



BetaQua Manual Steel Filters

MSF-8 to MSF-70

1.0-125.0 m³ per hour

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
- Manual operation
- Manhole
- Distribution kits from Clack (USA) or Kleemeier (Germany)
- Mild Steel or Stainless Steel Face Piping

Premium Features

- Pressure Differential Alarm
- 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 a large number of commercial and industrial installations in Indonesia where quality and reliability come first. These filters are designed to be easy to use and straight forward to control.

Options

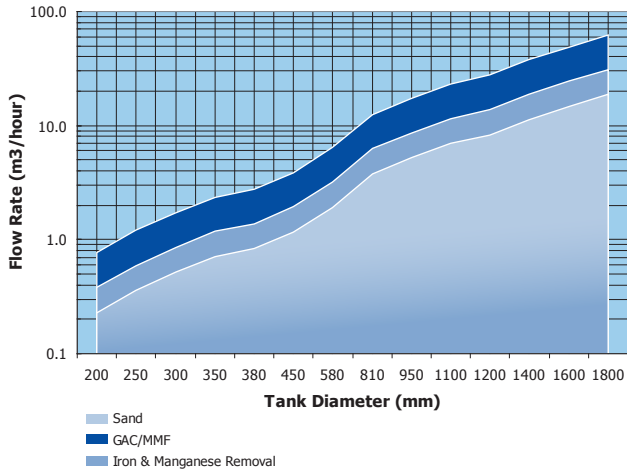
- Rubber lining
- Fibre lining
- Steam sanitizable manual
- Pressure transmitters 4-20mA
- High salinity environment coating
- Mild Steel or Stainless Steel Skid
- Conductivity measurement (for demineralizers), transmitter and/or alarm
- ASME Code/Stamp

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

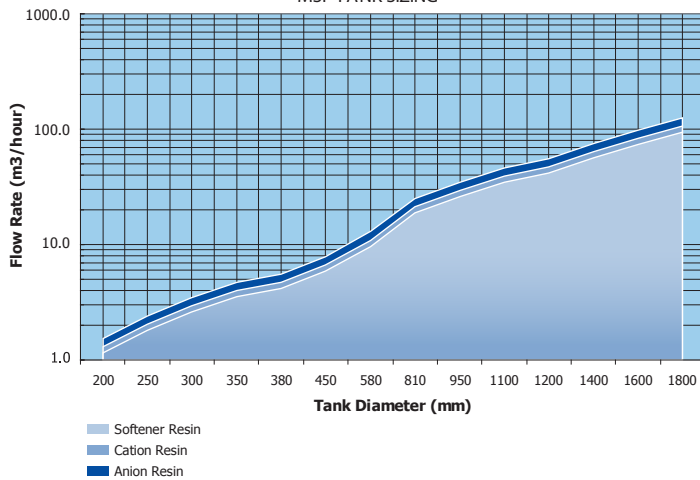


MSF TANK SIZING



	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

MSF 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

MSF 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																	
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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
MSF-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

For Further Information Please Call Beta Pramesti:

LOCAL LEADER IN ELECTRODEIONIZATION TECHNOLOGY



Branch Offices:

SAMARINDA

Jl. Ahmad Yani II No. 5
 SAMARINDA 75117
 Phone: 0541 - 202 209/202 334
 Fax: 0541 - 770 935
 E-mail: samarinda@beta.co.id

BANJARMASIN

Jl. Veteran Komplek A. Yani
 Ruko No.88
 BANJARMASIN 70237
 Phone: 0541 - 3254 372
 Fax: 0541 - 3254 372
 E-mail: banjarmasin@beta.co.id

JAMBI

Jl. Brig. Jend. Katamso No. 68A
 Tanjung Pinang
 JAMBI 36146
 Phone/Fax: 0741 - 33315
 E-mail: jambi@beta.co.id

SURABAYA

Wonokitri Indah S - 36
 Jl. May. Jend. Sungkono
 SURABAYA 60224
 Phone: 031 - 568 9677/562 0874
 Fax: 031 - 568 4363
 E-mail: surabaya@beta.co.id

Head Office:
 Jl. Matraman Raya No. 169
 JAKARTA 13140
 Phone: 021 - 858 0838
 Fax: 021 - 858 1270
 E-mail: sales@beta.co.id

or visit: www.beta.co.id

