

MAHLE

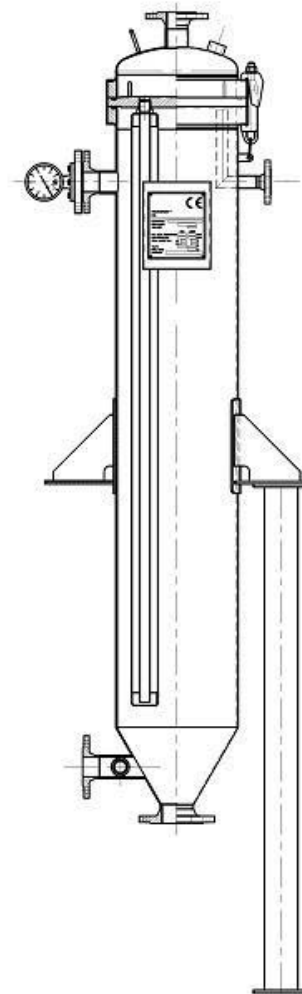
Industry

Polishing Filter

PTSWCD

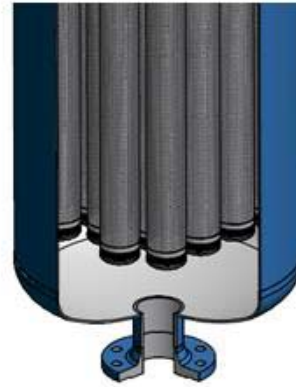
1. Introduction

For typical polishing applications and/or tank filling applications MAHLE Industrial Filtration offers a special range of pulse tube back wash filter equipment with tubular elements cleaned by the back wash principle. Filter elements can be wire mesh, cloth covered or wedge wire elements to suit the filtration needs of the application. All elements are suspended from a tube-sheet clamped between the cover and the tank flange. The PTSWCD filter can be easily integrated in the existing process and it's sequence can be automated completely.



2. Standard specifications

Material tank	: Carbon steel or stainless steel
Material filter elements	: Stainless steel
Design pressure	: 6/-1 bar (g) (Other pressures upon request)
Design temperature	: 150 °C (Other temperatures upon request)
Operating temperature	: depending on the filter media and gaskets used
Design	: ASME
Filter medium	: Needle felt, mono/multifilament cloth, wedge wire
Approval	: PED 97/23/EC ASME U-stamp others on request
Maximum differential pressure	: 4.5 bar



3. Connection

- Filter equipment with connections for feed/product inlet; filtrate outlet; slurry drain, vent
- Pressure gauge connection
- 2x Instrument connection
- Nozzles: DIN OR ANSI, RF, WN
- Filter with bracket for floor mounting or support legs



4. Models

Model	Filter Area [m ²]	Number of filter elements	Max. Vessel volume [l]	Pulse buffer tank volume [l]	Weight empty (with elements) [kg]
PTSWCD-324/1500/2.4/7	2.4	7	150	20	292
PTSWCD-406/1500/4.5/13	4.5	13	250	30	378
PTSWCD-508/1500/7.6/22	7.6	22	360	50	482
PTSWCD-610/1500/12.8/37	12.8	37	580	75	672
PTSWCD-711/1500/19/55	19	55	750	100	830

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