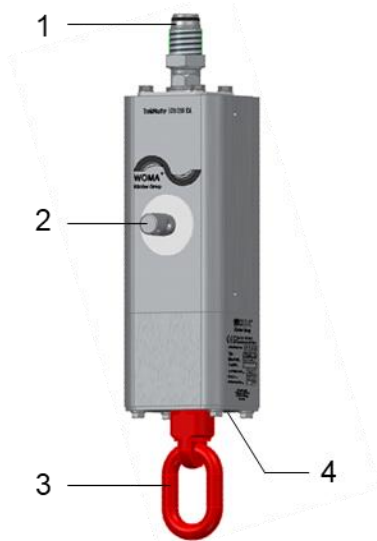


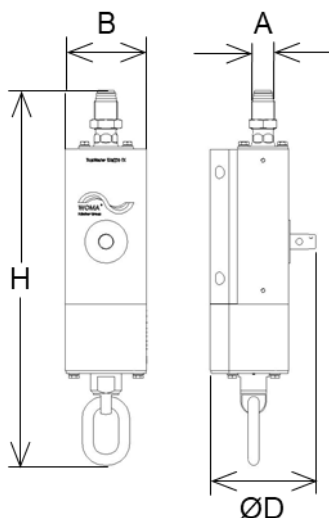
# Internal tank cleaning system

## TankMaster 500/200 EX

The TankMaster cleaning system is a high-performance water jet tool for cleaning the inside of tanks and containers of all kinds, especially for cleaning autoclaves in the chemical industry. In systems with a potentially explosive atmosphere, the TankMaster is used to clean the inside of containers in which it is to be expected that an explosive atmosphere consisting of a mixture of air with flammable substances, e. g. in the form of gas, steam, mist etc., occurs during normal operation. The TankMaster can be customized to your tank sizes with different rotor options and nozzles.



- 1 High-pressure hose connection
- 2 Rotor connection (accessories)
- 3 Rotable suspension
- 4 Eddy-current brake adjusting screw (variable rotational speed)



### Special benefits

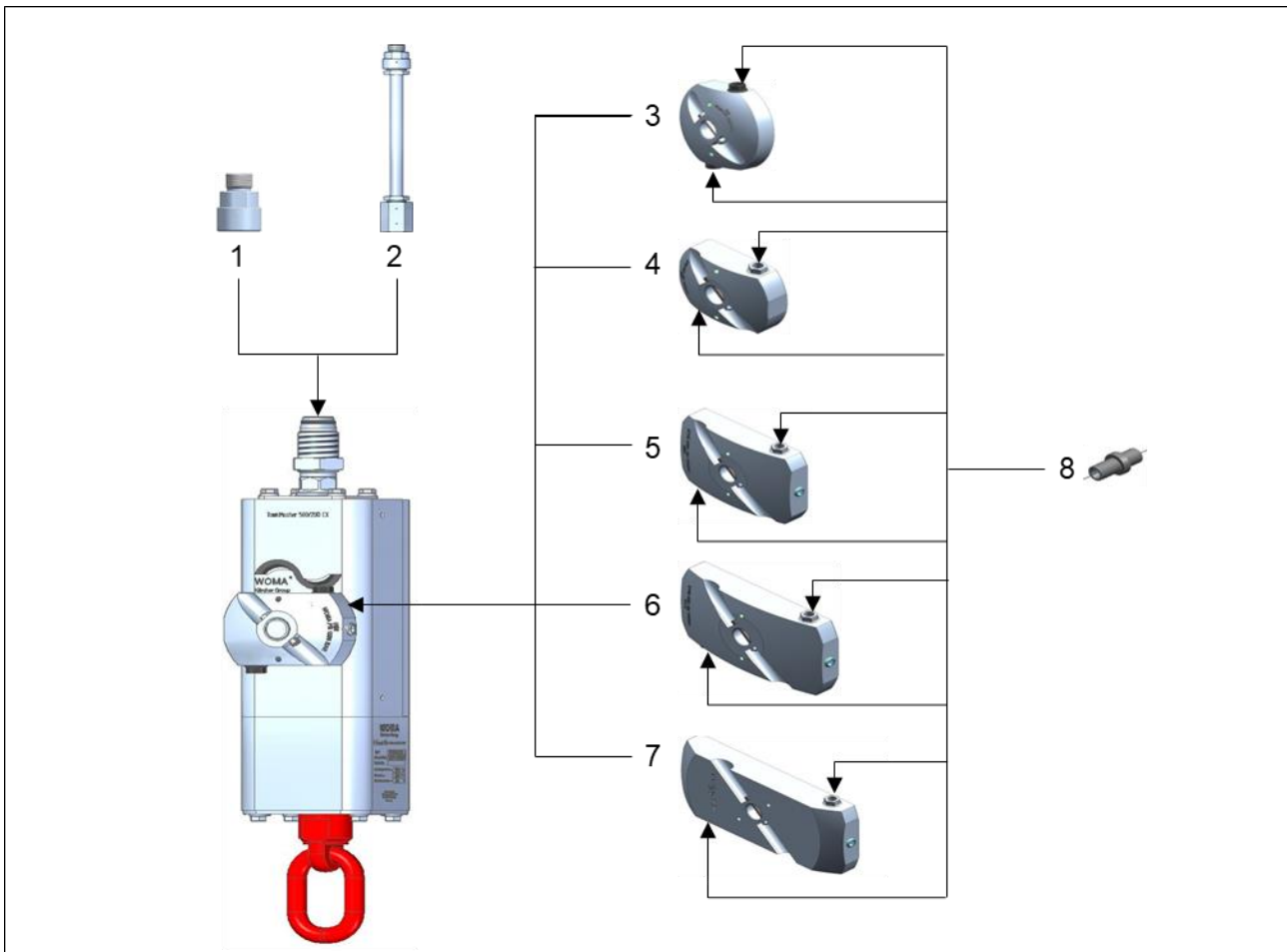
- Use in potentially explosive environments marked II 2G Ex h IIC T4 Gb und II 2D Ex h IIIC T135°C Db
- Optimization of cleaning results due to special gear drive design
- Proven sealing system and hardened gears for long service life
- Easily adjustable eddy current brake for variable rotational speed
- Housing and pressurized parts made of stainless steel
- Small diameter
- Positioning devices, with and without ball joint, are optionally available for variable positioning of the TankMaster inside of the tank

### Technical Data

Material number	9.914-584.0	
Operating pressure	max.	500 bar
Nominal flow rate	max.	200 l/min
Medium temperature (fluid)	max.	+70 °C
Ambient temperature	+5 °C up to +70 °C	
Usable nozzles (accessories)	"Form 4"	
Number of nozzles	2	
Rotor speed	10 - 100 1/min	
Height (w/o rotor)	approx.	13 kg
Height H	approx.	440 mm
Width B	approx.	95 mm
Diameter D	approx.	124 mm
Tank diameter	max.	3,000 mm
High-pressure hose connection A	M24x1,5 M36x2	

Required opening diameter	
Rotor	Minimal diameter [mm]
H30	130
H50	128
H80	135
H110	135
H150	137

## Accessories



Item	Accessories	Material number
1	Adapter for high-pressure hose connection	Refer to high-pressure hose connection chart
2	High-pressure stabilising pipe	Refer to high-pressure stabilising pipe chart
3	H30 rotor	9.916-149.0
4	H50 rotor	9.740-648.0
5	H80 rotor	9.740-649.0
6	H110 rotor	9.740-650.0
7	H150 rotor	9.740-651.0
8	"Form 4" nozzle	Refer to nozzle selection charts



High-pressure hose connection		
Hose connection	DN nominal size [mm]	Material number
M24 x 1.5	12	9.878-514.0
M36 x 2	20	9.878-515.0



High-pressure stabilising pipe		
Hose connection	Length [mm]	Material number
M24 x 1.5	500	9.913-042.0
M24 x 1.5	1,000	9.913-041.0
M36 x 2	500	9.913-051.0
M36 x 2	1,000	9.913-050.0

## Nozzle selection

The Nozzle to be ordered twice!



H30 rotor						
Material number 9.916-149.0						
Material number of nozzle	Ø nozzle [mm]	Operating pressure [bar]				
		100	200	300	400	500
Nozzle throughput [l/min] for 2 "Form 4" nozzles						
9.885-964.0	2.3					142
9.885-935.0	2.4					155
9.885-936.0	2.5				150	168
9.885-965.0	2.7				175	
9.885-937.0	2.8				188	
9.885-933.0	2.9			175		
9.885-938.0	3.0			187		



H50 rotor						
Material number 9.740-648.0						
Material number of nozzle	Ø nozzle [mm]	Operating pressure [bar]				
		100	200	300	400	500
Nozzle throughput [l/min] for 2 "Form 4" nozzles						
9.885-932.0	1.8					87
9.885-952.0	1.9					97
9.885-933.0	2.0				96	107
9.885-934.0	2.2				116	
9.885-964.0	2.3			110	127	
9.885-935.0	2.4			120		
9.885-936.0	2.5			130		
9.885-965.0	2.7			151		
9.885-937.0	2.8		133			



<b>H50 rotor</b>						
Material number 9.740-648.0						
Material number of nozzle	Ø nozzle [mm]	Operating pressure [bar]				
		100	200	300	400	500
		Nozzle throughput [l/min] for 2 "Form 4" nozzles				
9.886-905.0	2.9		143			
9.885-938.0	3.0		153			
9.885-939.0	3.2		174			
9.886-904.0	3.3		185			
9.885-941.0	4.0	192				



<b>H80 rotor</b>						
Material number 9.740-649.0						
Material number of nozzle	Ø nozzle [mm]	Operating pressure [bar]				
		100	200	300	400	500
		Nozzle throughput [l/min] for 2 "Form 4" nozzles				
9.885-945.0	1.4				53	
9.885-931.0	1.5				61	
9.885-947.0	1.6				62	
9.885-946.0	1.7				70	
9.885-932.0	1.8			68		
9.885-952.0	1.9			75		
9.885-933.0	2.0			83		
9.885-934.0	2.2		83			
9.885-964.0	2.3		90			
9.885-935.0	2.4		98			
9.885-939.0	3.2	123				
9.886-904.0	3.3	131				
9.885-940.0	3.5	147				



<b>H110 rotor</b>						
Material number 9.740-650.0						
Material number of nozzle	Ø nozzle [mm]	Operating pressure [bar]				
		100	200	300	400	500
		Nozzle throughput [l/min] for 2 "Form 4" nozzles				
6.025-199.0	1.2				39	
6.025-196.0	1.3				41	
9.885-945.0	1.4				47	
9.885-931.0	1.5			47		
9.885-947.0	1.6			53		
9.885-952.0	1.9		62			
9.885-933.0	2.0		68			
9.885-965.0	2,7	88				
9.885-937.0	2.8	94				



<b>H150 rotor</b>						
Material number 9.740-651.0						
Material number of nozzle	Ø nozzle [mm]	Operating pressure [bar]				
		100	200	300	400	500
		Nozzle throughput [l/min] for 2 "Form 4" nozzles				
6.025-198.0	1.0					27
9.885-951.0	1.1				29	
6.025-196.0	1.3			35		