

# Sand filter

## Application

It is used to filter impurities and other particles from the water.

## Model

Sand filter unit contains:

- Filter vessel filled with quartz and stabilized sand
- Recirculation pumps (connections from plastic or stainless steel; pump rotor made of stainless steel)
- Main control valve from ABS
- Pipelines from PVC,
- Time controlled backwash function.

## Advantages

Advantages of sand filter are:

- Automatic, time controlled backwashing
- High filtering efficiency thanks to the quartz sand with an appropriate grain size
- Easy installation.



Sand filter pressure vessels

## Technical data

Sand filter		PF 5	PF 10	PF 15	PF 20
<b>Filter pressure vessel</b>					
- diameter	mm	460	615	765	910
- height	mm	825	955	1.095	1.200
- fill mass	kg	85	165	315	495
<b>Connections</b>					
- water inlet		DN40 PN10	DN 40 PN10	DN 50 PN10	DN 65 PN10
- filtered water		DN40 PN10	DN 40 PN10	DN 50 PN10	DN 50 PN10
- waste water		DN32 R5/4"	DN 40 PN10	DN 50 PN10	DN 50 PN10
- outlet		min. Φ 75	min. Φ 110	min. Φ 125	min. Φ 125
<b>Recirculation pump</b>					
- IP code	IP	54	54	54	54
- motor power	kW	0,55	1,1	1,5	1,85
- flow rate	m <sup>3</sup> /h	5	10	15	20
- housing material		AISI 304	AISI 304	AISI 304	AISI 304
- pump rotor		AISI 304	AISI 304	AISI 304	AISI 304
<b>Electrical connection</b>					
- voltage	V	400	400	400	400
- frequency	Hz	50	50	50	50
<b>Allowed working conditions</b>					
- max. pressure	bar	3,5	3,5	3,5	3,5
- max. temperature	°C	35	35	35	35
<b>Dimensions</b>					
- length	mm	1.100	1.300	1.300	1.300
- width	mm	650	850	1.000	1.000
- height	mm	1.600	1.600	1.700	1.800