER	C



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Sr.	Service Liquid	Remark
382	WHISKY AND WINES	A
383	XYLENE OR XYLOL	A
384	ZINC BROMIDE	B ²⁴
385	ZINC CHLORIDE 3%	B ²⁴
386	ZINK HYDROXIDE	L
387	ZINK SULFATE	B ²⁴

Remark	Description
A	Satisfactory to maximum temperature suggested
B	Fair to maximum temperature suggested
C	Not recommended
L	No data, likely to be compatible
X	No data, not likely to be compatible
Temp	In Degree Celsius

NOTE: Above mentioned is compatibility is for guidance only. We advice users to conduct their own tests to determine the safety and suitability of filter material with any chemical at any temperature for the users specific application. Vats Micro Fine Filters Pvt. Ltd. declares to use above data as guidance and guarantee is made. The data is collected with various experiments from various sources.