



# Top Entry Bag Filter Vessel TF series

## TOP ENTRY FILTER VESSEL

Universal Top inlet bag filter designed to give you perfect 360 degree sealing of plastic collar fully welded filter bag sit inside the filter to ensure absolute no by pass, it gives you the top performance in your most challenging liquid filtration process.

All bag filter designs are in ASME VIII see VIII DIV I standard.

### Features

- The precision casting top cover has high precision, few welds and stable pressure resistance
- The top cover directly presses and seals the filter bag to ensure the filtration process
- Almost 100% no leakage
- The inner and outer surfaces of the cylinder are sandblasted, the inside is smooth,
- Cleaning work is easier
- Designed according to ASME standards
- Operating pressure: 10 bar / 120 degrees Celsius

### Design

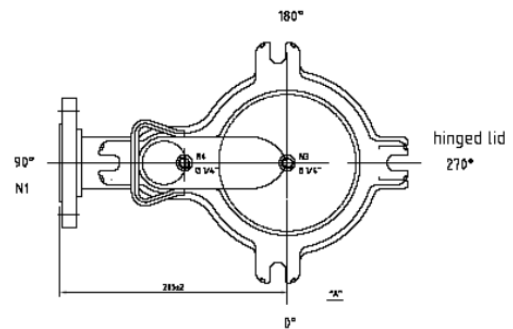
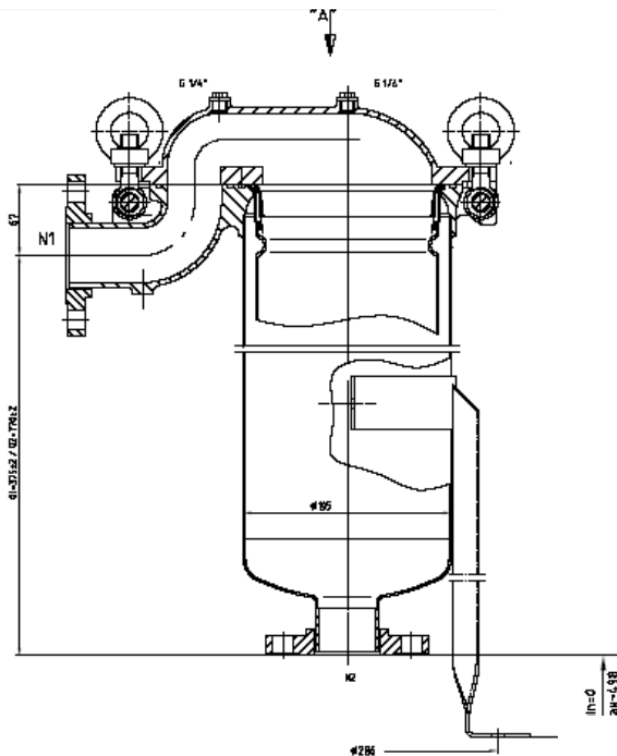
- Best Sealing design suitable for critical filtration demands
  - Precision casting head to reduce pressure loss
  - Easy cleaning for your next job
- ASME Design



## TF Vessel Engineering Specification <sup>1</sup>

Vessel Type	<b>TF1A1-10-020A</b>		<b>TF1A2-10-020A</b>	
Size	Size 01		Size 02	
Filter Area	0.25m <sup>2</sup>		0.50m <sup>2</sup>	
Theoretical Flow Rate	20m <sup>3</sup> /hour		40m <sup>3</sup> /hour	
Maximum Operating Pressure	10.0bar		10.0bar	
Maximum Operating Temperature	120°C		120°C	
Material of Construction	All Wetted Parts	Type 304 or 316L stainless steel		
	Restrainer Basket			
Seal Material	Buna, EPDM, Viton, PTFE, Viton+PTFE			
Standard Inlet/Outlet	2" Flange		2" Flange	
Surface Finish	Glass Bead Blasted (standard)			
Filter Volume	13.0 litres		27.0 litres	
Housing Weight	20kg (approx.)		25kg (approx.)	
Installation Height	98cm (approx.)		181cm (approx.)	
Installation Space	50cm x 50cm (approx.)		50cm x 50cm (approx.)	

## TF Vessel Engineering Drawing Sample <sup>2</sup>



N3/N4	lid holes	1/4" BSP female with plug	
N2	outlet	Flange ANSI 2" 150P RF	
N1	inlet	Flange ANSI 2" 150P RF	
Stützen Nozzle	description	Nom. Size	Form facing

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(1&2) For more detailed descriptions and information suited for your requirements, contact us at sales@particlesolutionz.co.nz. Uses may vary depending on needs and requirements of end client.