

# Beaver Small-Bore Class 800 Y-Strainer

A strainer used in higher pressure applications to mechanically remove unwanted solid particles from flowing media in small pipelines.

S31



## Beaver S31 Small-Bore Class 800 Y-Strainer



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The Beaver S31 Y-Strainer is a Class 800 strainer designed for small bores from 15–50mm. It contains a stainless steel filter that captures and drains solids from the flowing liquid, steam, or gas. The mesh filter has a standard aperture size of 1mm, with other sizes available on request.

This Beaver Y-strainer has a forged carbon steel body that can stand up to high pressure and temperature and resist thermal and mechanical fatigue.

### KEY FEATURES

- Design conforms to ASME B16.34
- Available as threaded or socket weld
- Protects expensive or vulnerable downstream equipment from damage and contamination caused by sediments or debris.
- Well-fitted and aligned filter efficiently filters particles.
- Can be used in a horizontal or vertical position with the filter oriented downwards.
- Threaded drain port with bolted cover gives easy access to the mesh screen for cleaning.

Need technical advice? Our friendly specialists are here to help.

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### Small-Bore Class 800 Y-Strainer

Tables 1–2. S31 Specifications

Technical Specifications		Material Specifications	
Brand	Beaver	Body and bonnet	A105 F316L
Model	S31	Screen	304 stainless steel F316L
Size	DN15–50 (½–2")	SPW gasket	304 stainless steel and graphite
Pressure rating	ASME Class 800	Name plate	Aluminium
End connections	NPT BSP SW	Rivet	H26
		Bolt	A193 B7

Diagram. S31 Parts

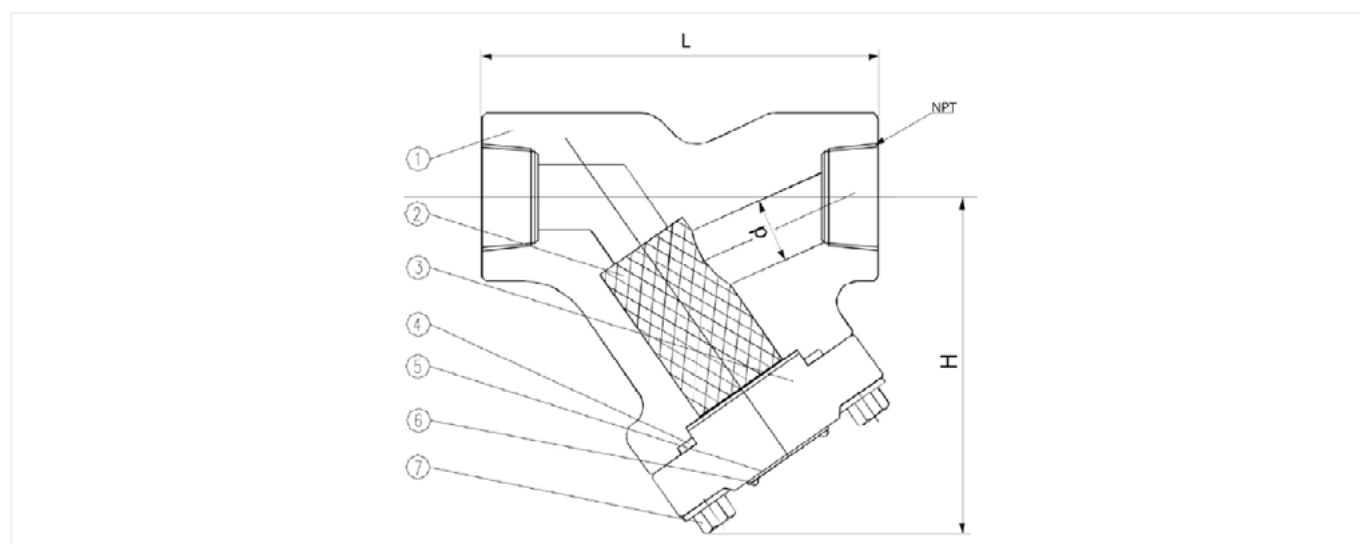


Table 3. S31 Dimensions

Product Dimensions (mm)					
DN	L	H	D	A	Weight (kg)
15	65	37	16	12	0.21
20	80	47	20	23	0.38
25	90	50	25	31	0.67
32	106	56	32	25	0.7
40	120	62	38	43	1.1
50	140	70	51	52	1.8
40	38	26.5	17	90.5	165
50	50	26.5	17	98.5	165
65	65	41.5	29.5	130.5	215
80	80	41.5	29.5	142.5	215
100	100	47.5	36.5	173.5	325



# We're here to help

We know it's important for you to talk to someone who knows their stuff. So if you have technical questions or need help choosing the right products, talk to our team. We'll walk you through our proven problem solving process.

## 1. Tell us what you need.

Tell us about your project. What do you want to achieve? What problems do you need to overcome? Let's work back from there.

## 2. Choose the right solution.

Weigh up the options. We'll do the analysis, discuss the options with you, and make a recommendation—the choice we'd make in your shoes.

## 3. Get the job done.

Complete your project, with the right products, on time and to spec. We've got your back all the way, with support during installation and commissioning.

Tap into our expertise and talk to our friendly, expert team.

# B | E | A | V | E | R

To request a quote or explore our product range, visit [beaverprocess.com.au](https://beaverprocess.com.au)

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