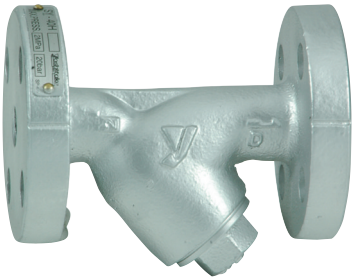
# SY-40EN・40H

## Features

1. The SY-40EN strainer can be replaced easily from existing strainer because it complies with face-to-face dimensions of the EN standard.
2. High-flow-rate marine type provided with the largest possible filtration area as a contermeasure against the decreasing in the flow rate caused by clogging.
3. 65A or more (in nominal size) is designed as compact as possible and reduced in weight, making plumbing easy.

## Specifications

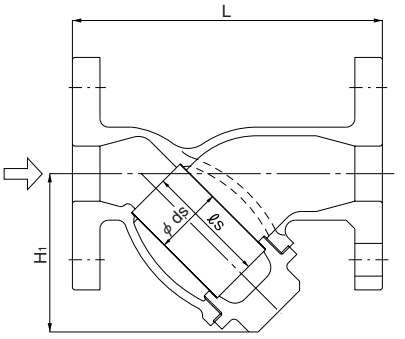
| Model | | SY-40EN | SY-40H |
|---|---|---|---|
| Application | | Steam, Air, Cold and hot water, Other non-dangerous fluids | |
| Maximum pressure | | 2.0 MPa | |
| Maximum temperature | | 220˚C | |
| Material | Body | Ductile cast iron | |
| | Screen | Stainless steel | |
| Screen | Perforation | $\phi$ 2.5-7.21 holes/cm$^2$ | |
| | Mesh | Standard 80 mesh | |
| Connection | | EN1092 PN25 | JIS 20K FF flanged<br>ASME Class 300 flanged |



・Available with 20 to 100 mesh screen (perforation: $\phi$ 2.5-7.21 holes/cm$^2$) or only with perforration (15A to 80A: $\phi$ 1.3-16.2 holes/cm$^2$, 100A or more: $\phi$ 1.5-11.2 holes/cm$^2$).
・Available with a brass plug (the standard is S15C or FCMB310).

## Dimensions (mm) and Weights (kg)

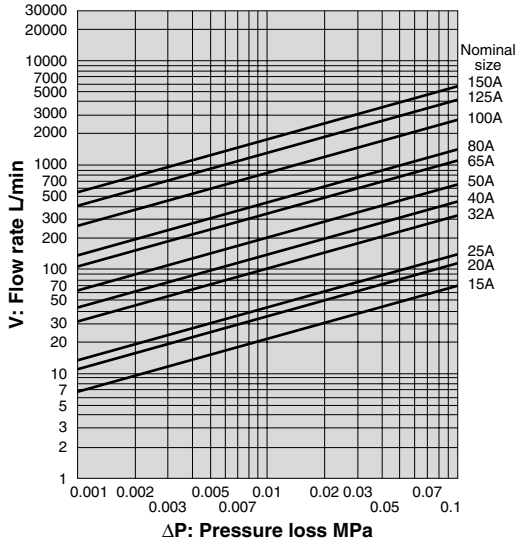
| Nominal size | L | | $H_1$ | ds | $\ell$s | Plug | Weight | |
|---|---|---|---|---|---|---|---|---|
| | SY-40EN | SY-40H | | | | | SY-40EN | SY-40H |
| 15A | 130 | 130 (—) | 61 | 22 | 40 | — | 2.0 | 1.9 (—) |
| 20A | 150 | 140 (—) | 75 | 27 | 56 | — | 3.0 | 2.5 (—) |
| 25A | 160 | 160 (160) | 88 | 34 | 66 | — | 4.5 | 4.0 (4.5) |
| 32A | 180 | 175 (180) | 104 | 43 | 76 | — | 5.5 | 5.2 (6.0) |
| 40A | 200 | 190 (200) | 115 | 50 | 85 | R 1/2 | 8.0 | 6.7 (8.5) |
| 50A | 230 | 233 (230) | 140 | 61 | 107 | R 1/2 | 10.5 | 10.2 (11.0) |
| 65A | 290 | 290 (302) | 167 | 73 | 125 | R 1/2 | 14.0 | 15.0 (15.0) |
| 80A | 310 | 316 (330) | 190 | 88 | 130 | R 1/2 | 18.0 | 19.0 (20.0) |
| 100A | 350 | 360 (370) | 225 | 108 | 180 | R 3/4 | 27.0 | 28.0 (30.0) |
| 125A | 400 | 415 (440) | 263 | 136 | 200 | R 3/4 | 40.0 | 42.0 (43.0) |
| 150A | 480 | 495 (520) | 315 | 160 | 250 | R 3/4 | 66.0 | 68.0 (71.0) |




The shape of 65A or more is slightly different.

・The values in parentheses are the dimensions and weights of ASME Class 300 flanged.

## Pressure Loss Chart (For Water)




● Screen: Perforation = $\phi$ 2.5-7.21 holes/cm$^2$, Mesh = 80 mesh