

## GIR Ironremoval - Systems with Manganese Greensand

Art. No.	Type	Flow* m³/h	Capacity **ppm Fe x m³		M G Vol. Ltr.	Valve SIATA Type	Tank in mm			Connections	
			only Fe	Fe + Mn			Diameter*	Height*	Type	In	Out
840 410	<b>GIR - 10</b>	0,3 - 1,0	55	40	28	V 132 A	259	1382	RT 1054	1"	3/4"
840 420	<b>GIR - 20</b>	1,0 - 2,0	110	80	56	V 132 A	333	1392	RT 1354	1"	3/4"
840 430	<b>GIR - 30</b>	1,0 - 3,0	165	120	84	V 132 A	356	1633	RT 1465	2"	1 1/2"
840 440	<b>GIR - 50</b>	1,0 - 5,0	275	200	141	V 250 A	508	1669	RT 1865	2"	1 1/2"
840 450	<b>GIR - 70</b>	1,0 - 7,0	385	280	198	V 250 A	554	1654	RT 2260	2 1/4"	2"
840 460	<b>GIR - 80</b>	1,0 - 8,0	440	320	226	V 250 A	625	1652	RT 2471	2 1/2"	2"
840 470	<b>GIR - 130</b>	2,0 - 12,0	715	520	367	V 360 A	785	2047	RT 3072	2 1/2"	2"
840 480	<b>GIR - 180</b>	2,0 - 15,0	990	720	509	V 360 A	905	2062	RT 3672	3"	2 1/2"

\*bei dP 1,2 bar

\*\* pH 7,2; 15°C

Art. No.	Type	Installation ( ca. in mm )		
		Length	Depth	Height
840 410	<b>GIR - 10</b>	300	500	1650
840 420	<b>GIR - 20</b>	400	600	1750
840 430	<b>GIR - 30</b>	500	700	1750
840 440	<b>GIR - 50</b>	600	800	1800
840 450	<b>GIR - 70</b>	600	800	1850
840 460	<b>GIR - 80</b>	700	900	1850
840 470	<b>GIR - 130</b>	900	1000	2200
840 480	<b>GIR - 180</b>	1000	1100	2200

### Scope of Supply:

- 1 GFK - Tank with Distributors
- 1 Central Control Valve
- 1 Manganese Greensand - Filling
- 1 KMnO<sub>4</sub>-Brinetank
- 1 Drainage hose + 1 Suction hose
- not included: 2 Pressure gauges , 2 Shut-off Valves,  
1 Flowmeter, Piping

### Operating Conditions:

pH - Range	6,2 - 8,5
Temperaturerange	5 - 40 °C
Fe - + Mn- Concent	max. 15 ppm
Mn- Content	max. 5 ppm
H <sub>2</sub> S - Content	5 ppm
Oil - Content	0 ppm
Polyphosphates	none

**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.