

IRON REMOVAL WITH MTM

FOR THE REMOVAL OF IRON IN DIFFICULT CIRCUMSTANCES

The MTM filters contain:

- » Composite Vessel
- » Distribution systems
- » Clack valve - Chronometric electronic
- » Bypass
- » MTM + silex
- » Salt cabinet 10L with Platform and brine valve for the addition of KMnO4
- » KMnO4 not included!

Reference	Code	Description	Vessel	Filter medium (cft)	Flow (m ³ /h)			Back-wash flow (m ³ /h)	€
Clack WS1/WS125 CI- Chrono						10 m/h	15 m/h	25 m/h	
5003033323	MTM WS1 30	Filter MTM PALLAS 30 – WS1	10 54	1	0,5	0,7	1,2		
5003033421	MTM WS1 60	Filter MTM PALLAS 60 – WS1	13 54	2	0,8	1,2	2,1		
	MTM WS125 100	Filter MTM PALLAS 100 – WS125	16 65	4	1,3	1,9	3,1		
To be orderd in combination with MTM filters :									
1001028731	KMNO1	Potassium permanganaat - 1 kg box						per box	
1001026058	KMNO4	Potassium permanganaat - 25 kg bucket						per kg	
Spare parts for MTM iron filters									
0601020046	KMNO/BAK	Kaliumfeeder 10 L for KMNO type 20 Clack (with Platform and brine valve)							
0701010041	KMNO/Safety brine valve	Brine valve for KMNO cabinet							
0906015204	MTM	MTM iron removal (see Chapter Components)							
Testfilter									
1600008315	Master Plus MTM	Pallas MTM Testfilter							

IRON REMOVAL WITH SAND: OXIDATORS

The oxidators contain:

- » Composite vessel (top & bottom opening), mounted bottom distributor
- » Top distributor
- » Aeration rings in bags of 100L
- » Bleeding system included
- » 2 Connections 1/2" for:
 - » Compressed air 6 mm (quick connect) with electrovalve 230V (other tension to be clearly ad on the order), control valve and no return valve
 - » Test tap 1/2" or point of injection for pH correction (dosing pump, watermeter und dosing container: see Chapter components)



Reference	Code	Description	Vessel	Airation rings (l)	Flow (m ³ /h) - contact time 5min	€
5007083351	Pallas AU-14-63mm	Oxidator 14x65 - 63 mm + bleeding system	14 x 65	100	2,8	
5007083352	Pallas AU-16-63mm	Oxidator 16x65 - 63 mm + bleeding system	16 x 65	150	3,4	
5007083353	Pallas AU-18-63mm	Oxidator 18x65 - 63 mm + bleeding system	18 x 65	200	4,9	
5007083354	Pallas AU-21-63mm	Oxidator 21x60 - 63 mm + bleeding system	21 x 60	250	6,2	
5007083357	Pallas AU-24-63mm	Oxidator 24x69 - 63 mm + bleeding system	24 x 69	400	9	
5007083355	Pallas AU-30-63mm	Oxidator 30x72 - 63 mm + bleeding system	30 x 72	500	14	
5007083356	Pallas AU-36-63mm	Oxidator 36x72 - 63 mm + bleeding system	36 x 72	500	20	
5007087970	Pallas AU-42-75mm	Oxidator 42x78 - 63 mm + bleeding system	42 x 78	1000	27	

Accessories

3103000921	Aeration valve AE14 1/2" BSP (Spirax Sarco)
1503010001	Compressor 400 l/min - 50L

The injection of air (oxidation) requires compressed air (max. 6 bar) that is to be provided at the site, possibly by placing a compressor.

IRON REMOVAL WITH SAND: SANDFILTER (FLECK/CLACK)

The sandfilters contain:

- » Composite Vessel
- » Distribution systems
- » Clack or Fleck valve - Chronometric electronic filter version
- » Sand + silex
- » In case of side mount: PVC-kits with support in stainless steel



Reference	Code	Description	Vessel	Filter medium (KG)	Flow (m ³ /h)			back-wash flow (m ³ /h)	€
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Clack - Top Mounted

					10 m/h	15 m/h	25 m/h		
5003058774	Pallas SF-16-C	PALLAS sandfilter 100 - WS1	16 x 65	150	1,3	1,9	3,1		
5003058775	Pallas SF-18-C	PALLAS sandfilter 150 - WS125	18 x 65	225	1,6	2,4	4,0		
5003058865	Pallas SF-21-C	PALLAS sandfilter 200 - WS15	21 X 60	375	2,2	3,2	5,4		
5003058776	Pallas SF-24-C	PALLAS sandfilter 250 - WS15	24 x 69	400	2,8	4,2	7,1		
5003058777	Pallas SF-30-C	PALLAS sandfilter 400 - WS2	30 x 72	600	4,4	6,6	11,0		

Clack - Side Mounted

5007058969	Clack WS2QCSM-400	PALLAS sandfilter 400 - WS2	30x72	600	4,4	6,6	11,0		
5007058974	Clack WS3 SM-600	PALLAS sandfilter 600 - WS3	36x78	900	6,4	9,5	15,9		
5007058975	Clack WS3 SM-800	PALLAS sandfilter 800 - WS3	42x78	1200	8,7	13,0	21,6		
5007058976	Clack WS3 SM-1000	PALLAS sandfilter 1000 - WS3	48x82	1500	11,3	17,0	28,3		

Fleck - Top Mounted

5003058768	Pallas SF-16-F	PALLAS sandfilter 100 - 7700	16x65	150	1,3	1,9	3,1		
5003058769	Pallas SF-18-F	PALLAS sandfilter 150 - 7700	18x65	225	1,6	2,4	4,0		
5003058920	Pallas SF-21-F	PALLAS sandfilter 200 - 2850SXT	21x60	375	2,2	3,2	5,4		
5003058770	Pallas SF-24-F	PALLAS sandfilter 250 - 2850SXT	24x69	400	2,8	4,2	7,1		

Fleck - Side Mounted

5007058979	Fleck 3150 SM-400	PALLAS sandfilter 400 - 3150	30x72	600	4,4	6,6	11,0		
5007058980	Fleck 3150 SM-600	PALLAS sandfilter 600 - 3150	36x78	900	6,4	9,5	15,9		

Option

Watermeter according to the diameter of the installation

See chapter Components - Watermeter

Configured to have no untreated water during backwash

Top/bottom vessel (diameter < 30")

Maximum 8ppm FE