WashTec has everything for your success in the washing business.













EXTENSIVE RANGE:

Providing the right solution for your washing business:

- **7** ROLLOVER CAR WASHES for low, medium and high washing volumes
- CONVEYOR TUNNEL SYSTEMS in a modular system for all dimensions, for all requirements
- **7** COMMERCIAL VEHICLE WASHING BAYS for paid washes and own washing needs
- SELF-SERVICE WASHING TECHNOLOGY in a modular system for all requirements and various site sizes
- → WATER TREATMENT chemical-free and environmentally friendly
- **▶** WASHTEC CHEMICALS cleaning and care products for all car washes

RAPID SERVICE:

Widespread deployment of skilled service technicians - always close to you.

FLEXIBLE FINANCING CONCEPTS:

We promote your business on fair terms.

RELIABLE EXPERIENCE:

Innovative car wash technology for more than 50 years.

Every day, more than 2 million cars are washed in WashTec car washes.

VALUABLE SERVICES:

- > SITE ANALYSIS TO DEFINE THE BEST SOLUTIONS FOR YOUR BUSINESS
- abla Feasibility studies support the Careful Planning
- EMPLOYEE SALES TRAINING BOOSTS TURNOVER

CERTIFIED QUALITY:

Certifications as per EN ISO 9001, 14001 - for your safety.

910161_Bro_Kiesfilter_MF_A4_en_01/2013_WT© · Subject to technical changes in addition to design and equipment modifications of the products without prior notice. Illustrations depict design examples and, in some cases, show special equipment options subject to a surcharge.





WashTec Cleaning Technology GmbH
Argonstraße 7 · D-86153 Augsburg
Telefon +49 (0)821/55 84-0
Telefax +49 (0)821/55 84-14 10

→ HIGH PERFORMANCE WATER TREATMENT

MF Graval Filter

WATER RECOVERY FOR HIGH WASHING LEVELS





MF Gravel Filter -

() WashTec

efficient water recovery for conveyor tunnel wash and commercial vehicle wash facilities.



THE MF GRAVEL FILTERS - WATER RECOVERY PROVEN IN PRACTICE

- The water quality meets the specification for vehicle washing facilities in all respects
- Your investment will pay off quickly because operating costs are lower (up to 85 % of process water can be recovered)
- 7 Minimal maintenance required

- **尽 Extremely reliable**
- → Easy to operate
- Filters out solids down to 50 micrometers (water flow 10-40 m³/hour)
- 7 Filter material does not need to be replaced
- The modular design allows the water recovery system to be configured for any purpose

→ MFA SYSTEM



The control head of the automatic back-rinsing devices ensures that the filter is regularly rinsed through automatically.

MFM SYSTEM



The central control valve of the manual back-rinsing device means that the filter can be easily rinsed through in a short time.

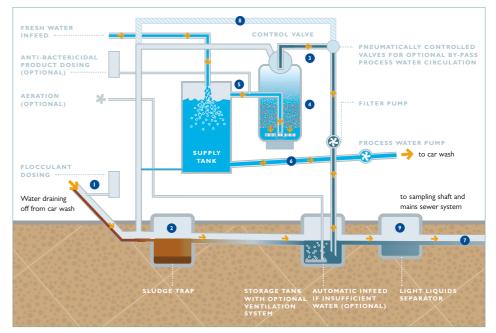
₹ TECHNICAL DATA

	MFM/A10		MFM/A 20	MFM/A 30	MFM/A 40
Electrical	V/kW	400/1,7	400/2,2	400/2,6	400/3,2
connection value					
Process water capacity	max	10m³/h	20m³/h	30m³/h	40m³/h
	min	7,5m ³ /h	15m³/h	22m³/h	30m³/h
Space required for	cm	100 x 150	100 x 170	150 × 200	150 x 200
filter system, W x D					
Process water tank	cm	$270\times75\times200$	$270\times75\times200$	$270\times75\times200$	270 x 75 x 200
$W \times D \times H$					
Minimum	m^3	2 x 8	3 x 8	3 x 10	4 x 10
sludge trap volume					

7 OPTIONEN

- Low-chemical version with process water revitalising circulation (process water bypass)
- Chemical-free design
- Removable storage tank suction strainer (recommended if textile washing materials are used)
- Anti-bactericidal product dosing
- Automatic infeed of fresh water if there is insufficient water in the storage tank

7 THE FILTRATION CYCLE - THIS IS HOW DIRT IS REMOVED AND FRESH WATER SAVED.



- The waste water from the vehicle wash is taken to the water recovery system and a flocculant is added.
- 2. Solids are separated out and removed in the sludge trap.
- 3. The pre-cleaned water is then pumped from the storage

tank into the filter.

- During filtration, the water flows through one fine and one coarse layer of gravel.
- The water, from which solids have been removed, flows into a supply tank.
- From the supply tank, the water is pumped to the car wash.
- Excess water is taken to the sampling shaft and/or sewer system for disposal.
- 8. To prevent the formation of odours if the car wash is not used for some time (at night, weekends), a circulation pipe (process water bypass) can be integrated as an option.
- Light liquids are separated out and removed in the light liquids separator.

02 MF GRAVEL FILTER