



## Granular Activated Carbon Filters

Removal of Dissolved Compounds by Adsorption

**Yardney Granular Activated Carbon (GAC) filtration systems** utilize the adsorptive qualities of the media to remove highly dispersed compounds from water sources which are too small for removal with standard multi-media filtration technology. These automatic filtration systems are extremely effective in removing chlorine and chlorine related compounds, organic chemicals, tastes and odors, halogenated organic compounds, hydrocarbons and other highly dispersed contaminants. Yardney GAC filtration systems utilize a vertical side shell depth of 72 inches. All Yardney industrial media filters utilize our simple backwash system for ease of operation and consistent water quality. The Yardney automatically controlled filter systems operate for extended periods of time prior to a short backwash cycle.



### Applications

- Removal of chlorines, organic chemicals, taste and odor, halogenated organic compounds, hydrocarbons or other highly dispersed contaminants
- Polishing filter for contaminants not removed by other filtration systems
- 100 psi standard operating pressure (high pressure systems available)
- Flow ranges from 5 gpm

### Advantages

- State of the art fabrication provides added strength under pressure and long system life
- ASME code shaped head construction for durability and safety
- Stainless steel wedgewire underdrain
  - Ensures structural integrity in the harshest conditions
  - Hydraulically balanced to increase effectiveness of backwash while reducing flush frequency and waste of water
  - High strength stainless steel wedgewire will withstand a collapse pressure in excess of 600 psi
- Standard carbon steel products, 3/16" thick material
- Backwash automatically initiated by elapsed time or pressure differential
- Yardney easy-entry lid closure with weld tabs for operator safety
- Available in welded carbon steel or stainless steel
- 3M Scotchkote® 134 fusion bonded epoxy lining on interior surfaces
- Made in USA

Industrial, Commercial & Municipal

# Granular Activated Carbon Filters

## Specifications

SPECIFICATIONS   INDUSTRIAL   GRANULAR ACTIVATED CARBON FILTERS													
Model	Number of Tanks in System	Standard Flow Ranges (taste, odor, chlorine removal)				Filtration Surface Area (total sq ft)	Backwash Flow Rate (per tank)		Media Requirements (cubic feet)		Maximum Pressure	Inlet/Outlet Pipe Size	Backwash Line Pipe Size
		Minimum		Maximum			gpm	m³/hr	Gravel 1/2" - 3/4"	Activated Carbon			
		gpm	m³/hr	gpm	m³/hr								
GAC-1472-1A	1	5	1	11	3	1.07	11	2	1	4	100 psi	2"	2"
GAC-1872-1A	1	9	2	18	4	1.77	18	4	1	7	100 psi	2"	2"
GAC-1472-2A	2	11	3	21	5	2.14	11	2	1	9	100 psi	2"	2"
GAC-2472-1A	1	16	4	32	7	3.15	32	7	2	13	100 psi	2"	2"
GAC-1472-3A	3	16	4	32	7	3.21	11	2	1	13	100 psi	2"	2"
GAC-1872-2A	2	18	4	35	8	3.54	18	4	2	14	100 psi	2"	2"
GAC-3072-1A	1	25	6	50	11	4.91	49	11	3	20	100 psi	3"	3"
GAC-1872-3A	3	27	6	53	12	5.31	18	4	3	21	100 psi	3"	2"
GAC-2472-2A	2	32	7	64	15	6.30	32	7	3	25	100 psi	3"	2"
GAC-3672-1A	1	35	8	70	16	7.10	71	16	4	28	100 psi	3"	3"
GAC-2472-3A	3	48	11	94	21	9.45	32	7	5	38	100 psi	3"	2"
GAC-3072-2A	2	50	11	100	23	9.82	49	11	5	39	100 psi	4"	2"
GAC-4872-1A	1	63	14	126	29	12.60	126	29	7	50	100 psi	4"	4"
GAC-3672-2A	2	70	16	140	32	14.20	71	16	8	56	100 psi	4"	4"
GAC-3072-3A	3	75	17	150	34	14.73	49	11	8	59	100 psi	4"	2"
GAC-5472-1A	1	80	18	160	36	15.91	159	36	10	64	100 psi	4"	4"
GAC-3672-3A	3	105	24	210	48	21.30	71	16	12	84	100 psi	4"	4"
GAC-4872-2A	2	126	29	252	57	25.20	126	29	14	100	100 psi	6"	4"
GAC-5472-2A	2	160	36	320	73	31.82	159	36	19	127	100 psi	6"	4"
GAC-4872-3A	3	189	43	378	86	37.80	126	29	21	150	100 psi	6"	4"
GAC-5472-3A	3	240	55	480	109	47.73	159	36	29	191	100 psi	6"	4"
GAC-4872-4A	4	252	57	504	115	50.40	126	29	28	200	100 psi	8"	4"
GAC-4872-5A	5	315	72	630	143	63.00	126	29	35	250	100 psi	10"	4"
GAC-5472-4A	4	320	73	640	145	63.64	159	36	38	254	100 psi	8"	4"
GAC-4872-6A	6	378	86	756	172	75.60	126	29	42	300	100 psi	10"	4"
GAC-5472-5A	5	400	91	800	182	79.55	159	36	48	318	100 psi	10"	4"
GAC-5472-6A	6	480	109	960	218	95.46	159	36	57	381	100 psi	10"	4"

Other models and sizes are available.

### Standard product includes:

- Completely assembled for easy installation
- Skid mounted tanks
- Yardney easy-entry lid closure with side manway
- Valves
- Inlet/outlet and backwash manifolds
- Controller, solenoids, electrical wire, tubing
- Removable underdrain
- 3M Scotchkote® 134 fusion bonded epoxy lining on interior surfaces

### Available options:

- ASME code
- High pressure
- Solar package
- PLC controller
- Custom filter station layout piping
- Air scour
- Continuous flow
- Rinse to waste



Made in USA

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