



BetaQua Automatic Steel Filters

ASF-8 to ASF-70

1.0-125.0 m³ per hour

The system preferred by the consultants

Applications:

- Iron/Manganese removal
- Softening
- Demineralizing
- Suspended Solids/Slit Removal
- Organic/Chlorine Removal

Configuration

- Single systems up to 125.0 m³/hour
- Duplex alternating up to 125.0 m³/hour
- Parallel alternating with n-1 x 125.0 m³/hour

Instrumentation

- Inlet Bourdon Pressure Gauge
- Outlet Bourdon Pressure Gauge

Standard Features

- Sturdy Mild Steel or Stainless 304/316 Vessels
- Automatic Operation
- Timer based regeneration/backwash
- Manhole
- Distribution kits from Clack (USA) or Kleemeier (Germany)
- Mild Steel or Stainless Steel Face Piping

Premium Features

- Pressure Differential Alarm
- Automatic Operation
- Fixed flow restrictor for backwash/regeneration

Operating Parameters

- Operating Pressure: 4 bar (higher pressure rating optional)
- Temperature:

Materials of Construction

- Face piping: PVC Sch 80, PVC Sch 40, SS304/SS316, MST
- Valve body material: Brass or Noryl

In operation since 1985, our BetaQua media filters are well known among consultants for their reliability and durability. Comes in manual and automatic mode of operation, these filters are in use in commercial and industrial installations where quality comes first. These filters are designed to be easy to use and straight forward to control.

Options

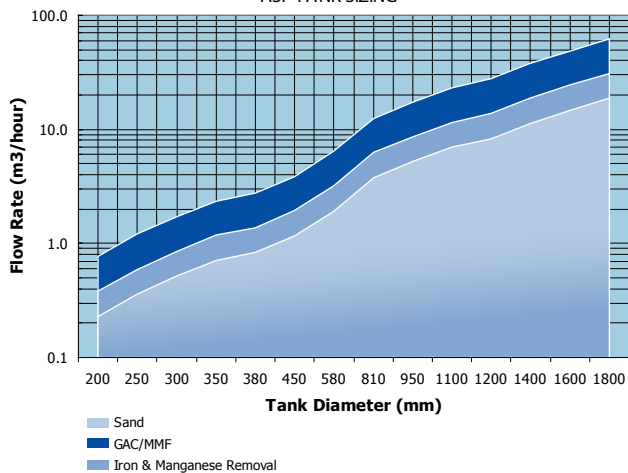
- No hard water/unfiltered water bypass
- Rubber lining
- Fibre lining
- Steam sanitizable (automatic/manual)
- Pressure transmitters 4-20mA
- Remote operation
- Chlorine generators for softening applications (selected units only)
- High salinity environment coating
- Mild Steel or Stainless Steel Skid
- Demand initiated backwash/regeneration
- Conductivity measurement (for demineralizers), transmitter and/or alarm
- ASME Code/Stamp

Available Media

- Iron Removal
Birm, Manganese Greensand, Manganese Greensand Plus, Ferrolite, Pyrolox
- Softening
Lewatit S-80 or S-100 (uniform PSD)
- Demineralizers
Lewatit S-100 and M-500
- Sedimentation
Anthracite, Sand, Zeosand, Multimedia

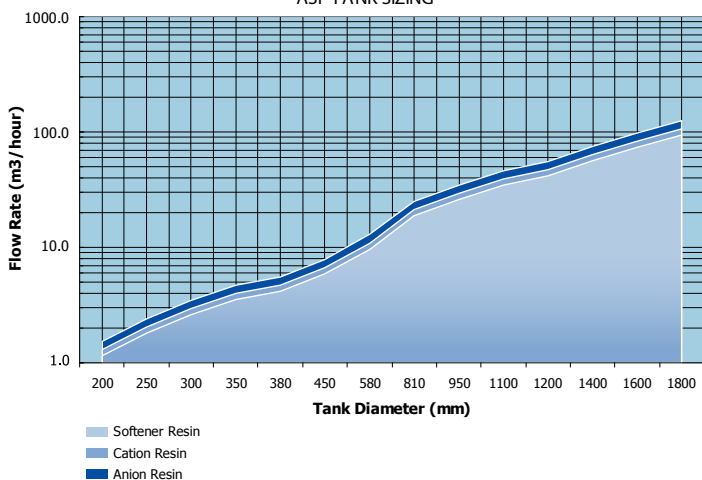


ASF TANK SIZING



	Sand	GAC/MMF	Iron&Manganese Removal
200	0.2	0.8	0.4
250	0.4	1.2	0.6
300	0.5	1.7	0.9
350	0.7	2.4	1.2
380	0.8	2.8	1.4
450	1.2	3.9	2.0
580	1.9	6.4	3.2
810	3.8	12.6	6.3
950	5.2	17.3	8.6
1100	7.0	23.2	11.6
1200	8.3	27.6	13.8
1400	11.3	37.6	18.8
1600	14.7	49.1	24.5
1800	18.6	62.1	31.1

ASF TANK SIZING



	Softener Resin	Cation Resin	Anion Resin
200	1.2	1.3	1.5
250	1.8	2.0	2.4
300	2.6	2.9	3.4
350	3.5	4.0	4.7
380	4.1	4.7	5.5
450	5.8	6.6	7.8
580	9.7	11.0	12.9
810	18.9	21.4	25.1
950	25.9	29.4	34.6
1100	34.8	39.4	46.4
1200	41.4	46.9	55.2
1400	56.3	63.9	75.1
1600	73.6	83.4	98.1
1800	93.2	105.6	124.2

ASF SIZING TABLE

gpm/ft2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Tank Size	gpm																		
ASF-8	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.4	3.7	4.1	4.4	4.7	5.1	5.4	5.7	6.1	6.4	6.8	
ASF-10	1.6	2.1	2.6	3.2	3.7	4.2	4.8	5.3	5.8	6.3	6.9	7.4	7.9	8.5	9.0	9.5	10.0	10.6	
ASF-12	2.3	3.0	3.8	4.6	5.3	6.1	6.8	7.6	8.4	9.1	9.9	10.7	11.4	12.2	12.9	13.7	14.5	15.2	
ASF-14	3.1	4.1	5.2	6.2	7.2	8.3	9.3	10.4	11.4	12.4	13.5	14.5	15.5	16.6	17.6	18.6	19.7	20.7	
ASF-15	3.7	4.9	6.1	7.3	8.5	9.8	11.0	12.2	13.4	14.6	15.9	17.1	18.3	19.5	20.8	22.0	23.2	24.4	
ASF-20	5.1	6.8	8.6	10.3	12.0	13.7	15.4	17.1	18.8	20.5	22.3	24.0	25.7	27.4	29.1	30.8	32.5	34.2	
ASF-25	8.5	11.4	14.2	17.1	19.9	22.8	25.6	28.4	31.3	34.1	37.0	39.8	42.7	45.5	48.3	51.2	54.0	56.9	
ASF-30	16.6	22.2	27.7	33.3	38.8	44.4	49.9	55.5	61.0	66.6	72.1	77.7	83.2	88.7	94.3	99.8	105.4	110.9	
ASF-40	22.9	30.5	38.1	45.8	53.4	61.0	68.7	76.3	83.9	91.6	99.2	106.8	114.4	122.1	129.7	137.3	145.0	152.6	
ASF-45	30.7	40.9	51.1	61.4	71.6	81.8	92.1	102.3	112.5	122.8	133.0	143.2	153.4	163.7	173.9	184.1	194.4	204.6	
ASF-50	36.5	48.7	60.9	73.0	85.2	97.4	109.6	121.7	133.9	146.1	158.3	170.4	182.6	194.8	207.0	219.1	231.3	243.5	
ASF-55	49.7	66.3	82.8	99.4	116.0	132.6	149.1	165.7	182.3	198.8	215.4	232.0	248.5	265.1	281.7	298.3	314.8	331.4	
ASF-60	64.9	86.6	108.2	129.9	151.5	173.1	194.8	216.4	238.1	259.7	281.3	303.0	324.6	346.3	367.9	389.6	411.2	432.8	
ASF-70	82.2	109.6	137.0	164.3	191.7	219.1	246.5	273.9	301.3	328.7	356.1	383.5	410.9	438.3	465.6	493.0	520.4	547.8	

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