



## ZETA FILTER HOUSINGS

Meeting your demands for quality, service life and ease of operation

The reliable and efficient separation of liquids and gases represents an important concern for the pharma, biotech, and food industries. ZETA makes a substantial contribution by offering Filter Houses designed to adhere to the rigorous standards of biopharmaceutical manufacturing.

The Filter Housings are available in single- and multi-round configurations (1-, 3-, and 5-round as standard; 8-, and 12-round on request), with different inlet and outlet connections. While an operator-friendly standard clamp is provided for single-round housings, the multi-round versions are equipped with segment clamps.

In addition to a variety of standard versions of air and liquid housings of different dimensions, ZETA offers customized solutions, tailored to meet your specific requests. GMP requirements are perfectly taken care of, and the compliance to the ASME BPE standard is guaranteed.



## Materials and specifications:

### PROCESS-CONTACT PARTS:

<b>Steel grade:</b>	Standard	1.4404 (SS316L)	<b>O-rings:</b>	Standard	EPDM
	Optional	1.4435		Optional	Silicone
		1.4529			PTFE
		Others on request			
<b>Surface roughness:</b>	Standard	Ra: <0.38 µm, Electropolished (SF4 acc. ASME BPE)	<b>Standards:</b>	according to	FDA, USP-Class VI, ASME, PED
	Optional	Others on request			
<b>Certificates:</b>	Standard	2.1 & 3.1 Mat. Certificates	<b>End connections:</b>	Standard	Weld end
	Optional	3.2 Mat. Certificates		Optional	Tri-Clamp
					DIN 11864-1 connector
					DIN 11864-3 connector
		Others on request			
<b>Pipe Standard:</b>	Standard	ASME BPE	<b>Design pressure:</b>	Standard	-1 to 10 bar (g)
	Optional	Others on request		Optional	Others on request
<b>Max. Operation Temperatur</b>	150°		<b>Adapter design:</b>	25 Code 7 (Type: 226)	
<b>Closure system:</b>	Standard	1R: Tri-Clamp as per ISO 2587 Multi-round: Quick release Segment screw clamp	<b>Height:</b>	5", 10", 20", 30"	

### NON-PROCESS CONTACT PARTS:

<b>Steel grade:</b>	Standard	SS304
	Optional	Others on request

## Documentation

### Standard:

- Material inspection certificate 3.1 (or another specific requirement)
- Weld inspection report
- Borescope
- Surface finish report
- Weld map, Weld log, GA
- EP & Passivation report
- USP class VI certificate (FDA conformity)

### Optional:

- ASME Certification
- PED Certification
- PMI report
- Ferrite content report
- TSE/BSE Certificate (Certificate of conformance)

## The benefits at a glance

- ▶ Suitable for all well known filter suppliers
- ▶ Combining sanitary design and cost-effectiveness
- ▶ Suitable for SIP and CIP
- ▶ Crevice-free design for enhanced cleanability
- ▶ Options for integrity testing available
- ▶ Delivery of Standard Filter housing within 10 weeks
- ▶ Spare parts available

