

**BIR Ironremoval - Systems with BIRM** **1/2003**

**OEM's / Reseller**

Art. No.	Type	Flow* m³/h	Capacity**ppm Fe x m³		BIRM Vol. Ltr.	Valve SIATA Type	Tank in mm			Connections		Price/Unit timecontr.
			only Fe	Fe + Mn			Diameter*	Height*	Type	In	Out	
840 310	<b>BIR - 10</b>	0,3 - 1,0	50	36	28	V 132 F	259	1382	RT 1054	1"	3/4"	590 EUR
840 320	<b>BIR - 20</b>	1,0 - 2,0	100	74	56	V 132 F	333	1392	RT 1354	1"	3/4"	690 EUR
840 330	<b>BIR - 30</b>	1,0 - 3,0	150	110	84	V 230 F	356	1633	RT 1465	2"	1 1/2"	1.420 EUR
840 340	<b>BIR - 50</b>	1,0 - 5,0	250	180	141	V 250 F	508	1669	RT 1865	2"	1 1/2"	1.650 EUR
840 350	<b>BIR - 70</b>	1,0 - 7,0	355	260	198	V 250 F	554	1654	RT 2260	2 1/4"	2"	1.770 EUR
840 360	<b>BIR - 80</b>	1,0 - 8,0	400	300	226	V 360 F	625	1652	RT 2471	2 1/2"	2"	2.350 EUR
840 370	<b>BIR - 130</b>	2,0 - 12,0	670	485	367	V 360 F	785	2047	RT 3072	2 1/2"	2"	3.140 EUR
840 380	<b>BIR - 180</b>	2,0 - 15,0	920	660	509	V 360 F	905	2062	RT 3672	3"	2 1/2"	3.550 EUR

\*bei dP 1,2 bar

\*\* pH 7,2; 15°C

Art. No.	Type	Installation ( ca. in mm )		
		Length	Depth	Height
840 310	<b>BIR - 10</b>	300	300	1650
840 320	<b>BIR - 20</b>	400	400	1750
840 330	<b>BIR - 30</b>	500	500	1750
840 340	<b>BIR - 50</b>	600	600	1800
840 350	<b>BIR - 70</b>	600	600	1850
840 360	<b>BIR - 80</b>	700	700	1850
840 370	<b>BIR - 130</b>	900	900	2200
840 380	<b>BIR - 180</b>	1000	1000	2200

**Scope of Supply:**

- 1 GFK - Tank with Distributors and Aerationvalve
- 1 Central contr.valve + elect. time-Controller
- 1 BIRM - Filling
- 1 adjustable Snifflevalve with Non return valve
- 1 Drainage hose
- not included: 2 Pressure gauges ,  
2 Shut-off Valves,  
1 Flowmeter, Piping

**Operating Conditions:**

pH - Range 6,8 - 9,0  
 Temperaturerange 5 - 40 °C

Fe - + Mn- Concent. max. 8 mg/l  
 Mn- Content max. 2 mg/l  
 H<sub>2</sub>S - Content 0 mg/l  
 Oil - Content 0 mg/l  
 free Chlorine max. 0,2 mg/l

The organic matter ( COD ) of the feed water should not exceed more < 5 mg/l .

**Capacity** : ppm Fe x m³ or ppm (Fe+Mn) x m³  
**Standard - Operatingtime** ( hrs ) =  
**Capacity** / [ **Fe-Concent.** in feed ( in ppm ) x **Flow** ( in m³/h ) ] x fac  
 F<sub>k</sub>= 4 ( domestic ) ; F<sub>k</sub> = 2 ( semi Industry ) ; F<sub>k</sub> = 1 ( Industry 24 h Service )

The components are not assembled and will be shipped collected.

Technical changes possible.