

Twin Plate Scavenger

Horizontal Plate Scavenger

Our Twin Plate Scavenger filter utilises a unique plate combination of reliability and optimal product recovery. Horizontal Plate filters are suitable for batch filtration and fluids with a high dirt load.

In the Twin Plate filter the contaminated fluid enters the vessels and flows through the filter media towards the central outlet pipe, where it is discharged.

Because the last filter plate is at the bottom of the tank, the filter leaves no fluid residue. This means that a minimal volume of unfiltered liquid is left behind in the filter tank. Therefore the filter is ideally suited for expensive liquids.



Contact Information

Twin Filter BV
A Parker Hannifin company
Zuiddijk 398
1505 HE Zaandam
The Netherlands

phone +31 756 555 000
fax +31 756 555 015
twinfilter.info@parker.com

www.parker.com/processfiltration
www.twinfilter.com

Benefits

- Suitable for expensive liquids
- Excellent cake recovery
- Excellent precoating
- Excellent cake discharge
- Totally enclosed construction
- Suitable for many applications

Applications

- Edible oil
- Bio diesel
- Oleo chemicals
- Inks & resins
- Gelatine
- Sweeteners / Sugars
- Chemicals



ENGINEERING YOUR SUCCESS.

Twin Plate Scavenger

SPECIFICATIONS

Filter Construction

Tank Diameter

- 18 inch: 520 liter
- 33 inch: 915 liter

Filtration Area

- 18 inch: 0,9 - 3,6 m² (9.7 - 38.8 ft²)
- 33 inch: 3,5 - 21,0 m² (37.7 - 226 ft²)

Cake Space

- 18 inch: 2,6 - 60 liter
- 33 inch: 33 - 370 liter

Plate Height for 18 inch tank

- XS: 14 mm
- S: 25 mm
- D: 50 mm

Plate Height for 33 inch tank

- XS: 25 mm
- S: 38 mm
- D: 64 mm

Materials of Construction

Filter housing

- Stainless steel 316L
- Others on request*

Filter Plates

- Stainless steel 316L
- Others on request*

Fittings

- Standard flanged connection according EN 1092 or ASME

Design Code

- According PED97/23/EC or U-stamp. Optional certifications for JIL, GOST, SQLO and others.

Operating Conditions

Design Temperature

- 120°C (248°F)

Design Pressure

- Standard 6 bar (87 psi)

Max. Differential Pressure Elements

- 3,5 bar (50 psi)

Filter plates for Scavenger filters are available in three versions to meet the obtainable cake thickness in combination with the required flow rate:

- XS:** type for low solid loads
- S:** type for average solid loads
- D:** type for high solid loads



Article description (always contact us before ordering).

TPS

Tank Size		Type		Number of Plates		Tank Diameter		Plate Height	
Code	Inch	Code	Description	Code	No	Code	Liter	Code	mm
18	18	XS	Type for solid loads	4	4	520	520	14	14
33	33	S	Type for average solid loads	6	6	915	915	25	25
		D	Type for high solid loads	7	7	Others on request		38	38
				...	etc			50	50
								64	64
								Others on request	

Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety

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