

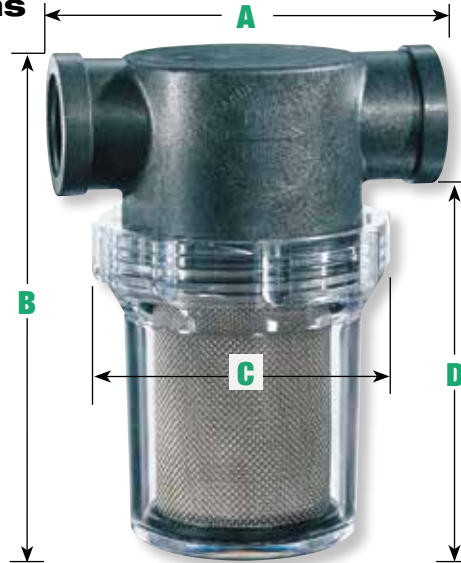
## Cole-Parmer® Low-Cost In-Line Strainer Systems

Easily modify to suit your application

**Low-Profile Strainers** are ideal for small-scale low-volume filtration. Use in research applications, cleaning equipment, and laboratory equipment.

**Intermediate Strainers** feature a large filtering area in a compact size. Perfect for commercial and industrial pumps and agricultural and marine applications.

**Large Strainers** are primarily used in industrial and commercial industries. They feature increased flow rate and large filtration area.



This large system includes: strainer 29595-17, mesh 29595-57, strainer bottom 29595-79, and gasket 29595-89

### 1. Polypropylene Strainer Tops

Connection type	Dimensions†				Filter area	Catalog number	Price
	A	B	C	D			
<b>Low-profile strainers</b>							
1/8" NPT(F)	3.00"	2.67"	1.89"	2.00"	3.95 in <sup>2</sup>	<a href="#">GH-29595-01</a>	
1/4" NPT(F)	(7.6 cm)	(6.8 cm)	(4.8 cm)	(5.1 cm)	(25.5 cm <sup>2</sup> )	<a href="#">GH-29595-03</a>	
3/8" NPT(F)						<a href="#">GH-29595-05</a>	
1/4" hose barb	3.00"	2.67"	1.89"	2.00"	3.95 in <sup>2</sup>	<a href="#">GH-29595-07</a>	
1/4" John Guest® quick-disconnect	(7.6 cm)	(6.8 cm)	(4.8 cm)	(5.1 cm)	(25.5 cm <sup>2</sup> )	<a href="#">GH-29595-09</a>	
3/8" John Guest quick-disconnect						<a href="#">GH-29595-11</a>	
<b>Intermediate strainers</b>							
1/2" NPT(F)	3.58"	5.38"	2.90"	4.70"	17.33 in <sup>2</sup>	<a href="#">GH-29595-13</a>	
3/4" NPT(F)	(9.1 cm)	(13.7 cm)	(7.4 cm)	(11.9 cm)	(111.8 cm <sup>2</sup> )	<a href="#">GH-29595-15</a>	
<b>Large strainer</b>							
1" NPT(F)	4.95"	6.40"	4.00"	5.55"	29.73 in <sup>2</sup>	<a href="#">GH-29595-17</a>	
	(12.6 cm)	(16.3 cm)	(10.2 cm)	(14.1 cm)	(191.8 cm <sup>2</sup> )		

†Dimensions are for reference only.

### 2. 304 SS Strainer Mesh

Mesh size	Micron nominal	Catalog number	Price
<b>Low-profile mesh</b>			
20 x 20	915	<a href="#">GH-29595-31</a>	
40 x 36	480	<a href="#">GH-29595-33</a>	
80 x 80	178	<a href="#">GH-29595-35</a>	
50 x 250	60	<a href="#">GH-29595-39</a>	
165 x 800	15	<a href="#">GH-29595-41</a>	
<b>Intermediate mesh</b>			
20 x 20	915	<a href="#">GH-29595-43</a>	
40 x 35	480	<a href="#">GH-29595-45</a>	
80 x 80	178	<a href="#">GH-29595-47</a>	
<b>Large mesh for large strainer only</b>			
20 x 20	915	<a href="#">GH-29595-49</a>	
40 x 36	480	<a href="#">GH-29595-51</a>	
80 x 80	178	<a href="#">GH-29595-53</a>	
24 x 110	80	<a href="#">GH-29595-55</a>	
50 x 250	60	<a href="#">GH-29595-57</a>	

### 3. Strainer Bottoms

Description	Black polypropylene		Clear nylon	
	Cat. no.	Price	Cat. no.	Price
Low-profile strainer bottoms	<a href="#">GH-29595-61</a>		<a href="#">GH-29595-63</a>	
Intermediate strainer bottoms	<a href="#">GH-29595-67</a>		<a href="#">GH-29595-71</a>	
Large strainer bottoms	<a href="#">GH-29595-73</a>		<a href="#">GH-29595-79</a>	

### 4. Gaskets seal strainer housing top to strainer housing bottom

Description	EPDM		Viton®	
	Catalog number	Price	Catalog number	Price
Low-profile strainer gasket	<a href="#">GH-29595-81</a>		<a href="#">GH-29595-83</a>	
Intermediate strainer gasket	<a href="#">GH-29595-85</a>		<a href="#">GH-29595-87</a>	
Large strainer gaskets	<a href="#">GH-29595-89</a>		<a href="#">GH-29595-91</a>	

## Teky's Tips

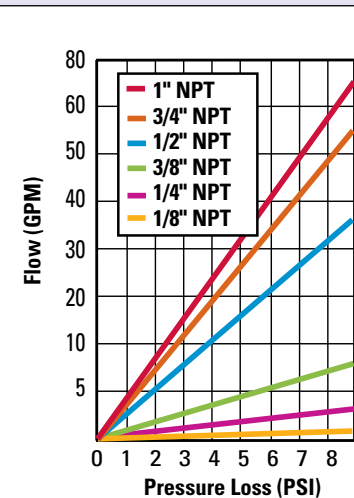


Easily build your own strainer system



Select one of each of the following from the same class.

1. Use the flow chart below to pick the correct **strainer top** for your application.
2. Pick the **strainer mesh** based on your mesh size requirements
3. Choose the appropriate **strainer bottom**, either in polypropylene or nylon.
4. Pick the appropriate **gasket**, either EPDM or Viton®.



**Note 1:** Graph outlines the approximate pressure loss for a given flow.

**Note 2:** All in-line strainer systems are rated up to 150 psi at 70°F and 100 psi at 125°F.

**Note 3:** Systems are not intended for applications where pressure spikes in excess of maximum pressure ratings can be expected.