



## Universal Series® Single Round Filter Housings

More From ABC!

Allegheny Bradford has built a reputation for excellence in manufacturing superior process components and systems. Our Universal Series single round filter housings provide the precision fabrication and superior quality of the industry’s leading manufacturer.

These finely crafted 316L filter housings are ideal for a variety of industries including pharmaceutical, food, dairy, beverage, electronics, and chemical.

Features & Benefits

- “Universal” recessed tapered code 7 lock – accepts all major manufacturer’s code 7 filter elements
- T-Style and In-Line options
- User configurable to get the options you need
- Code 0, Code 7, and Code 7 wire connections available
- No drawing approval process
- 100% pressure tested in our facility
- Standard documentation package in electronic form
- Private labeling/logos available upon request

Specifications

Materials

Housing	316L stainless steel
Clamp	304L Std (ASME Code – 316)
Gaskets	USP Class VI Silicone, EPDM, FKM, PTFE
Valve O-rings	USP Class VI Silicon, EPDM, FKM, and FEP

Surface Finish

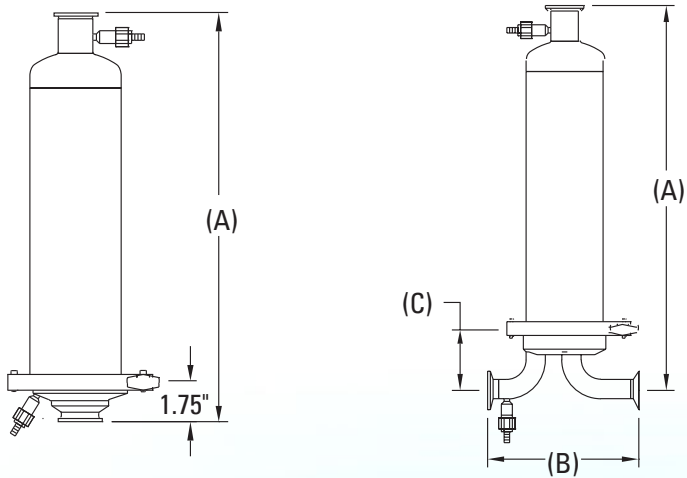
Wetted Surfaces	20Ra µin. Max (0.51 µm) Mechanical polished and nitric passivated 20Ra µin. Max (0.51 µm) Mechanical polished and electropolished 15Ra µin. Max (0.51 µm) Mechanical polished and electropolished
Exterior Surfaces	32Ra µin. Max (0.8 µm) Mechanical polished and electropolished



Custom Options Available

- Canadian registration available (CRN)
- Singapore MOM available
- ASME Section VIII U and UM stamp available
- Process contact material of construction is 316L (other alloys available upon request)
- Steam/Electric heat jackets available

Dimensions



Single Round Housing Dimensions

Cartridge Size	Filter Style	T-Style					In-Line		
		Height (A)	Width (B)	Base (C)	Housing Weight (Dry)	Internal Volume	Height (A)	Housing Weight (Dry)	Internal Volume
5"	2-222 O-Ring, Spring	12.89"	7.43"	3.06"	9.5 lbs.	1.46 liters	11.58"	7.8 lbs.	1.46 liters
	2-226 O-Ring, Wire	12.89"	7.80"	2.81"	9.1 lbs.	1.46 liters	11.58"	7.5 lbs.	1.46 liters
	2-226 O-Ring, Recess	12.89"	7.80"	3.06"	8.8 lbs.	1.46 liters	11.58"	6.9 lbs.	1.46 liters
10"	2-222 O-Ring, Spring	17.64"	7.43"	3.06"	10.9 lbs.	2.37 liters	16.33"	9.4 lbs.	2.37 liters
	2-226 O-Ring, Wire	17.64"	7.80"	2.81"	10.5 lbs.	2.37 liters	16.33"	8.9 lbs.	2.37 liters
	2-226 O-Ring, Recess	17.64"	7.80"	3.06"	10.2 lbs.	2.37 liters	16.33"	8.3 lbs.	2.37 liters
20"	2-222 O-Ring, Spring	27.64"	7.43"	3.06"	13.8 lbs.	4.26 liters	26.33"	12.3 lbs.	4.26 liters
	2-226 O-Ring, Wire	27.64"	7.80"	2.81"	13.4 lbs.	4.26 liters	26.33"	11.8 lbs.	4.26 liters
	2-226 O-Ring, Recess	27.64"	7.80"	3.06"	13.1 lbs.	4.26 liters	26.33"	11.2 lbs.	4.26 liters
30"	2-222 O-Ring, Spring	37.64"	7.43"	3.06"	16.7 lbs.	6.16 liters	36.33"	15.2 lbs.	6.16 liters
	2-226 O-Ring, Wire	37.64"	7.80"	2.81"	16.3 lbs.	6.16 liters	36.33"	14.7 lbs.	6.16 liters
	2-226 O-Ring, Recess	37.64"	7.80"	3.06"	16.0 lbs.	6.16 liters	36.33"	14.1 lbs.	6.16 liters
40"	2-222 O-Ring, Spring	46.14"	7.43"	3.06"	19.1 lbs.	7.75 liters	44.83"	17.6 lbs.	7.75 liters
	2-226 O-Ring, Wire	46.14"	7.80"	2.81"	18.8 lbs.	7.75 liters	44.83"	17.1 lbs.	7.75 liters
	2-226 O-Ring, Recess	46.14"	7.80"	3.06"	18.4 lbs.	7.75 liters	44.83"	16.5 lbs.	7.75 liters

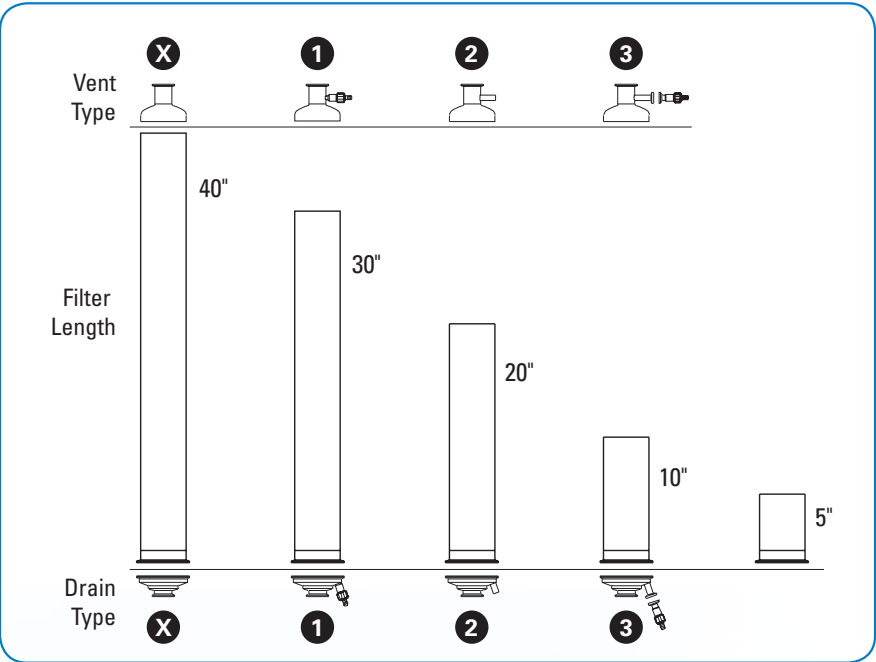


Universal Series® Single Round In-Line Standard Configurations\*

Universal Series® Single Round T-Style Standard Configurations\*

We offer more than 100,000 potential configurations with our many options. Use the tables below to select common options and determine a part number, which may be used to order common configurations. Please inquire regarding all others.

Universal In-Line Configurations

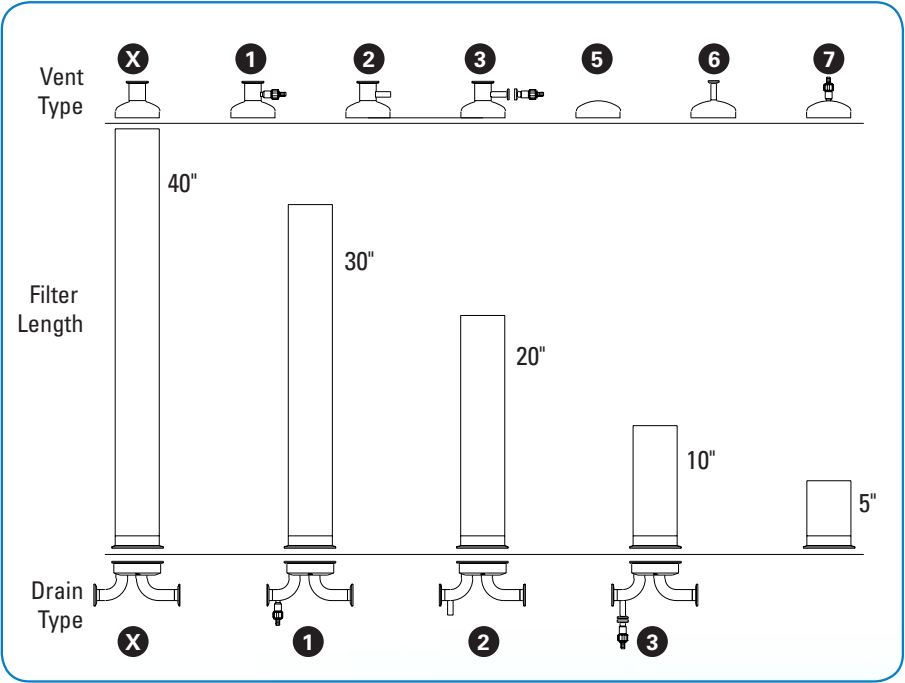


Ordering Information

Universal Series Single Round Filter Housings										
Style	Type	No. of Cartridges	Filter Length	Filter Connection	Internal Finish	Housing Connection	Vent Type	Drain Type	Gasket Material	ASME Code
US = Universal Sanitary	I= In Line	01 = 1 Cartridge	5 = 5" Long	S = 2-222 O-Ring/Spring	1 = 20 Ra/EP	1 = 1" Ferrule	X = None (Std)	X = None (Std)	E = EPDM	X = N/A (Std)
			1 = 10" Long	W = 2-226 O-Ring/Wire	2 = 20 Ra/MP	X = 1.50" Ferrule	1 = Plunger Valve	1 = Plunger Valve	S = Platinum Cured Silicone	M = ASME "UM" Stamped
			2 = 20" Long	R = 2-226 O-Ring/Recess	3 = 15 Ra/EP	2 = 2" Ferrule	2 = 1.50" Butt Weld	2 = 0.50" Butt Weld	V = FKM	U = ASME "U" Stamped
			3 = 30" Long			4 = 3/4" Ferrule	3 = 1.50' Ferrule	3 = 0.50" Ferrule*	T = PTFE Enveloped	
			4 = 40" Long			5 = 1/2" Ferrule	4 = 0.75" Ferrule			
						6 = 1" Butt Weld				
						7 = 2" Butt Weld				
US	I	01	2	R	3	2	X	1	T	X

Sample Part Number **US-I-01-2-R32-X1T-X**  
Universal Sanitary, In-Line, 1 Cartridge, 20" Long , 2-226 O-Ring/Recess, 15Ra/EP, 2" Ferrule, Vent Type -None (Std.), Drain type - Plunger Valve, Gasket Material - FEP Enveloped, ASME Code -N/A (Std)

Universal T-Style Configurations



Ordering Information

Universal Series Single Round Filter Housings											
Style	Type	No. of Cartridges	Filter Length	Filter Connection	Internal Finish	Housing Connection	Vent Type	Drain Type	Gasket Material	Legs	ASME Code
US = Universal Sanitary	T= T-Style	01 = 1 Cartridge	5 = 5" Long	S = 2-222 O-Ring/Spring	1 = 20 Ra/EP	1 = 1" Ferrule	X = 1.50" GP (no vent)	X = None (Std)	E = EPDM	N = No (Std)	X = N/A (Std)
			1 = 10" Long	W = 2-226 O-Ring/Wire	2 = 20 Ra/MP	X = 1.50" Ferrule	1 = 1.50" GP w/Plunger Valve	1 = Plunger Valve*	S = Platinum Cured Silicone	Y = Qty 3 Threaded Legs	M = ASME "UM" Stamped
			2 = 20" Long	R = 2-226 O-Ring/Recess	3 = 15 Ra/EP	2 = 2" Ferrule	2 = 1.50" GP w/0.50" Butt Weld	2 = 0.50" Butt Weld*	V = FKM		U = ASME "U" Stamped
			3 = 30" Long			4 = 3/4" Ferrule	3 = 1.50" GP w/0.50" Ferrule	3 = 0.50" Ferrule*	T = PTFE		
			4 = 40" Long			5 = 1/2" Ferrule	5 = No GP				
						6 = 1" Butt Weld	6 = 0.50" GP				
						7 = 2" Butt Weld	7 = Plunger valve only	(*installed on Inlet Port)			
US	T	01	2	R	1	X	X	X	V	N	X

Sample Part Number: **US-T-01-2-R1X-XXV-NX**  
Universal Sanitary, T-Style, 1 Cartridge, 20" Long , 2-226 O-Ring/Recess, 20Ra/EP, 1.50" Ferrule, Vent Type -1.50" GP (no vent), Drain type – None (Std), Gasket Material - FKM, Legs – No(Std), ASME Code -N/A (Std)

Each filter housing undergoes testing and includes the industry’s best turn over package (TOP)

Standard Documentation

- Record drawings, bill of materials
- Material test reports & elastomer certifications
- Certificate of pressure test & procedure
- Certificate of cleaning
- Certificate of nitric passivation & procedure
- Certificate of surface finish & procedure
- Spare parts list
- Weld log
- Welder qualification records
- Welding procedure specifications
- Procedure qualifications records
- Installation & operation manual
- Final inspection report

Other Documentation

- Electropolish certification
- ASME data report
- ASME code calculations
- PMI certification
- Radiography certifications
- Nitrogen blow dry certificate & procedure

Codes & Standards

- ASME
- CRN
- Bioprocessing Equipment Standards Committee (BPE)
- GMP
- 3-A
- Ministry of Manpower (MOM)
- SEP
- The National Board of Boiler and Pressure Vessel Inspectors R stamp

Complete Certification



CE



UM ASME VIII Stamp

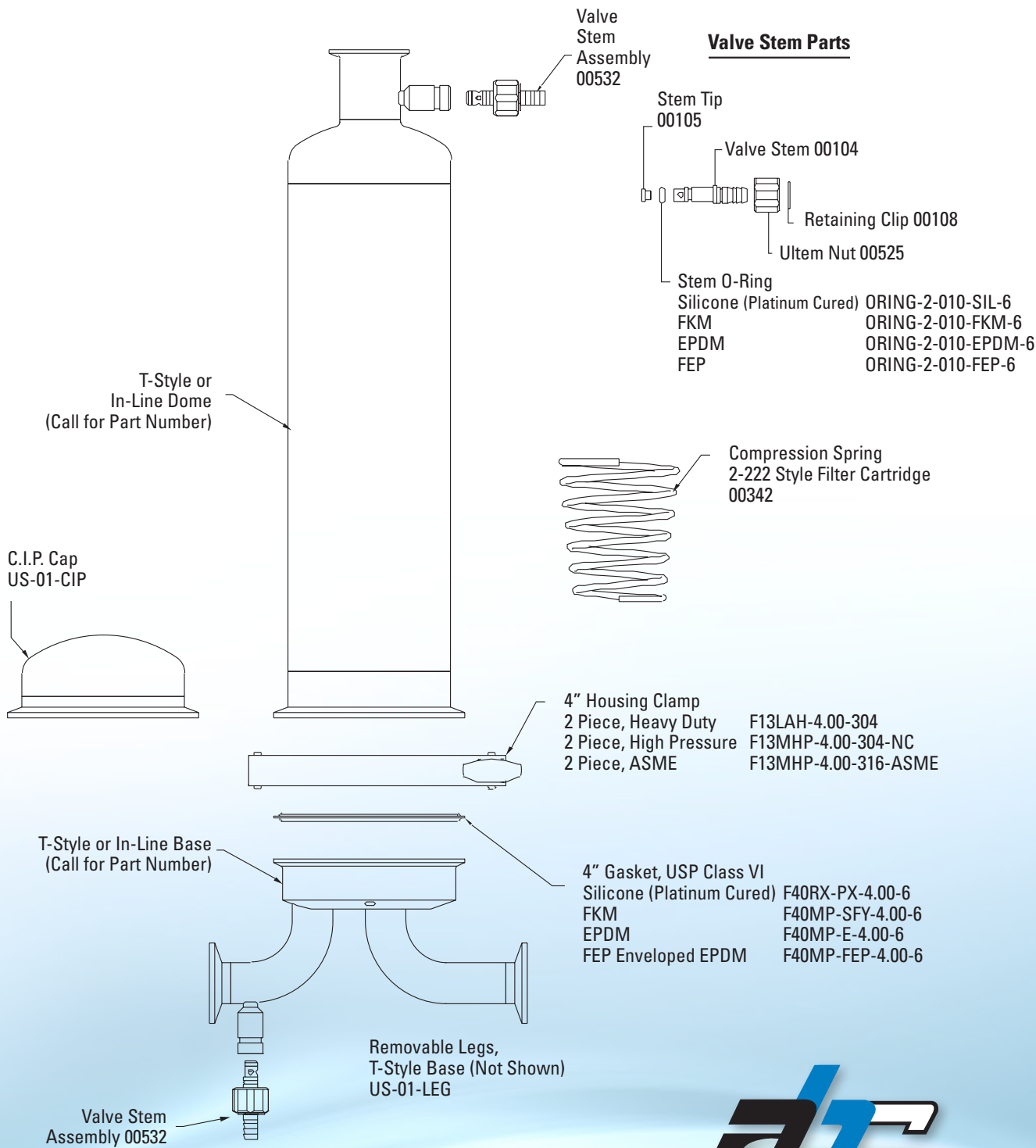


U ASME VIII Stamp



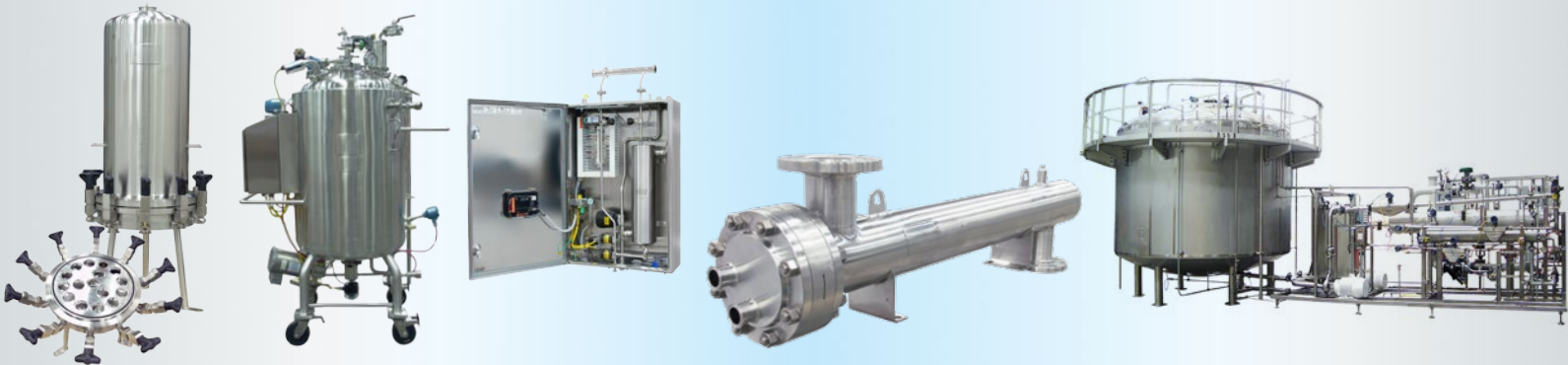
Chinese License

Spare Parts





Allegheny Bradford offers a full range of products:



● ABC Global

★ ABC Facility

**Allegheny Bradford Corporation**



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